Brine/water heat pumps					**6.1**
Vitocal 200-G	Up to 65 °C	B0/W35	5.8 to	17.4 kW	
		W10/W35	7.5 to	22.6 kW	
Vitocal 300-G	Up to 65 °C	B0/W35	1.7 to	15.9 kW	
		W10/W35	5.6 to	10.0 kW	
Brine/water heat pumps, single and two-stage					**6.2**
Vitocal 300-G	Up to 60 °C	B0/W35	21.2 to	85.6 kW	
		W10/W35	28.1 to	117.8 kW	
Compact brine/water heat pumps					**6.3**
Vitocal 222-G	Up to 65 °C	B0/W35	5.8 to	10.4 kW	
		W10/W35	7.5 to	13.4 kW	
Vitocal 333-G	Up to 65 °C	B0/W35	1.7 to	11.4 kW	
		W10/W35	5.6 to	7.0 kW	
Air source heat pumps, split version, Vitotronic					
Vitocal 100-S	Up to 55 °C	A7/W35	4.0 to	16.0 kW	**6.5**
Vitocal 111-S	Up to 55 °C	A7/W35	4.0 to	16.0 kW	**6.6**
Vitocal 200-S	Up to 60 °C	A7/W35	2.4 to	14.7 kW	**6.7**
Vitocal 222-S	Up to 60 °C	A7/W35	2.4 to	14.7 kW	**6.8**
Control accessories for heat pumps with Vitotronic					**6.9**
Air source heat pumps, split version, One Base					
Vitocal 200-S	Up to 60 °C	A7/W35	2.6 to	10.4 kW	**6.10**
Vitocal 222-S	Up to 60 °C	A7/W35	2.6 to	10.4 kW	**6.11**
Vitocal 250-SH	Up to 60 °C	A7/W35	2.6 to	10.4 kW	**6.12**
Air source heat pumps, monoblock version, One Base					
Vitocal 150-A	Up to 70 °C	A7/W35	2.6 to	14.9 kW	**6.13**
Vitocal 151-A	Up to 70 °C	A7/W35	2.6 to	14.9 kW	**6.14**
Vitocal 250-A	Up to 70 °C	A7/W35	2.1 to	13.4 kW	**6.15**
Vitocal 252-A	Up to 70 °C	A7/W35	2.1 to	13.4 kW	**6.16**
Vitocal 250-AH	Up to 60 °C	A7/W35	2.1 to	13.4 kW	**6.17**

► *For allocation of DHW cylinders, see the technical guides for the respective heat pump.*

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Viessmann's integrated range of solutions

Digital services	ViCare ViGuide
Connectivity and platforms	Vitoconnect
Products & systems	**VITOCAL 100-S** **VITOCAL 111-S** **VITOCAL 200-S** **VITOCAL 222-S** **VITOCAL 150-A** **VITOCAL 151-A** **VITOCAL 250-A** **VITOCAL 252-A** **VITOCAL 250-AH** **VITOCAL 250-SH**

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Heat Pump KEYMARK certified

Vitocal 200-G/300-G

Up to 65 °C flow temperature

Heat pumps with electric drive for room heating and DHW heating in mono mode or dual mode heating systems

■ **Vitocal 200-G:** Refrigerant circuit with fixed heating output
Type BWC 201.B06 to 201.B17: 400 V~
■ **Vitocal 300-G:** Refrigerant circuit with modulating heating output
Type BWC 301.C06 to 301.C16: 400 V~

Permissible operating pressure:
Heating water 3 bar (0.3 MPa)

Colour: Vitopearlwhite

- Low running costs thanks to high SCOP to EN 14825 for average climatic conditions and low temperature applications (W35):
  - Vitocal 200-G: up to 5.3
  - Vitocal 300-G: up to 5.6
- Especially quiet thanks to new sound insulation concept (B0/W55):
  - Vitocal 200-G: 47 dB(A)
  - Vitocal 300-G: 30 to 47 dB(A)
- Mono mode operation for room heating and DHW heating
- Vitocal 200-G: Low running costs with high efficiency due to RCD (refrigerant cycle diagnostic) system with electronic expansion valve (EEV)
- Vitocal 300-G: Very low running costs due to refrigerant circuit with output-dependent control and innovative inverter technology for the highest seasonal coefficient of performance (SCOP)
- Integral instantaneous heating water heater, e.g. for screed drying
- Easy handling as the heat pump module can be quickly removed thanks to push-fit connections
- Optimised utilisation of self-generated power from photovoltaic systems
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps

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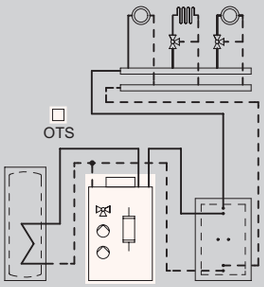
VITOCAL 200-G/300-G

Brine/water heat pumps
Vitocal 200-G, type BWC 201.B

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 or 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature control ■ Menu-guided operation ■ Integral diagnostic system ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (accessories required) ■ Control of compatible Vitovent ventilation units ■ Natural cooling control function (accessories required) ■ Swimming pool heating ■ Integral energy statement and checking of the seasonal performance factor ■ Optimisation of self-consumption Extensions are required for every heating circuit with mixer, additional oil/gas boiler, cooling control function and swimming pool heating (see Accessories).

Please note:
The heat pumps must be commissioned by a specialist heat pump contractor certified by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the control unit over the internet.
Vitoconnect 100 (accessories) required; see Register 11.

Standard delivery:

- Brine/water heat pump in a compact casing
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency brine circuit pump (primary circuit)
- Integral high efficiency heating circuit pump (secondary circuit)
- Integral instantaneous heating water heater
- Safety assembly for the heating circuit
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Electronic starting current limiter and integral phase monitor
- Connection pipes for flow and return of the brine circuit (primary circuit), heating circuit and DHW flow (secondary circuit) for connection at the top.

Type Volt	Rated heating output (kW) at operating point B0/W35, 5 K spread (to EN 14511)					MG WT
	5.8	7.5	10.4	13.2	17.4	
BWC 201.B06 **400**	Z019166 **7.044,–** A++	–	–	–	–	Part no. **Euro** Energy
BWC 201.B08 **400**	–	Z019167 **7.640,–** A++	–	–	–	Part no. **Euro** Energy
BWC 201.B10 **400**	–	–	Z019168 **8.173,–** A+++	–	–	Part no. **Euro** Energy
BWC 201.B13 **400**	–	–	–	Z019169 **8.947,–** A++	–	Part no. **Euro** Energy
BWC 201.B17 **400**	–	–	–	–	Z019170 **9.783,–** A++	Part no. **Euro** Energy
Specification						
Coefficient of performance (COP)	4.6	4.6	4.8	4.6	4.5	
Seasonal coefficient of performance (SCOP)	4.9	5.2	5.3	4.9	4.8	
Flow temperature	65	65	65	65	65	°C
Length	680	680	680	680	680	mm
Width	600	600	600	600	600	mm
Height	975	975	975	975	975	mm
Weight	145	148	152	158	165	kg
Energy efficiency ηs at W35	186	201	204	190	185	%
Energy efficiency ηs at W55	134	143	150	141	140	%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	8	11	12	16	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4	4,2	4,3	4,3	4,1	

Min./max. output range at operating point B0/W35

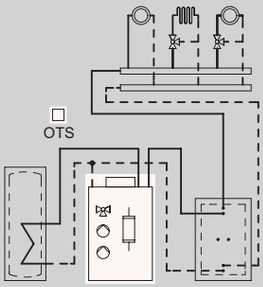
Coefficient of performance COP:
At operating point B0/W35 to EN 14511 (05/2018) at rated heating output

Seasonal coefficient of performance SCOP:
Under average climatic conditions for low temperature applications (W35) to EN 14825

Energy efficiency ηs:
Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 200-G/300-G

Brine/water heat pumps
Vitocal 300-G, type BWC 301.C

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 or 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature control ■ Menu-guided operation ■ Integral diagnostic system ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Control of compatible Vitovent ventilation units ■ Natural cooling control function (accessories required) ■ Swimming pool heating ■ Integral energy statement and checking of the seasonal performance factor ■ Optimisation of self-consumption Extensions are required for every heating circuit with mixer, additional oil/gas boiler, cooling control function and swimming pool heating (see Accessories).

Please note:
The heat pumps must be commissioned by a specialist heat pump contractor certified by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the control unit over the internet.
Vitoconnect 100 (accessories) required; see Register 11.

6.1

Standard delivery:

- Brine/water heat pump in a compact casing
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency brine circuit pump (primary circuit)
- Integral high efficiency heating circuit pump (secondary circuit)
- Integral instantaneous heating water heater
- Safety assembly for the heating circuit
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Integral phase monitor
- Connection pipes for flow and return of the brine circuit (primary circuit), heating circuit and DHW flow (secondary circuit) for connection at the top.

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Type Volt	Rated heating output (kW) at operating point B0/W35, 5 K spread (to EN 14511) 4.3	5.3	7.4	MG WT
BWC 301.C06 **400**	Z019443 **9.150,–** A++	–	–	Part no. **Euro** Energy
BWC 301.C12 **400**	–	Z019444 **10.457,–** A+++	–	Part no. **Euro** Energy
BWC 301.C16 **400**	–	–	Z019533 **11.764,–** A+++	Part no. **Euro** Energy

Specification				
Min./max. output range	1.7 - 8.6	2.4 - 11.4	3.8 - 15.9	kW
Coefficient of performance (COP)	4.7	4.8	5.0	
Seasonal coefficient of performance (SCOP)	5.3	5.3	5.6	
Flow temperature	65	65	65	°C
Length	680	680	680	mm
Width	600	600	975	mm
Height	975	975	600	mm
Weight	149	154	163	kg
Energy efficiency ηs at W35	204	205	217	%
Energy efficiency ηs at W55	141	151	159	%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	12	15	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,1	4,57	4,7	

Min./max. output range at operating point B0/W35

Coefficient of performance COP:
At operating point B0/W35 to EN 14511 (05/2018) at rated heating output

Seasonal coefficient of performance SCOP:
Under average climatic conditions for low temperature applications (W35) to EN 14825

Energy efficiency ηs:
Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Conversion to a water/water heat pump

Water/water heat pump conversion kits
Components:
- Flow switch with set switching point
- Frost stat

Specification when used as water/water heat pump
(Operating point W10/W35, 5 K spread according to EN 14511)

Vitocal 200-G

Type	BWC 201.B06	BWC 201.B08	BWC 201.B10	BWC 201.B13	BWC 201.B17	
Rated heating output	7.1	9.2	12.4	15.7	20.3	kW
COP	5.7	6.2	6.4	5.7	5.1	
Water/water heat pump conversion kit	7441719 **815,–**	7441720 **815,–**	7441721 **815,–**	7441722 **815,–**	7441723 **815,–**	Part no. **Euro MG WX**

Vitocal 300-G

Type	BWC 301.C06	BWC 301.C12	BWC 301.C16			
Rated heating output	5.3	6.7	9			kW
COP	6.4	6.4	6.6			
Water/water heat pump conversion kit	7441720 **815,–**	7441722 **815,–**	7441723 **815,–**			Part no. **Euro MG WX**

Conversion to a water/water heat pump

Water/water heat pump conversion kits
Components:
- Flow switch with set switching point.
- Frost stat.

Heat pumps with 2 Vitocal 200-G

Conversion kit selection table
For selecting the conversion kit for different output combinations of lead and slave heat pump (LON cascade)

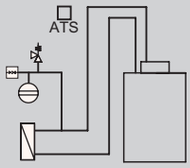
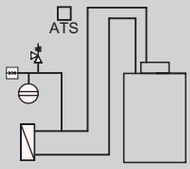
Output combination Lead heat pump and slave heat pump	**Flow switch switching point in litres/h**							
	1500	2050	2500	3000	3250	3700	4200	5200
Type BWC 201.B06 and 201.B06	x							
Type BWC 201.B06 and 201.B08		x						
Type BWC 201.B06 and 201.B10			x					
Type BWC 201.B06 and 201.B13			x					
Type BWC 201.B06 and 201.B17					x			
Type BWC 201.B08 and 201.B08		x						
Type BWC 201.B08 and 201.B10			x					
Type BWC 201.B08 and 201.B13				x				
Type BWC 201.B08 and 201.B17						x		
Type BWC 201.B10 and 201.B10				x				
Type BWC 201.B10 and 201.B13					x			
Type BWC 201.B10 and 201.B17							x	
Type BWC 201.B13 and 201.B13						x		
Type BWC 201.B13 and 201.B17							x	
Type BWC 201.B17 and 201.B17								x
Water/water heat pump conversion kit	7441721 **815,–**	7441722 **815,–**	7441723 **815,–**	7441726 **1.006,–**	7441724 **1.006,–**	7441727 **1.006,–**	7441725 **1.040,–**	7441728 **1.006,–**

Part no.
Euro
MG WX

6.1

Conversion to Vitocal 200-G water/water heat pump

Conversion kits for water/water application

Type		BWC 201.B06	BWC 201.B08	BWC 201.B10	BWC 201.B13	BWC 201.B17	MG WX
"Groundwater safety" conversion kit With a **threaded** separating heat exchanger for maintenance and cleaning: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Separating heat exchanger (threaded, reusable). ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). Standard delivery		ZK00303 **4.695,–**	ZK00305 **4.921,–**	ZK00307 **5.376,–**	ZK00309 **5.602,–**	ZK00311 **6.248,–**	Part no. **Euro**
"Groundwater" conversion kit With **brazed** separating heat exchanger: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Vitotrans 100 separating heat exchanger. ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). **Please note:** Replace contaminated or faulty Vitotrans 100 plate heat exchangers with new Vitotrans 100. Standard delivery		ZK00304 **3.305,–**	ZK00306 **3.305,–**	ZK00308 **3.305,–**	ZK00310 **3.798,–**	ZK00312 **4.559,–**	Part no. **Euro**

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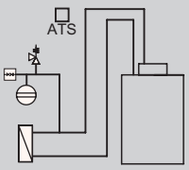
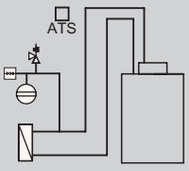
Conversion to Vitocal 300-G water/water heat pump

Conversion kits for water/water application

Type	BWC 301.C06	BWC 301.C12	BWC 301.C16	MG WX
"Groundwater safety" conversion kit With a **threaded** separating heat exchanger for maintenance and cleaning: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Separating heat exchanger (threaded, reusable). ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres).  Standard delivery	ZK00305 **4.921,–**	ZK00309 **5.602,–**	ZK00311 **6.248,–**	Part no. **Euro**
"Groundwater" conversion kit With **brazed** separating heat exchanger: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Vitotrans 100 separating heat exchanger. ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres).  **Please note:** Replace contaminated or faulty Vitotrans 100 plate heat exchangers with new Vitotrans 100. Standard delivery	ZK00306 **3.305,–**	ZK00310 **3.798,–**	ZK00312 **4.559,–**	Part no. **Euro**

Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests

►For more information on system requirements and ViCare app registration and usage, see Register 1 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions

►For more information on system requirements and ViGuide registration and usage, see Register 11 and **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

►For more information on system requirements, registration and usage, see Register 11

Energy management systems

Viessmann Energy Management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. This enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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Accessories

Ventilation units

Vitovent mechanical ventilation systems
Mechanical ventilation systems with heat recovery in wall mounted, ceiling mounted or floorstanding designs.
- Max. flow rates up to 600 m³/h
- Max. residential units up to 7500 m²

Compatible Vitovent ventilation units can be operated via the heat pump control unit.

►For ventilation units and accessories, see Register 5

Brine circuit (primary circuit)

		MG WX
Hydraulic connection set Pre-assembled pipe assembly for connecting the heat pump from the back ■ Primary circuit flow and return (brine) ■ Secondary circuit flow and return (heating water) ■ DHW cylinder flow	ZK05344 **77,–**	Part no. **Euro**
Primary circuit hydraulic connection set Pre-assembled pipe assembly for connecting the heat pump to the primary circuit (brine) from the right or left ■ Primary circuit flow and return (brine) ■ Thermal insulation	ZK05345 **99,–**	Part no. **Euro**
Brine accessory pack up to 17 kW For connecting the heat pump to the primary circuit. Connection set, comprising: ■ Air separator with air vent valve ■ Safety valve 3 bar (0.3 MPa) ■ Pressure gauge ■ Drain & fill valve ■ 2 shut-off devices, male, 2 x 1¼ ■ EPP thermal insulation *Maximum flow rate in the primary circuit: 5000 l/h*	ZK05955 **584,–**	Part no. **Euro**

Accessories

		MG WO
Brine expansion vessel, 25 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248242 **134,–**	Part no. **Euro**
Brine expansion vessel, 40 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248243 **171,–**	Part no. **Euro**
Brine expansion vessel, 50 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248244 **258,–**	Part no. **Euro**

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Accessories		
Brine circuit (primary circuit)		MG WX
Pressure switch (Cannot be used in conjunction with potassium carbonate-based heat transfer medium)	9532663 **259,–**	Part no. **Euro**
Brine manifold for geothermal collectors/probes (plastic) ■ Flow and return connections G 1½ ■ Locking ring fittings with plug-in connection to the manifold ■ Each brine circuit can be shut off individually ■ 2 drain & fill valves ■ Installation accessories		
Brine manifold PE 25 × 2.3 for 2 brine circuits	ZK01285 **507,–**	Part no. **Euro**
Brine manifold PE 25 × 2.3 for 3 brine circuits	ZK01286 **650,–**	Part no. **Euro**
Brine manifold PE 25 × 2.3 for 4 brine circuits	ZK01287 **797,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 2 brine circuits	ZK01288 **525,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 3 brine circuits	ZK01289 **711,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 4 brine circuits	ZK01290 **879,–**	Part no. **Euro**
Heat transfer medium		
Heat transfer medium "Tyfocor GE" 30 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05914 **123,–**	Part no. **Euro** MG WX
Heat transfer medium "Tyfocor GE" 200 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05915 **735,–**	Part no. **Euro** MG WX
Filling station ■ Self-priming impeller pump, 30 litres/min ■ Dirt filter (intake side) ■ Hose, 0.5 m long (intake side) ■ Connection hose, 2.5 m long (2 pce) ■ Packing crate (can be used as flushing tank)	7188625 **761,–**	Part no. **Euro** MG N

Accessories

Heating circuit

		MG WX
Ball valve with filter (G 1¼) Ball valve with integral stainless steel water filter. For installation in the heating water return, to protect the condenser against contamination.	ZK03206 **90,–**	Part no. **Euro**
Overflow valve (R ¾) For ensuring the minimum flow rate	ZK05500 **64,–**	Part no. **Euro**

Vitocell 100-W

		MG WH
Vitocell 100-W, type SVPA For storing heating water in conjunction with heat pumps with up to 17 kW heating output. For ensuring the minimum system volume. ■ With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket ■ 46 litre capacity ■ Colour: Vitopearlwhite ■ Overflow valve 	Z017685 **716,–** B	Part no. **Euro** Energy

► *For heating water buffer cylinders, see Register 10.*

Miscellaneous

		MG N
Service box ■ Protective box for service folder with system documentation ■ Can be secured on the heat generator or on the wall ■ Colour: Vitosilver	7334502 **12,60**	Part no. **Euro**
Heat pump module transport aid To enable 2 people to easily remove and carry the refrigerant circuit module. 	ZK04568 **118,–**	Part no. **Euro** MG WX

Accessories

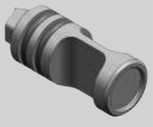
Heating circuit

Connection to heating circuit (nominal diameter)

	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor for heating circuit A1				
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo para 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo para 25/8	**–**		Z024688 **866,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M2				
Divicon heating circuit distributor with mixer (as a set) ■ Variable speed high efficiency circulation pump, fully wired (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.* ►See section "Heating circuit control unit extension".				
Divicon heating circuit distributor assembly with mixer-3 ■ With Grundfos Alpha 25/60 variable speed high efficiency circulation pump ■ With connecting cable (3,5 m long)	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M3				
Divicon heating circuit distributor with mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo para 25/6	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo para 25/8	**–**		Z024682 **1.586,–**	Part no. **Euro**

Divicon accessories

Connection to heating circuit (nominal diameter)

	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**

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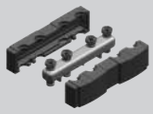
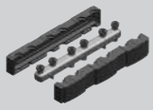
Accessories

Divicon accessories

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

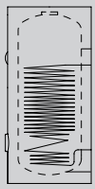
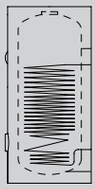
Please note:
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

Heating circuit control unit extension

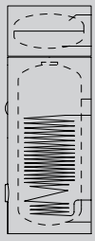
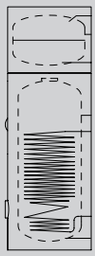
Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump *Required accessories for the heating circuit with mixer M2.*		7441998 **460,–**			Part no. **Euro**

DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header*		Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.*		Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Immersion heater Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	–	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z021939 **825,–**			Part no. **Euro**

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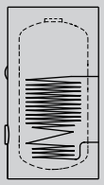
DHW heating accessories
With DHW cylinder

Vitocell 100-V

Cylinder capacity (litres)	390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite 	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater

Cylinder capacity (litres)	390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14°dH (medium hardness level up to 2.5 mol/m3) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z026669 **827,–**		Part no. **Euro**

Accessories

Cylinder capacity (litres)	390	500	MG W
Solar heat exchanger set For the connection of solar collectors to the Vitocell 100-V ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation	7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**		Part no. **Euro**

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Cooling accessories

Cooling

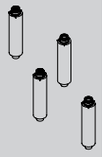
MG WX

NC-Box
Pre-assembled unit for implementing the natural cooling function with one heating/cooling circuit.
For the connection of underfloor heating systems, chilled ceilings or fan convectors, for example.
Max. cooling capacity depends on the heat source used.
Direct switching by the heat pump control unit (NC signal).
Modulation via the speed of the primary circulation pump of the heat pump.
Installation possible on the back of the heat pump or on the wall.
- 3-way diverter valves (heating/cooling)
- Plate heat exchanger
- Thermally insulated casing (EPP)

Length	520 mm
Height	422 mm
Width	265 mm
Weight	9 kg

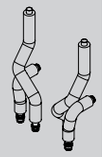
ZK05954
2.478,–
Part no.
Euro

Hydraulic connection set NC-Box, wall mounting
Pre-assembled pipe assembly for connection to the heat pump
- Primary circuit flow and return (brine)
- Secondary circuit flow and return (heating water)
- Thermal insulation



ZK06080
145,–
Part no.
Euro

NC-Box hydraulic connection set, installation on heat pump
Pre-assembled pipe assembly for connection to the rear of the heat pump
- Primary circuit flow and return (brine)
- Secondary circuit flow and return (heating water)
- Thermal insulation



ZK06081
151,–
Part no.
Euro

Contact humidistat 24 V
- For capturing the dew point
- To prevent condensation

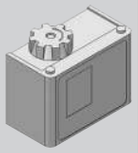
7181418
570,–
Part no.
Euro

Natural cooling extension kit
PCB for processing signals and switching the natural cooling control function.
- Connection plug
- Installation accessories

Contact humidistat must be added to the order.

7179172
177,–
Part no.
Euro

Frost stat
Safety switch for heat pump frost protection



7179164
170,–
Part no.
Euro

Plate heat exchanger (threaded)
For natural cooling.
► *Vitoset Pricelist*

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Cooling accessories

Accessories

		MG WX
2-way motorised ball valve (DN 32) Can be used as a shut-off valve. ■ With electric drive (230 V~) ■ Connection R 1¼ Required when using the natural cooling control function.	7968559 **625,–**	Part no. **Euro**

Diverter valves

		MG WX
3-way diverter valve (R 1¼) Required when using the natural cooling control function. For integrating a heat exchanger into the primary circuit (brine).	7165482 **869,–**	Part no. **Euro**

Sensors

		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.	7426463 **110,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting To capture the room temperature when cooling via a **separate** cooling circuit.	7438537 **87,–**	Part no. **Euro**

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Accessories		
Photovoltaics		MG WX
1-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management* 	7506156 **436,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management* 	7506157 **711,–**	Part no. **Euro**

Please note:
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 6.9, Control unit accessories (remote controls, sensors, etc.)

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VITOCAL 300-G

Brine/water heat pumps, 20.5 to 85.6 kW
Water/water heat pumps, 25.4 to 117.8 kW
1-stage and 2-stage

EHPA Quality Label

Vitocal 300-G

Vitocal 300-G, type BW/BWS 301.A: flow temperature up to 60 °C

Heat pumps with electric drive
- For room heating and DHW heating in mono or dual mode heating systems
- No integral circulation pumps
- **Type BW 301.A**

1-stage heat pump or stage 1 (master) of a 2-stage heat pump
- **Type BWS 301.A**

Stage 2 (slave) of a 2-stage heat pump, without its own control unit

Permissible operating pressure: heating water 3 bar (0.3 MPa)

Colour: Vitosilver

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: Vitocal 300-G up to 4.8 at B0/W35
- Mono mode operation for room heating and DHW heating
- Flow temperatures: Vitocal 300-G: up to 60 °C
- Low noise and low vibrations through sound-optimised appliance design
- Low running costs with the highest level of efficiency at every operating point through innovative RCD (refrigerant cycle diagnostic) system with electronic expansion valve (EEV)
- Easy to operate Vitotronic control unit with plain text and graphic display for weather-compensated heating mode and natural cooling or active cooling
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps

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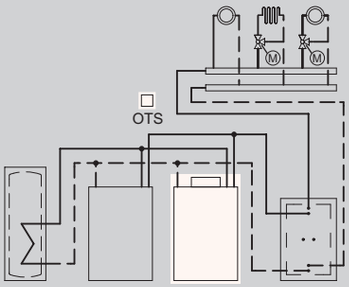
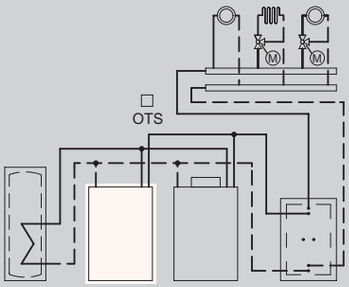
VITOCAL 300-G

Brine/water heat pumps, 1-stage/2-stage
Vitocal 300-G, type BW/BWS 301.A

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 1 or 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Integral diagnostic system ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Natural cooling and active cooling control functions (accessories required) ■ Swimming pool heating ■ Integral checking of the seasonal efficiency/energy statement ■ Optimisation of self-consumption Extensions are required for each heating circuit with mixer, the additional oil/gas boiler, cooling control functions and swimming pool heating (see Accessories).
 ■ 1 heating circuit without mixer ■ 1 or 2 heating circuits with mixer	**Without its own control unit, for weather-compensated mode** Vitocal 300-G, type BWS only acts as heat pump stage 2 in conjunction with a Vitocal 300-G, type BW 301.A21 to A45 or Vitocal 350-G, type BW 351.B20 to B42. The various types with different rated heating outputs can be combined in different ways depending on the system.

Please note:
The heat pumps must be commissioned by Viessmann Technical Service (see Service Pricelist) or a specialist heat pump contractor certified by Viessmann.

Standard delivery:

Type BW 301.A
- Complete compact heat pump as a 1-stage heat pump or as stage 1 (master) of a 2-stage heat pump
- Adjustable anti-vibration feet
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Electronic starting current limiter and integral phase monitor

Type BWS 301.A
- Compact heat pump as stage 2 (slave)
- Adjustable anti-vibration feet
- Connecting cable for stage 1 (master)
- Electronic starting current limiter

Please note:
Always site the heat pump stage 2 (slave) to the left of stage 1 (master).

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Type Model Version	Rated heating output (kW) at operating point B0/W35, 5 K spread (to EN 14511)			MG WT
	21.2	28.8	42.8	
BW 301.A21 Single-stage/two-stage Master	Z012778 **12.898,–** A++	–	–	Part no. **Euro** Energy
BW 301.A29 Single-stage/two-stage Master	–	Z012779 **16.839,–** A++	–	Part no. **Euro** Energy
BW 301.A45 Single-stage/two-stage Master	–	–	Z012780 **20.704,–** A++	Part no. **Euro** Energy
BWS 301.A21 Two-stage Slave	Z012781 **10.929,–** A++	–	–	Part no. **Euro** Energy
BWS 301.A29 Two-stage Slave	–	Z012782 **14.307,–** A++	–	Part no. **Euro** Energy
BWS 301.A45 Two-stage Slave	–	–	Z012783 **17.589,–** A++	Part no. **Euro** Energy
Specification				
Length	1085	1085	1085	mm
Width	780	780	780	mm
Height	1267	1267	1267	mm
Weight	245	272	298	kg
Clearance between appliances	300	300	300	mm
Coefficient of performance (COP)	4.7	4.8	4.6	
Flow temperature	60	60	60	°C
Energy efficiency ηs at W35	201	211	199	%
Energy efficiency ηs at W55	140	138	138	%

The heat pump stage 2 (type BWS) is 5 kg lighter than the heat pump stage 1 (type BW).

Energy efficiency ηs:
Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Conversion to a water/water heat pump

Water/water heat pump conversion kits
Components:
- Flow switch with set switching point.
- Frost stat.

1-stage heat pumps

Specification when used as water/water heat pump
(Operating point W10/W35, 5 K spread according to EN 14511)

	Vitocal 300-G				
Type	BW 301.A21	BW 301.A29	BW 301.A45		
Rated heating output (kW)	28.1	37.1	58.9		
COP	5.9	6.0	5.5		
Water/water heat pump conversion kit	7424671 **1.040,–**	7424672 **1.040,–**	7424673 **1.040,–**		Part no. **Euro** **MG WX**

Conversion to a water/water heat pump

Water/water heat pump conversion kits
Components:
- Flow switch with set switching point
- Frost stat

2-stage heat pumps

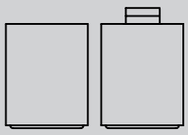
Conversion kit selection table
For selecting the conversion kit with different master/slave combinations

Output combination Type BW (master) / type BWS (slave)	**Flow switch switching point in litres/h**				
	6500	8500	9750	10700	13000
Type BW/BWS 301.A21 and 301.A21	x				
Type BW/BWS 301.A21 and 301.A29		x			
Type BW/BWS 301.A21 and 301.A45			x		
Type BW/BWS 301.A29 and 301.A29		x			
Type BW/BWS 301.A29 and 301.A45				x	
Type BW/BWS 301.A45 and 301.A45					x
Water/water heat pump conversion kit	7424673 **1.040,–**	7417868 **1.040,–**	7424674 **1.040,–**	7424675 **1.040,–**	7424676 **1.040,–**

Part no.
Euro
MG WX

6.2

Master/slave packs

Brine/water heat pump Rated heating output (kW) at operating point B0/W35, 5 K spread (to EN 14511)		42.4	57.6	85.6	MG WT
Master/slave packs for Vitocal 300-G Master/slave pack where both have the same rated heating output: ■ Vitocal 300-G, type BW 301.A ■ Vitocal 300-G, type BWS 301.A		Z012784 **23.821,–** A++	Z012785 **31.140,–** A++	Z012786 **38.287,–** A++	Part no. **Euro** Energy

Please note:
The heat pumps of type 301.A21 to A45 can be used together as type BW (master) and type BWS (slave) in any combination of output sizes.

Accessories		
Brine circuit (primary circuit)		MG WX
Brine accessory pack For connecting the heat pump to the primary circuit. Connection set, comprising: ■ Air separator with air vent valve ■ Safety valve 3 bar (0.3 MPa) ■ Pressure gauge ■ Drain & fill valve ■ 2 shut-off devices male/fem. 2 x 1½ ■ Wall mounting brackets ■ Thermal insulation (vapour diffusion-proof) *Maximum flow rate in the primary circuit: 6500 l/h*	ZK02447 **837,–**	Part no. **Euro**
Pump sets for brine accessory packs Required if no primary pump is installed in the heat pump. ■ High efficiency circulation pump Grundfos UPM GEO 25/85, 230 V ■ Connection G 1½ ■ Shut-off device male/fem. 2 x 1½ ■ Thermal insulation for the circulation pump and shut-off device (vapour diffusion-proof) For type BW 301.A21	ZK02448 **634,–**	Part no. **Euro**
Pump sets for brine accessory packs Required if no primary pump is installed in the heat pump. ■ High efficiency circulation pump Grundfos UPMXL GEO 25/125, 230 V ■ Connection G 1½ ■ Shut-off device male/fem. 2 x 1½ ■ Thermal insulation for the circulation pump and shut-off device (vapour diffusion-proof) For type BW 301.A29 and BW 351.B20	ZK02449 **1.074,–**	Part no. **Euro**

Accessories		
		MG WO
Brine expansion vessel, 40 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248243 **171,–**	Part no. **Euro**
Brine expansion vessel, 50 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248244 **258,–**	Part no. **Euro**
Brine expansion vessel, 80 litres, 10 bar Colour: white With shut-off valve and fixings Pre-charge pressure 4.5 bar	7248245 **360,–**	Part no. **Euro**

Please note:
Size the brine accessory pack, brine manifold and brine expansion vessel in accordance with the technical guides

Brine circuit (primary circuit)		MG WX
Pressure switch (Cannot be used in conjunction with potassium carbonate-based heat transfer medium)	9532663 **259,–**	Part no. **Euro**
Brine manifold for geothermal collectors/probes (plastic) ■ Flow and return connections G 1½ ■ Locking ring fittings with plug-in connection to the manifold ■ Each brine circuit can be shut off individually ■ 2 drain & fill valves ■ Installation accessories		

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Accessories		
Brine circuit (primary circuit)		MG WX
Brine manifold PE 25 × 2.3 for 2 brine circuits	ZK01285 **507,–**	Part no. **Euro**
Brine manifold PE 25 × 2.3 for 3 brine circuits	ZK01286 **650,–**	Part no. **Euro**
Brine manifold PE 25 × 2.3 for 4 brine circuits	ZK01287 **797,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 2 brine circuits	ZK01288 **525,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 3 brine circuits	ZK01289 **711,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 4 brine circuits	ZK01290 **879,–**	Part no. **Euro**

Please note:
A contactor relay is required when using 400 V brine circuit pumps.
► *For contactor relay see Control unit accessories.*

Heat transfer medium		
Heat transfer medium "Tyfocor GE" 30 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05914 **123,–**	Part no. **Euro** MG WX
Heat transfer medium "Tyfocor GE" 200 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05915 **735,–**	Part no. **Euro** MG WX
Filling station ■ Self-priming impeller pump, 30 litres/min ■ Dirt filter (intake side) ■ Hose, 0.5 m long (intake side) ■ Connection hose, 2.5 m long (2 pce) ■ Packing crate (can be used as a flushing tank) 	7188625 **761,–**	Part no. **Euro** MG N
Well circuit		
Plate heat exchanger (threaded) For system separation of well and brine circuits. ► *Vitoset Pricelist*		
Additional accessories on site		

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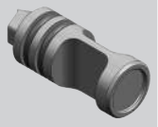
Accessories

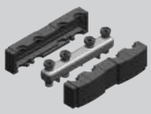
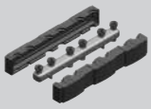
Heating circuit Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor for heating circuit A1				
Divicon heating circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with Wilo PARA 25/6 circulation pump	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with Wilo PARA 25/8 circulation pump	**–**		Z024688 **866,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M2				
Divicon heating circuit distributor with mixer (as a set) ■ Heating circuit pump, fully wired (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.* ►See section "Heating circuit control unit extension".				
Divicon heating circuit distributor assembly with mixer-3 ■ With Grundfos Alpha25/60 variable speed high efficiency circulation pump ■ With connecting cable (3.5 m long)	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M3				
Divicon heating circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With Wilo PARA 25/6 circulation pump	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With Wilo PARA 25/8 circulation pump	**–**		Z024682 **1.586,–**	Part no. **Euro**

Divicon accessories Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**

6.2

Accessories

Divicon accessories

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

Please note:
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

Heating circuit control unit extension

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump *Required accessories for the heating circuit with mixer M2.*		7441998 **460,–**			Part no. **Euro**

Safety assembly

			MG W
Safety equipment block ■ Safety assembly with safety valve (3 bar/0.3 MPa) ■ Thermal insulation		7143779 **160,–**	Part no. **Euro**

► *For heating water buffer cylinders, see Register 8.*

Miscellaneous

			MG N
Service box ■ Protective box for service folder with system documentation ■ Can be secured on the heat generator or on the wall ■ Colour: Vitosilver		7334502 **12,60**	Part no. **Euro**

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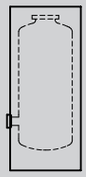
DHW heating accessories
With cylinder loading system

Vitocell 100-L

MG WH

Vitocell 100-L, type CVL
Cylinder for DHW heating with cylinder loading system.
- 500 litre capacity
- Steel, with Ceraprotect enamel coating
- Colour: Vitosilver



Z002074
2.719,–
B

Part no.
Euro
Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

MG W

Heating lance
For installation in a flanged aperture of the Vitocell
For DHW heating with a heat pump via an external heat exchanger
- Flange
- Gasket
- Flange cover; colour: Vitosilver

For Vitocell 100-L, type CVL.

ZK00037
835,–

Part no.
Euro

Impressed current anode
- Maintenance-free
- In place of the protective magnesium anode supplied

7265008
480,–

Part no.
Euro

DHW heating with external heat exchanger (cylinder loading system)

MG WX

Circulation pump for cylinder heating
For DHW heating via a plate heat exchanger.
Grundfos UPS 25-60 B.

7820403
470,–

Part no.
Euro

Circulation pump for cylinder heating
For DHW heating via a plate heat exchanger.
Grundfos UPS 32-80 B.

7820404
1.111,–

Part no.
Euro

Vitotrans 100 plate heat exchanger
Selection in accordance with technical guide.
►*See Register 8.*

Please note:
Additional accessories on site.

Accessories

MG WX

2-way motorised ball valve (DN 32)
Can be used as a shut-off valve.
- With electric drive (230 V~)
- Connection 1¼

Required when using the natural cooling control function.

7968559
625,–

Part no.
Euro

3-way diverter valve
- With electric drive
- Connection G 1½ (male thread)

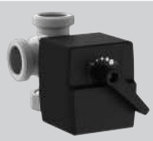
For hydraulic connection of a heating water buffer cylinder with freshwater module.

ZK01344
455,–

Part no.
Euro

3-way diverter valve
- With electric drive
- Connection G 2 (male thread)

For hydraulic connection of a heating water buffer cylinder with freshwater module.



ZK01353
527,–

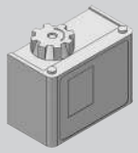
Part no.
Euro

►*For heating water buffer cylinders, see Register 10.*

6.2

Cooling accessories

Cooling

		MG WX
Natural cooling extension kit PCB for processing signals and switching the natural cooling control function. ■ Connection plug ■ Installation accessories Contact humidistat must be added to the order.	7179172 **177,–**	Part no. **Euro**
Frost stat Safety switch for heat pump frost protection 	7179164 **170,–**	Part no. **Euro**
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation	7181418 **570,–**	Part no. **Euro**
Plate heat exchanger (threaded) For natural cooling. ► *Vitoset Pricelist*		

Diverter valves

		MG WX
3-way diverter valve (R 1¼) Required when using the natural cooling control function. For integrating a heat exchanger into the primary circuit (brine).	7165482 **869,–**	Part no. **Euro**

Accessories

		MG WX
2-way motorised ball valve (DN 32) Can be used as a shut-off valve. ■ With electric drive (230 V~) ■ Connection 1¼ Required when using the natural cooling control function.	7968559 **625,–**	Part no. **Euro**

Sensors

		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.	7426463 **110,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting To capture the room temperature when cooling via a **separate** cooling circuit.	7438537 **87,–**	Part no. **Euro**

6.2

Accessories		
Photovoltaics		MG WX
3-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system.	7506157 **711,–**	Part no. **Euro**

Please note:
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 11, Control unit accessories (remote controls, sensors, etc.)

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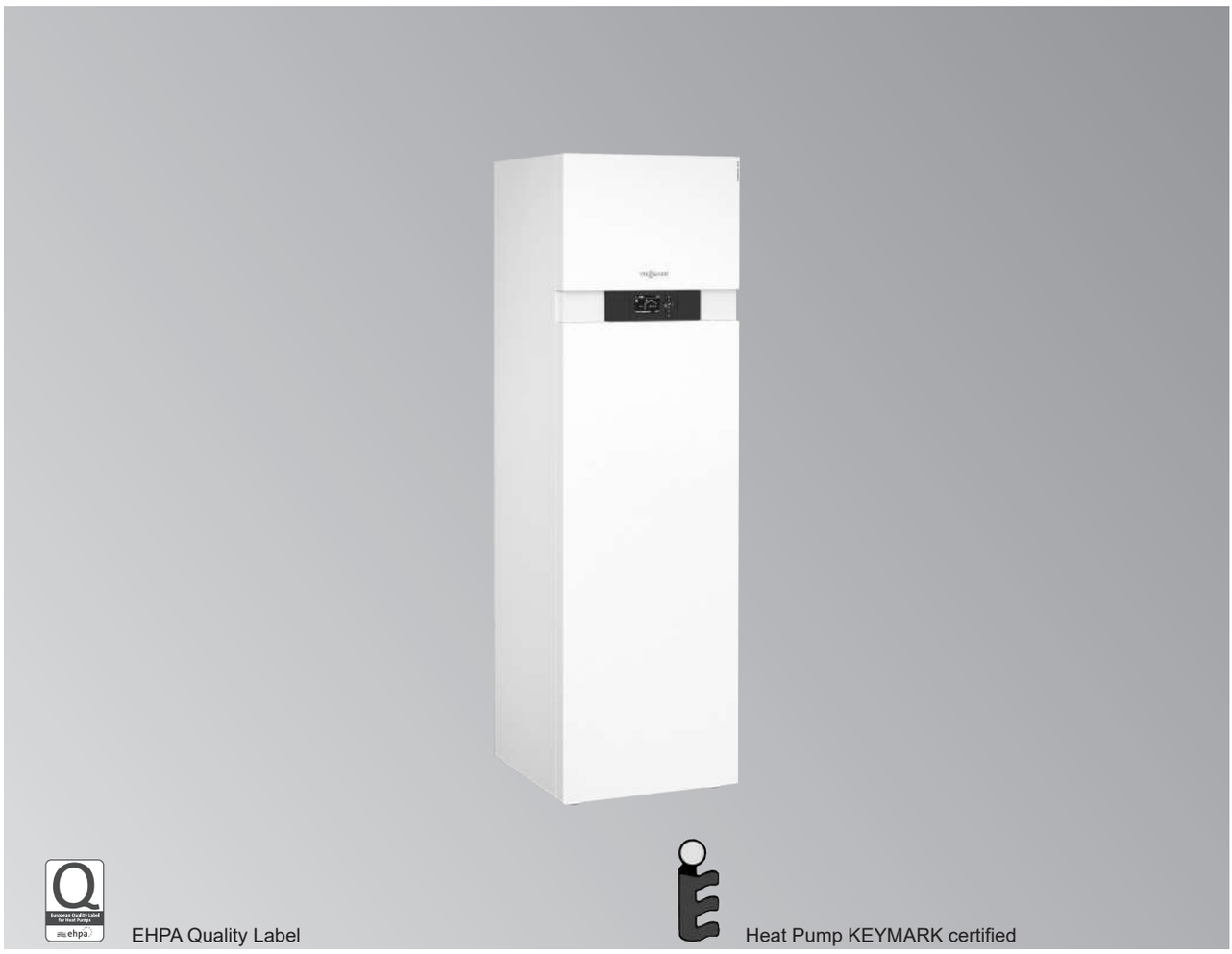

EHPA Quality Label

Heat Pump KEYMARK certified

Vitocal 222-G/333-G

Up to 65 °C flow temperature

Vitocal 222-G, type BWT 221.B: Refrigerant circuit with fixed heating output
Vitocal 333-G, type BWT 331.C: Refrigerant circuit with modulating heating output

Compact heat pumps
- DHW cylinder with 220 l capacity
- With high efficiency circulation pumps and 3-way diverter valve
- With integral instantaneous heating water heater

Permissible operating pressure:
Heating water 3 bar (0.3 MPa), **DHW** 10 bar (1 MPa)

Colour: Vitopearlwhite

- Low running costs thanks to high SCOP (seasonal coefficient of performance) to EN 14825: up to 5.3 for average climatic conditions, low temperature application (W35)
- Especially quiet thanks to new sound insulation concept (at B0/W55):
  - Vitocal 222-G: 46 dB(A)
  - Vitocal 333-G: 33 to 47 dB(A)
- Vitocal 222-G: low running costs with high efficiency due to refrigerant cycle diagnostic (RCD) system with electronic expansion valve (EEV)
- Vitocal 333-G: very low running costs due to refrigerant circuit with output-dependent control and innovative inverter technology for the highest SCOP
- High DHW convenience (label A+) and very high draw-off rates (up to 315 litres)
- Easy handling as the heat pump module can be quickly removed thanks to push-fit connections
- Optimised utilisation of power generated on site by photovoltaic systems
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps

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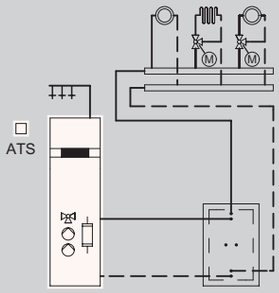
VITOCAL 222-G/333-G

Compact heat pumps
Vitocal 222-G, type BWT 221.B

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Integral diagnostic system ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Natural cooling control function (accessories required) ■ Swimming pool heating ■ Integral checking of the seasonal efficiency/energy statement ■ Optimisation of self-consumption Extensions are required for the heating circuit with mixer, the cooling control function and swimming pool heating (see Accessories).

Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

6.3

Standard delivery:

- Brine/water heat pump for central heating and DHW heating
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency brine circuit pump (primary circuit)
- Integral high efficiency heating circuit pump (secondary circuit)
- Integral instantaneous heating water heater
- Safety assembly for the heating circuit
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Electronic starting current limiter and integral phase monitor
- Connection pipes for primary circuit flow and return (brine) can be connected on the left or right (supplied)
- Connection pipes for secondary circuit flow and return (heating) for connection at the top (supplied)

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Type	Rated heating output (kW) at operating point B0/W35, 5 K spread (to EN 14511)				MG WT
	5.8	7.5	10.4		
BWT 221.B06	Z016841 **7.465,–** A++ A+	–	–		Part no. **Euro**
BWT 221.B08	–	Z016842 **8.115,–** A++ A+	–		Part no. **Euro**
BWT 221.B10	–	–	Z016843 **8.987,–** A+++ A+		Part no. **Euro**
Specification					
Coefficient of performance (COP)	4.6	4.6	4.8		
Seasonal coefficient of performance (SCOP)	4.9	5.2	5.3		
Flow temperature	65	65	65		°C
Cylinder capacity	220	220	220		l
Length	680	680	680		mm
Width	600	600	600		mm
Height	2000	2000	2000		mm
Weight	277	282	288		kg
Energy efficiency ηs at W35	186	201	204		%
Energy efficiency ηs at W55	134	143	150		%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	8	11		kW
COPd + 7 °C by medium temperature use, medium climate conditions	4	4,2	4,3		

Coefficient of performance COP:
At operating point B0/W35 to EN 14511 (05/2018) at rated heating output

Seasonal coefficient of performance SCOP:
Under average climatic conditions for low temperature applications (W35) to EN 14825

Energy efficiency ηs:
Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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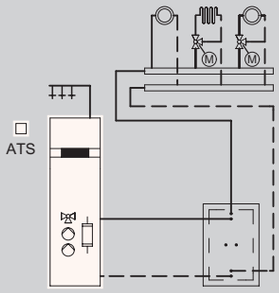
VITOCAL 222-G/333-G

Compact heat pumps
Vitocal 333-G, type BWT 331.C

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Integral diagnostic system ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Natural cooling control function (accessories required) ■ Swimming pool heating ■ Integral checking of the seasonal efficiency/energy statement ■ Optimisation of self-consumption Extensions are required for the heating circuit with mixer, the cooling control function and swimming pool heating (see Accessories).

Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

6.3

Standard delivery:

- Brine/water heat pump for central heating and DHW heating
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency brine circuit pump (primary circuit)
- Integral high efficiency heating circuit pump (secondary circuit)
- Integral instantaneous heating water heater
- Safety assembly for the heating circuit
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Integral phase monitor
- Connection pipes for primary circuit flow and return (brine) can be connected on the left or right (supplied)
- Connection pipes for secondary circuit (heating) flow and return for connection at the top (supplied)

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	Type	Rated heating output (kW) at operating point B0/W35, 5 K spread (to EN 14511)			MG WT
		4.3	5.3		
	BWT 331.C06	Z016844 **10.834,–** A++ A+	**–**		Part no. **Euro**
	BWT 331.C12	**–**	Z016845 **11.235,–** A+++ A+		Part no. **Euro**

Specification				
Min./max. output range	1.7 - 8.6	2.4 - 11.4		kW
Coefficient of performance (COP)	4.7	4.8		
Seasonal coefficient of performance (SCOP)	5.3	5.3		
Flow temperature	65	65		°C
Cylinder capacity	220	220		l
Length	680	680		mm
Width	600	600		mm
Height	2000	2000		mm
Weight	277	282		kg
Energy efficiency ηs at W35	204	205		%
Energy efficiency ηs at W55	141	151		%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	12		
COPd + 7 °C by medium temperature use, medium climate conditions	4,1	4,57		

Min./max. output range at operating point B0/W35

Coefficient of performance COP:
At operating point B0/W35 to EN 14511 (05/2018) at rated heating output

Seasonal coefficient of performance SCOP:
Under average climatic conditions for low temperature applications (W35) to EN 14825

Energy efficiency ηs:
Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Conversion to a water/water heat pump

Water/water heat pump conversion kits
Components:
- Flow switch with set switching point
- Frost stat

Specification when used as water/water heat pump
(Operating point W10/W35, 5 K spread according to EN 14511)

Vitocal 222-G

Type	BWT 221.B06	BWT 221.B08	BWT 221.B10	
Rated heating output	7.1	9.2	12.4	kW
COP	5.7	6.2	6.4	
Water/water heat pump conversion kit	7441719 **815,–**	7441720 **815,–**	7441721 **815,–**	Part no. **Euro** **MG WX**

Vitocal 333-G

Type	BWT 331.C06	BWT 331.C12		
Rated heating output	5.3	6.7		kW
COP	6.4	6.4		
Water/water heat pump conversion kit	7441720 **815,–**	7441722 **815,–**		Part no. **Euro** **MG WX**

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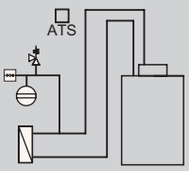
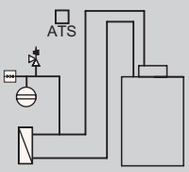
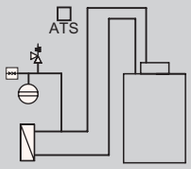
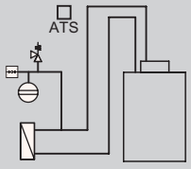
Conversion to Vitocal 222-G water/water heat pump

Conversion kits for water/water application

Type		BWT 221.B06	BWT 221.B08	BWT 221.B10	MG WX
"Groundwater safety" conversion kit With a **threaded** separating heat exchanger for maintenance and cleaning: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Separating heat exchanger (threaded, reusable). ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). Standard delivery		ZK00303 **4.695,–**	ZK00305 **4.921,–**	ZK00307 **5.376,–**	Part no. **Euro**
"Groundwater" conversion kit With **brazed** separating heat exchanger: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Vitotrans 100 separating heat exchanger. ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). **Please note:** Replace contaminated or faulty Vitotrans 100 plate heat exchangers with new Vitotrans 100. Standard delivery		ZK00304 **3.305,–**	ZK00306 **3.305,–**	ZK00308 **3.305,–**	Part no. **Euro**

Conversion to Vitocal 333-G water/water heat pump

Conversion kits for water/water application

Type		BWT 331. C06	BWT 331. C12	MG WX
"Groundwater safety" conversion kit With a **threaded** separating heat exchanger for maintenance and cleaning: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Separating heat exchanger (threaded, reusable). ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). Standard delivery		ZK00305 **4.921,–**	ZK00309 **5.602,–**	Part no. **Euro**
"Groundwater" conversion kit With **brazed** separating heat exchanger: ■ Water/water heat pump conversion kit (matching flow limiter and frost stat). ■ Vitotrans 100 separating heat exchanger. ■ Safety equipment block for intermediate circuit. ■ Expansion vessel with wall mounting bracket for intermediate circuit. ■ Cap valve R ¾. ■ "Tyfocor" heat transfer medium (30 litres). **Please note:** Replace contaminated or faulty Vitotrans 100 plate heat exchangers with new Vitotrans 100. Standard delivery		ZK00306 **3.305,–**	ZK00310 **3.798,–**	Part no. **Euro**

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Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see Register 11 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see Register 11 and **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

►For more information on system requirements, registration and usage, see Register 11.2

Energy Management Systems

Viessmann Energy Management
Viessmann heat pumps available from November 2017 are compatible with the Viessmann Energy Management System. This enables balanced operation of those components in the building that generate, consume or store power. The focus is on optimised self-consumption of self-generated photovoltaic power. The information is available live and also in the history for up to 2 years. The ViCare app shows how much CO_2 is saved by the system.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

Accessories

Ventilation units

Vitovent mechanical ventilation systems
Mechanical ventilation systems with heat recovery in wall mounted, ceiling mounted or floorstanding designs.
- Max. flow rates up to 600 m³/h
- Max. residential units up to 750 m²

Compatible Vitovent ventilation units can be operated via the heat pump control unit.

►For ventilation units and accessories, see Pricelist Part 2, Register 9

Brine circuit (primary circuit)

		MG WX
Brine accessory pack up to 17 kW For connecting the heat pump to the primary circuit. Connection set, comprising: ■ Air separator with air vent valve ■ Safety valve 3 bar (0.3 MPa) ■ Pressure gauge ■ Drain & fill valve ■ 2 shut-off devices, male, 2 x 1¼ ■ EPP thermal insulation *Maximum flow rate in the primary circuit: 5000 l/h*	ZK05955 **584,–**	Part no. **Euro**

Accessories

		MG WO
Brine expansion vessel, 25 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248242 **134,–**	Part no. **Euro**
Brine expansion vessel, 40 litres, 10 bar ■ Colour: white ■ With shut-off valve and fixings ■ Pre-charge pressure 4.5 bar	7248243 **171,–**	Part no. **Euro**

Please note:
Size the brine accessory pack, brine manifold and brine expansion vessel in accordance with the technical guides

Accessories		
Brine circuit (primary circuit)		MG WX
Pressure switch (Cannot be used in conjunction with potassium carbonate-based heat transfer medium)	9532663 **259,–**	Part no. **Euro**
Brine manifold for geothermal collectors/probes (plastic) ■ Flow and return connections G 1½ ■ Locking ring fittings with plug-in connection to the manifold ■ Each brine circuit can be shut off individually ■ 2 drain & fill valves ■ Installation accessories		
Brine manifold PE 25 × 2.3 for 2 brine circuits	ZK01285 **507,–**	Part no. **Euro**
Brine manifold PE 25 × 2.3 for 3 brine circuits	ZK01286 **650,–**	Part no. **Euro**
Brine manifold PE 25 × 2.3 for 4 brine circuits	ZK01287 **797,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 2 brine circuits	ZK01288 **525,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 3 brine circuits	ZK01289 **711,–**	Part no. **Euro**
Brine manifold PE 32 × 2.9 for 4 brine circuits	ZK01290 **879,–**	Part no. **Euro**
Heat transfer medium		
Heat transfer medium "Tyfocor GE" 30 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05914 **123,–**	Part no. **Euro** MG WX
Heat transfer medium "Tyfocor GE" 200 litres Ready-mixed ethylene glycol-based medium with corrosion inhibitors and protection down to -16 °C (light green), in disposable container *Not suitable for air/water applications or solar thermal systems*	ZK05915 **735,–**	Part no. **Euro** MG WX
Filling station ■ Self-priming impeller pump, 30 litres/min ■ Dirt filter (intake side) ■ Hose, 0.5 m long (intake side) ■ Connection hose, 2.5 m long (2 pce) ■ Packing crate (can be used as a flushing tank)	7188625 **761,–**	Part no. **Euro** MG N
Heating circuit		MG WX
Ball valve with filter (G 1¼) Ball valve with integral stainless steel water filter. For installation in the heating water return, to protect the condenser against contamination.	ZK03206 **90,–**	Part no. **Euro**
Overflow valve (R ¾) For ensuring the minimum flow rate	ZK05500 **64,–**	Part no. **Euro**

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Accessories

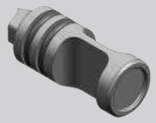
Heating circuit

Connection to heating circuit (nominal diameter)

	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor for heating circuit A1				
Divicon heating circuit distributor without mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/6	Z024686 **802,–**	Z024687 **832,–**	–	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/8	–		Z024688 **866,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M2				
Divicon heating circuit distributor with mixer (as a set) ■ Variable speed high efficiency circulation pump (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.* ►See section "Heating circuit control unit extension".				
Divicon heating circuit distributor assembly with mixer-3 ■ With Grundfos Alpha25/60 variable speed high efficiency circulation pump ■ With connecting cable (3.5 m long)	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M3				
Divicon heating circuit distributor with mixer (fully fitted) ■ Variable speed high efficiency circulation pump, fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	Z024680 **1.484,–**	Z024681 **1.514,–**	–	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/8	–		Z024682 **1.586,–**	Part no. **Euro**

Divicon accessories

Connection to heating circuit (nominal diameter)

	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Bypass valve For hydronic balancing of the heating circuit. 		7464889 **21,–**		Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)		7465894 **60,–**		Part no. **Euro**

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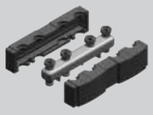
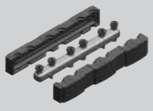
Accessories

Divicon accessories

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

Please note:
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

Heating circuit control unit extension

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump *Required accessories for the heating circuit with mixer M2.*		7441998 **460,–**			Part no. **Euro**

Accessories		
Vitocell 100-W		MG WH
Vitocell 100-W, Vitopearlwhite ■ For storing heating water in conjunction with heat pumps with up to 17 kW heating output, including overflow valve (R1) ■ For ensuring the minimum system volume (defrost energy) ■ With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket For systems with the following operating data: ■ Heating water flow temperature up to 95 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa)	Z017685 **716,–** B	Part no. **Euro** Energy
Vitocell 100-E		MG WH
Vitocell 100-E, 50 litre capacity, Vitopearlwhite ■ For storing heating water/cooling water in conjunction with heat pumps with up to 17 kW heating output ■ With rigid PUR foam thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa)	Z026457 **583,–** B	Part no. **Euro** Energy
Vitocell 100-E, 75 litre capacity, Vitopearlwhite ■ For storing heating water/cooling water in conjunction with heat pumps with up to 17 kW heating output ■ With rigid PUR foam thermal insulation For systems with the following operating data: ■ Heating water flow temperature up to 110 °C ■ Operating pressure on the heating water side up to 3 bar (0.3 MPa)	Z026458 **742,–** B	Part no. **Euro** Energy
Hydraulic connection accessories		MG WX
DHW circulation connection set ■ DHW circulation pump ■ Pipe assembly with thermal insulation ■ For installation in the heat pump casing	ZK04652 **422,–**	Part no. **Euro**

► *For heating water buffer cylinders, see Register 10.*

Accessories		
		MG W
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**	Part no. **Euro**
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	7182008 **214,–**	Part no. **Euro**
Miscellaneous		
Platform for unfinished floors For siting the appliance on unfinished floors. ■ Height-adjustable, for screed heights of 10 to 18 cm ■ Incl. thermal insulation	7417925 **474,–**	Part no. **Euro** MG WX

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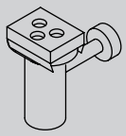
Accessories		
Miscellaneous		
Drain outlet kit Drain outlet with trap and bezel DN 40. 	7176014 **35,–**	Part no. **Euro** **MG W**
Heat pump module transport aid To enable 2 people to easily remove and carry the refrigerant circuit module.	ZK04568 **118,–**	Part no. **Euro** **MG WX**

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Cooling accessories

Cooling

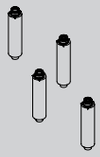
MG WX

NC-Box
Pre-assembled unit for implementing the natural cooling function with one heating/cooling circuit.
For the connection of underfloor heating systems, chilled ceilings or fan convectors, for example.
Max. cooling capacity depends on the heat source used.
Direct switching by the heat pump control unit (NC signal).
Modulation via the speed of the primary circulation pump of the heat pump.
Installation possible on the back of the heat pump or on the wall.
- 3-way diverter valves (heating/cooling)
- Plate heat exchanger
- Thermally insulated casing (EPP)

Length	520	mm
Height	422	mm
Width	265	mm
Weight	9	kg

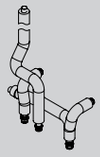
ZK05954
2.478,–
Part no.
Euro

Hydraulic connection set NC-Box, wall mounting
Pre-assembled pipe assembly for connection to the heat pump
- Primary circuit flow and return (brine)
- Secondary circuit flow and return (heating water)
- Thermal insulation



ZK06080
145,–
Part no.
Euro

NC-Box hydraulic connection set, installation on compact heat pumps
Prefabricated pipe assembly for connection to the rear of the compact heat pump
- Primary circuit flow and return (brine)
- Secondary circuit flow and return (heating water)
- Thermal insulation



ZK06082
276,–
Part no.
Euro

Contact humidistat 24 V
- For capturing the dew point
- To prevent condensation

7181418
570,–
Part no.
Euro

Sensors

MG W

Contact temperature sensor (NTC 10 kOhm)
- To capture the temperature on a pipe
- With connecting lead (5.8 m long) and plug

To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.

7426463
110,–
Part no.
Euro

Room temperature sensor (NTC 10 kOhm)
In an enclosure for wall mounting
To capture the room temperature when cooling via a **separate** cooling circuit.

7438537
87,–
Part no.
Euro

6.3

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Solar accessories

Accessories

MG WO

Solar collectors
Max. connectible collector area
- **4.6 m²** Vitosol 100-FM/200-FM
- **3 m²** Vitosol 200-TM/300-TM

► See Pricelist Part 1, Register 9.

Solar heat exchanger set (Divicon)
For connecting solar thermal systems to type BWT 221.B and 331.C
- Circulation pump
- Connections matched to Solar-Divicon for direct mounting below the Solar-Divicon
- Thermal insulation
- Connection elbow with sensor well

ZK05960
1.183,–

Part no.
Euro
MG WX

Solar-Divicon, type PS 10
Two-line pump station for the collector circuit
Delivery head: 6.0 m at a pump rate of 1000 l/h
- Variable speed high efficiency circulation pump
- **Integral SDIO/SM1A electronics module**
- Fill valves
- Air separator
- 2 thermometers
- 2 ball valves with check valve
- Circulation pump
- Flow indicator
- Pressure gauge
- Safety valve (6 bar)
- Thermal insulation
- Locking ring fitting/double O-ring 22 mm

Z021901
1.239,–

Part no.
Euro

High limit temperature cut-out device for solar thermal system
For installation in the loading cylinder integrated into the heat pump.
- Max. switching point 95 °C

7506168
90,–

Part no.
Euro
MG WX

Heat transfer medium

MG WO

"Tyfocor LS" heat transfer medium
25 litres in a disposable container.
Ready mixed, down to -28 °C.
Tyfocor LS can be mixed with Tyfocor G-LS.

7159727
206,–

Part no.
Euro

► *For filling station, see brine circuit*

6.3

Accessories		
Photovoltaics		MG WX
3-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management* 	7506157 **711,–**	Part no. **Euro**

Please note:
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 11, Control unit accessories (remote controls, sensors, etc.)

VITOCAL 100-S

Air source heat pumps
Split version
1.3 to 11.6 kW (A2/W35)
1.8 to 17.1 kW (A7/W35)

Heat Pump KEYMARK certified

6.5

Vitocal 100-S

Up to a flow temperature of 58 °C, 4-8 kW.

Types AWB-M 101.A/B and AWB 101.A/B
Heat pump with electric drive in split design with outdoor and indoor unit. For central heating and DHW heating in heating systems.
Indoor unit with Vitotronic 200 heat pump control unit, high efficiency circulation pump for the secondary circuit, 3-way diverter valve, diaphragm expansion vessel and integral safety assembly.

Types AWB-M-E-AC 101.A/B and AWB-E-AC 101.A/B
Equipment level as per types AWB-M 101.A/B and AWB 101.A/B plus active cooling function.
With integral instantaneous heating water heater.

Types AWB-M-E 101.A/B and AWB-E 101.A/B
Equipment level as per types AWB-M 101.AB and AWB 101.A/B.
With integral instantaneous heating water heater.

Permissible operating pressure: heating water 3 bar (0.3 MPa).

Colour: Vitopearlwhite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.1 (A7/W35) and 3.8 (A2/W35).
- Output control and DC inverter for high efficiency in partial load operation.
- Indoor unit with high efficiency circulation pump, heat exchanger, 3-way diverter valve, safety assembly, diaphragm expansion vessel and control unit; with instantaneous heating water heater for versions -E and -AC.
- Easy to operate Vitotronic control unit with plain text and graphic display.
- Convenient reversible design that enables heating and cooling to different temperature levels (AC version).
- Optimised utilisation of self-generated power from photovoltaic systems.
- Cascade function for up to 5 heat pumps.
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps.

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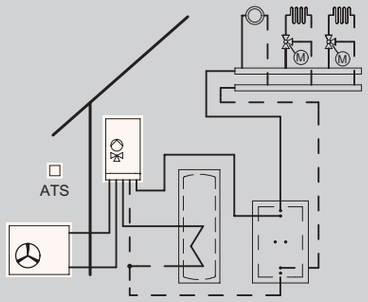
VITOCAL 100-S

Air source heat pumps, split version
Vitocal 100-S, type AWB-M 101.A/B
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Viessmann Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter ■ Control of an instantaneous heating water heater Extensions are required for the heating circuits with mixer, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

6.5

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Diaphragm expansion vessel (10 litres)
- Flow switch
- Wall mounting bracket

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled, sound-insulated compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A bus cable for connecting the outdoor and indoor units must be added to the order; see Accessories.

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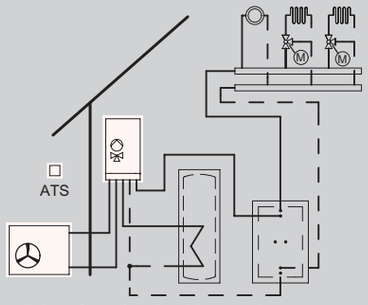
Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)						MG W2
	4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	
AWB-M 101.B04 **230** R32	Z019089 **4.859,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWB-M 101.B06 **230** R32	–	Z019090 **5.071,–** A++	–	–	–	–	Part no. **Euro** Energy
AWB-M 101.B08 **230** R32	–	–	Z019091 **5.276,–** A++	–	–	–	Part no. **Euro** Energy
AWB-M 101.A12 **230** R410A	–	–	–	Z014666 **6.769,–** A+	–	–	Part no. **Euro** Energy
AWB-M 101.A14 **230** R410A	–	–	–	–	Z014667 **6.942,–** A+	–	Part no. **Euro** Energy
AWB-M 101.A16 **230** R410A	–	–	–	–	–	Z014668 **7.228,–** A+	Part no. **Euro** Energy
Specification							
Coefficient of performance (COP) at A7	5.1	4.9	4.7	4.7	4.7	4.5	
Coefficient of performance (COP) at A2	3.8	3.5	3.6	3.4	3.5	3.4	
Heating output range at A7	3.0 - 7.2	3.0 - 7.7	4.7 - 12.0	6.1 - 13.0	7.0 - 15.0	7.5 - 17.1	kW
Heating output range at A2	1.3 - 4.5	2.0 - 5.0	3.6 - 9.0	4.2 - 10.3	4.6 - 11.0	5.0 - 11.6	kW
Flow temperature	58	58	58	55	55	55	°C
Sound power level	62	62	64	64	64	64	dB(A)
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	880	880	880	880	880	880	mm
Indoor unit length	370	370	370	370	342	342	mm
Indoor unit weight	42	42	42	45	45	45	kg
Outdoor unit width	975	975	980	900	900	900	mm
Outdoor unit height	702	702	790	1345	1345	1345	mm
Outdoor unit length	344	344	360	342	342	342	mm
Outdoor unit weight	59	59	80	107	107	107	kg
Dimensions of hot gas line	12	12	12	16	16	16	Ø mm
Dimensions of liquid line	6	6	6	10	10	10	Ø mm
Rated heating output A2/W35	3.6	4.5	6.0	7.9	8.5	9.2	kW

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

VITOCAL 100-S

Air source heat pumps, split version
Vitocal 100-S, type AWB 101.A
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Viessmann Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter ■ Control of an instantaneous heating water heater Extensions are required for the heating circuits with mixer, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.5

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Diaphragm expansion vessel (10 litres)
- Flow switch
- Wall mounting bracket

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled, sound-insulated compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A bus cable for connecting the outdoor and indoor units must be added to the order; see Accessories.

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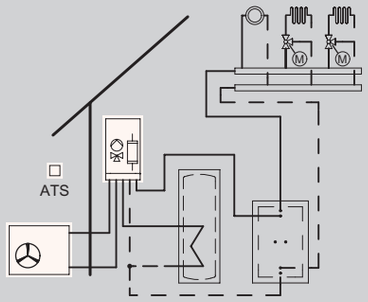
	Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 11.5 9.0	 13.5 9.8	 15.7 10.6		MG W2
	AWB 101.A12 **400** R410A	Z014669 **6.953,–** A+	–	–		Part no. **Euro** Energy
	AWB 101.A14 **400** R410A	–	Z014670 **7.227,–** A+	–		Part no. **Euro** Energy
	AWB 101.A16 **400** R410A	–	–	Z014671 **7.519,–** A+		Part no. **Euro** Energy
	Specification					
	Coefficient of performance (COP) at A7	4.5	4.5	4.4		
	Coefficient of performance (COP) at A2	3.3	3.3	3.3		
	Heating output range at A7	6.0 - 13.0	6.8 - 15.0	7.6 - 16.7		kW
	Heating output range at A2	5.5 - 10.0	5.7 - 10.5	5.9 - 11.0		kW
	Flow temperature	55	55	55		°C
	Sound power level	64	64	64		dB(A)
	Indoor unit width	450	450	450		mm
	Indoor unit height	880	880	880		mm
	Indoor unit length	370	370	370		mm
	Indoor unit weight	45	45	45		kg
	Outdoor unit width	900	900	900		mm
	Outdoor unit height	1345	1345	1345		mm
	Outdoor unit length	342	342	342		mm
	Outdoor unit weight	114	114	114		kg
	Dimensions of hot gas line	16	16	16		Ø mm
	Dimensions of liquid line	10	10	10		Ø mm
	Rated heating output A2/W35	7.4	8.4	9.5		kW

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

VITOCAL 100-S

Air source heat pumps, split version
Vitocal 100-S, type AWB-M-E 101.A/B
Heating and integral instantaneous heating water heater

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Viessmann Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

6.5

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Diaphragm expansion vessel (10 litres)
- Flow switch
- Wall mounting bracket

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled, sound-insulated compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A bus cable for connecting the outdoor and indoor units must be added to the order; see Accessories.

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Air source heat pumps, split version
Vitocal 100-S, type AWB-M-E 101.A/B
Heating and integral instantaneous heating water heater

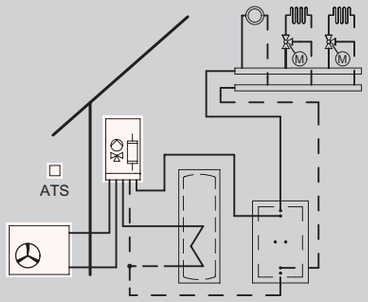
Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	MG W2
AWB-M-E 101.B04 **230** R32	Z019092 **4.967,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWB-M-E 101.B06 **230** R32	–	Z019093 **5.179,–** A++	–	–	–	–	Part no. **Euro** Energy
AWB-M-E 101.B08 **230** R32	–	–	Z019094 **5.384,–** A++	–	–	–	Part no. **Euro** Energy
AWB-M-E 101.A12 **230** R410A	–	–	–	Z014654 **6.893,–** A+	–	–	Part no. **Euro** Energy
AWB-M-E 101.A14 **230** R410A	–	–	–	–	Z014655 **7.066,–** A+	–	Part no. **Euro** Energy
AWB-M-E 101.A16 **230** R410A	–	–	–	–	–	Z014656 **7.352,–** A+	Part no. **Euro** Energy
Specification							
Coefficient of performance (COP) at A7	5.1	4.9	4.7	4.7	4.7	4.5	
Coefficient of performance (COP) at A2	3.8	3.5	3.6	3.4	3.5	3.4	
Heating output range at A7	1.8 - 6.0	3.0 - 7.7	4.7 - 12.0	6.1 - 13.0	7.0 - 15.0	7.5 - 17.1	kW
Heating output range at A2	1.3 - 4.5	2.0 - 5.0	3.6 - 9.0	4.2 - 10.3	4.6 - 11.0	5.0 - 11.6	kW
Flow temperature	58	58	58	55	55	55	°C
Sound power level	62	62	64	64	64	64	dB(A)
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	880	880	880	880	880	880	mm
Indoor unit length	370	370	370	370	370	370	mm
Indoor unit weight	45	45	45	48	48	48	kg
Outdoor unit width	975	975	980	900	900	900	mm
Outdoor unit height	702	702	790	1345	1345	1345	mm
Outdoor unit length	344	344	360	342	342	342	mm
Outdoor unit weight	59	59	80	107	107	107	kg
Dimensions of hot gas line	12	12	12	16	16	16	Ø mm
Dimensions of liquid line	6	6	6	10	10	10	Ø mm
Rated heating output A2/W35	3.6	4.5	6.0	7.9	8.5	9.2	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	4	4	7	9	11	12	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,4	4,9	3,9	4	4,1	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

VITOCAL 100-S

Air source heat pumps, split version
Vitocal 100-S, type AWB-E 101.A
Heating and integral instantaneous heating water heater

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Viessmann Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.5

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Diaphragm expansion vessel (10 litres)
- Flow switch
- Wall mounting bracket

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled, sound-insulated compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A bus cable for connecting the outdoor and indoor units must be added to the order; see Accessories.

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	Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 11.5 9.0	 13.5 9.8	 15.7 10.6		MG W2
	AWB-E 101.A12 **400** R410A	Z014657 **7.077,–** A+	–	–		Part no. **Euro** Energy
	AWB-E 101.A14 **400** R410A	–	Z014658 **7.351,–** A+	–		Part no. **Euro** Energy
	AWB-E 101.A16 **400** R410A	–	–	Z014659 **7.643,–** A+		Part no. **Euro** Energy

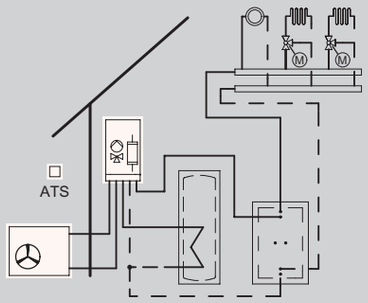
Specification					
Coefficient of performance (COP) at A7	4.5	4.5	4.4		
Coefficient of performance (COP) at A2	3.3	3.3	3.3		
Heating output range at A7	6.0 - 13.0	6.8 - 15.0	7.6 - 16.7		kW
Heating output range at A2	5.5 - 10.0	5.7 - 10.5	5.9 - 11.0		kW
Flow temperature	55	55	55		°C
Sound power level	64	64	64		dB(A)
Indoor unit width	450	450	450		mm
Indoor unit height	880	880	880		mm
Indoor unit length	370	370	370		mm
Indoor unit weight	48	48	48		kg
Outdoor unit width	900	900	900		mm
Outdoor unit height	1345	1345	1345		mm
Outdoor unit length	342	342	342		mm
Outdoor unit weight	114	114	114		kg
Dimensions of hot gas line	16	16	16		Ø mm
Dimensions of liquid line	10	10	10		Ø mm
Rated heating output A2/W35	7.4	8.4	9.5		kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	9	10	11		kW
COPd + 7 °C by medium temperature use, medium climate conditions	3,7	3,8	3,7		

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

VITOCAL 100-S

Air source heat pumps, split version
Vitocal 100-S, type AWB-M-E-AC 101.A/B
Heating, cooling and integral instantaneous heating water heater

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Viessmann Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, cooling circuit, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

6.5

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Diaphragm expansion vessel (10 litres)
- Flow switch
- Wall mounting bracket

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled, sound-insulated compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A bus cable for connecting the outdoor and indoor units must be added to the order; see Accessories.

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Air source heat pumps, split version
Vitocal 100-S, type AWB-M-E-AC 101.A/B
Heating, cooling and integral instantaneous heating water heater

Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	MG W2
AWB-M-E-AC 101.B04 **230** R32	Z019095 **5.080,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWB-M-E-AC 101.B06 **230** R32	–	Z019096 **5.292,–** A++	–	–	–	–	Part no. **Euro** Energy
AWB-M-E-AC 101.B08 **230** R32	–	–	Z019097 **5.497,–** A++	–	–	–	Part no. **Euro** Energy
AWB-M-E-AC 101.A12 **230** R410A	–	–	–	Z014660 **7.007,–** A+	–	–	Part no. **Euro** Energy
AWB-M-E-AC 101.A14 **230** R410A	–	–	–	–	Z014661 **7.180,–** A+	–	Part no. **Euro** Energy
AWB-M-E-AC 101.A16 **230** R410A	–	–	–	–	–	Z014662 **7.466,–** A+	Part no. **Euro** Energy
Specification							
Coefficient of performance (COP) at A7	5.1	4.9	4.7	4.7	4.7	4.5	
Coefficient of performance (COP) at A2	3.8	3.7	3.6	3.4	3.5	3.4	
Heating output range at A7	1.8 - 6.0	3.0 - 7.7	4.7 - 12.0	6.1 - 13.0	7.0 - 15.0	7.5 - 17.1	kW
Heating output range at A2	1.3 - 4.5	2.0 - 5.0	3.6 - 9.0	4.2 - 10.3	4.6 - 11.0	5.0 - 11.6	kW
Cooling capacity	4.0	5.5	7.0	8.1	9.0	9.5	kW
Energy efficiency ratio (EER)	5.7	5.2	4.7	4.0	3.8	3.7	
Cooling capacity range A35/ W18 °C	3.5 - 5.7	3.5 - 7.0	3.6 - 10.0	6.0 - 13.8	6.3 - 14.7	6.5 - 15.6	
Flow temperature	58	58	58	55	55	55	°C
Sound power level	62	62	64	64	64	64	dB(A)
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	880	880	880	880	880	880	mm
Indoor unit length	370	370	370	370	370	370	mm
Indoor unit weight	45	45	45	48	48	48	kg
Outdoor unit width	975	975	980	900	900	900	mm
Outdoor unit height	702	702	790	1345	1345	1345	mm
Outdoor unit length	344	344	360	342	342	342	mm
Outdoor unit weight	59	59	80	107	107	107	kg
Dimensions of hot gas line	12	12	12	16	16	16	Ø mm
Dimensions of liquid line	6	6	6	10	10	10	Ø mm
Rated heating output A2/W35	3.6	4.5	6.0	7.9	8.5	9.2	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	4	4	7	9	11	12	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,4	4,9	3,9	4,0	4,1	

6.5

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.
Cooling capacity and EER at operating point A35/W18 to EN 14511.
Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

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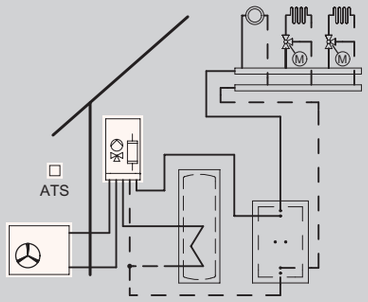
VITOCAL 100-S

Air source heat pumps, split version
Vitocal 100-S, type AWB-E-AC 101.A
Heating, cooling and integral instantaneous heating water heater

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Viessmann Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, cooling circuit, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.5

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Diaphragm expansion vessel (10 litres)
- Flow switch
- Wall mounting bracket

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled, sound-insulated compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A bus cable for connecting the outdoor and indoor units must be added to the order; see Accessories.

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Air source heat pumps, split version
Vitocal 100-S, type AWB-E-AC 101.A
Heating, cooling and integral instantaneous heating water heater

Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 11.5 9.0	 13.5 9.8	 15.7 10.6		MG W2
AWB-E-AC 101.A12 **400** R410A	Z014663 **7.191,–** A+	–	–		Part no. **Euro** Energy
AWB-E-AC 101.A14 **400** R410A	–	Z014664 **7.465,–** A+	–		Part no. **Euro** Energy
AWB-E-AC 101.A16 **400** R410A	–	–	Z014665 **7.757,–** A+		Part no. **Euro** Energy

Specification					
Coefficient of performance (COP) at A7	4.5	4.5	4.4		
Coefficient of performance (COP) at A2	3.3	3.3	3.3		
Heating output range at A7	6.0 - 13.0	6.8 - 15.0	7.6 - 16.7		kW
Heating output range at A2	5.5 - 10.0	5.7 - 10.5	5.9 - 11.0		kW
Cooling capacity	7.9	8.9	9.3		kW
Energy efficiency ratio (EER)	3.8	3.6	3.6		
Cooling capacity range A35/ W18 °C	4.7 - 14.8	5.0 - 16.0	5.3 - 17.0		
Flow temperature	55	55	55		°C
Sound power level	64	64	64		dB(A)
Indoor unit width	450	450	450		mm
Indoor unit height	880	880	880		mm
Indoor unit length	370	370	370		mm
Indoor unit weight	48	48	48		kg
Outdoor unit width	900	900	900		mm
Outdoor unit height	1345	1345	1345		mm
Outdoor unit length	342	342	342		mm
Outdoor unit weight	114	114	114		kg
Dimensions of hot gas line	16	16	16		Ø mm
Dimensions of liquid line	10	10	10		Ø mm
Rated heating output A2/W35	7.4	8.4	9.5		kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	9	10	11		kW
COPd + 7 °C by medium temperature use, medium climate conditions	3,7	3,8	3,7		

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.
Cooling capacity and EER at operating point A35/W18 to EN 14511.
Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

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Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

Energy Management Systems

Viessmann Energy Management
Viessmann heat pumps available from November 2017 and Vitocharge VX3 are compatible with the Viessmann Energy Management System. This enables balanced operation of those components in the building that generate, consume or store power. The focus is on optimised self-consumption of self-generated photovoltaic power. The information is available live and also in the history for up to 2 years. The ViCare app shows how much CO_2 is saved by the system.

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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Accessories

Ventilation units

Vitovent mechanical ventilation systems
Mechanical ventilation systems with heat recovery in wall mounted, ceiling mounted or floorstanding designs.
- Max. flow rates up to 600 m³/h
- Max. residential units up to 750 m²

Compatible Vitovent ventilation units can be operated via the heat pump control unit.

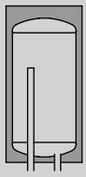
►For ventilation units and accessories, see Register 5

Vitocell 100-W

MG WH

Vitocell 100-W, Vitopearlwhite
- For storing heating water in conjunction with heat pumps with up to 17 kW heating output, including overflow valve (R1)
- For ensuring the minimum system volume (defrost energy)
- With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket

For systems with the following operating data:
- Heating water flow temperature up to 95 °C
- Operating pressure on the heating water side up to 3 bar (0.3 MPa)



Z017685
716,–
B

Part no.
Euro
Energy

► *For heating water buffer cylinders, see Register 10.*

Accessories

MG WX

3-way diverter valve
For installation in the return in cascade applications.

ZK02928
204,–

Part no.
Euro

Instantaneous heating water heater
For retrofitting in the indoor unit. For types without factory-installed instantaneous heating water heater.
- 3-stage heating output 3, 6 and 9 kW

ZK02936
305,–

Part no.
Euro

Heating circuit

MG WX

Ball valve with filter (G 1¼)
Ball valve with integral stainless steel water filter.
For installation in the heating water return, to protect the condenser against contamination.

ZK03206
90,–

Part no.
Euro

Filters and magnetite separators

MG VC

Heating filter with magnetite separation (backwashing)
- Rotating connection flange for horizontal and vertical installation
- Filter element made of stainless steel
- Easy to backwash for cleaning the filter element and magnet
- Replaceable filter element
- Manual backwashing and maintenance display
- Mesh size 100 µm
- Permiss. operating pressure 10 bar
- Permiss. operating temperature 110 °C
- Connection size Rp 1

7266384
294,–

Part no.
Euro

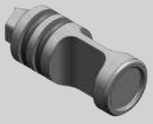
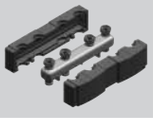
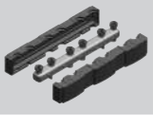
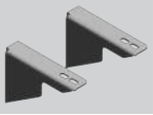
6.5

Accessories

Heating circuit

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor with mixer (as a set) ■ Variable speed high efficiency circulation pump (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.*				
Divicon heating circuit distributor assembly with mixer-3 ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting cable to mixer PCB (3,5 m long)	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor assembly without mixer ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting cable (3.5 m long)	Z008952 **735,–**	Z008953 **753,–**	**–**	Part no. **Euro**
Divicon heating circuit distributor assembly without mixer ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting cable (3.5 m long)	**–**		ZK01828 **794,–**	Part no. **Euro**

Divicon accessories

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site) 	7465439 **60,–**			Part no. **Euro**

Note!

- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

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Accessories

Heating circuit control unit extension

Connection to heating circuit (nominal diameter)

DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
	7441998		Part no.
	460,–		**Euro**

Mixer extension kit
For one heating circuit with mixer, fully wired

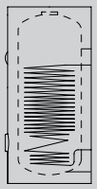
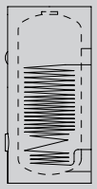
- Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug
- Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug
- Plug for heating circuit pump

For the 1st heating circuit with mixer (M2) and for integrating an external heat generator; activated directly by the Vitotronic 200.

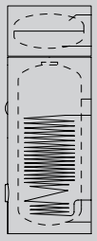
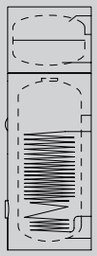
6.5

DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation 	Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation 	–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V DHW cylinder, type CVWC and Vitocell 100-E buffer cylinder, type MSCA ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header* 	Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V DHW cylinder, type CVWC and Vitocell 100-E buffer cylinder, type MSCA ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.* 	Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Immersion heater Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	–	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z021939 **825,–**			Part no. **Euro**

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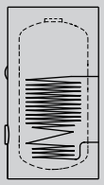
DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V Cylinder capacity (litres)	390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be fitted. 	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater Cylinder capacity (litres)	390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m3) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z026669 **827,–**		Part no. **Euro**

Accessories Cylinder capacity (litres)	390	500	
Solar heat exchanger set For the connection of solar collectors to the Vitocell 100-V/100-W ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation	7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**		Part no. **Euro** MG W
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**		Part no. **Euro** MG W

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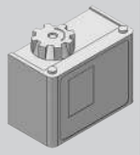
Cooling accessories
For types AWB-M-E-AC/AWB-E-AC

Cooling

		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with only one direct heating/cooling circuit without buffer cylinder.	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.	7452646 **523,–**	Part no. **Euro**
Frost stat Safety switch for heat pump frost protection Temperature limit adjustable from -25 to 15 °C 	7179164 **170,–**	Part no. **Euro**
High efficiency circulation pump Wilo Yonos PICO plus 30/1-6 Connection Rp 1¼ Installed length 180 mm Nominal pressure 6 bar	7783570 **673,–**	Part no. **Euro**

Note!
An extension is required for the cooling circuit with mixer:
■ Mixer extension kit (mixer mounting) part no. ZK02940
■ Mixer extension kit (wall mounting) part no. ZK02941
■ Mixer extension kit part no. 7441998
See also Register 11.7.

Accessories

		MG WX
Return distribution set (for type PBS) ■ 3-way diverter valve G 1 (male) for external installation. ■ For temperature-dependent stratification of the return in the heating water buffer cylinder. *For the bypass circuit of the heating water buffer cylinder in cooling mode.* *2 pce required.*	ZK01343 **392,–**	Part no. **Euro**
Return distribution set (for types PBM and PBL) ■ 3-way diverter valve G 1½ (male) for external installation. ■ For temperature-dependent stratification of the return in the heating water buffer cylinder. *For the bypass circuit of the heating water buffer cylinder in cooling mode.* *2 pce required.*	ZK01344 **455,–**	Part no. **Euro**

Sensors

		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.	7426463 **110,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting To capture the room temperature when cooling via a **separate** cooling circuit.	7438537 **87,–**	Part no. **Euro**

6.5

Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 10 x 1 mm ■ 25 m coil Liquid line	7249273 **572,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 3/8" x 0.8 mm ■ 50 m coil Liquid line	7441109 **692,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive. To cover uninsulated components and joints.		7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white		7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.			

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Accessories		
Connecting elements		MG WU
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249276 **68,–**	Part no. **Euro**
Connector 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce.	7249278 **88,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249279 **136,–**	Part no. **Euro**
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249280 **33,–**	Part no. **Euro**
Flanged union nut 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce.	7249282 **40,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance.		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249285 **176,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce. Spare seal rings for Euro flanged adaptors.	7249289 **7,70**	Part no. **Euro**
Copper seal ring 5/8 10 pce. Spare seal rings for Euro flanged adaptors.	7249290 **8,70**	Part no. **Euro**

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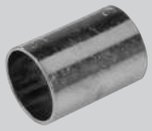
Accessories		
Connecting elements		MG WU
Copper seal ring 3/4 10 pce. Spare seal rings for Euro flanged adaptors.	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce. Spare seal rings for Euro flanged adaptors.	7441119 **10,–**	Part no. **Euro**
Solder ring fittings For connecting copper pipes. 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 10 mm 10 pce	7249277 **9,80**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 5/8" 10 pce	7441124 **8,60**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Bracket for floorstanding installation of outdoor unit ■ Made of aluminium profiles, height 300 mm, length 630 mm ■ For positioning on level ground ■ 2 pce *For types 101.B04/B06/B08*	7441142 **144,–**	Part no. **Euro**
Bracket for floorstanding installation of outdoor unit Made from aluminium profiles, height 300 mm, length 630 mm. For siting on level ground. 2 pce. *For types 101.A12/A14/A16*	ZK02667 **161,–**	Part no. **Euro**

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Accessories		
Brackets for outdoor unit		MG WX
Bracket set for mounting the outdoor unit on a wall ■ For wall mounting ■ Made of zinc-plated steel profiles, height 520 mm, length 600 mm ■ With anti-vibration mounts to counteract structure-borne noise transmission from the outdoor unit 	7172386 **305,–**	Part no. **Euro**
Installation sets		MG WX
Installation set for mounting the outdoor unit on a wall ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 x 3 mm, colour: white. *For types 101.B04/B06/B08*	ZK05267 **1.023,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm, colour: white *For types 101.A12/A14/A16*	ZK00703 **1.248,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types 101.B04/B06/B08*	ZK05268 **850,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types 101.A12/A14/A16*	ZK00705 **993,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm, colour: white *For types 101.B04/B06/B08*	ZK00290 **862,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types 101.B04/B06/B08*	ZK00292 **689,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 x 3 mm, colour: white. *For types 101.A12/A14/A16*	ZK02670 **1.104,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1.0 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 x 3 mm, colour: white. *For types 101.A12/A14/A16*	ZK02671 **849,–**	Part no. **Euro**

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Accessories		
Miscellaneous		MG WX
Sealant To seal the wall outlets of refrigerant lines.	7441145 **73,–**	Part no. **Euro**
Foam tape Roll, 5 m long.	7441146 **21,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

Accessories		
Electrical connection		MG WX
Bus cable, length 15 m Fully wired bus cable between the outdoor and indoor unit.	ZK02668 **37,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired bus cable between the outdoor and indoor unit.	ZK02669 **63,–**	Part no. **Euro**

Note!
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

Photovoltaics			MG WX
1-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management.*		7506156 **436,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management.*		7506157 **711,–**	Part no. **Euro**

Note!
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 6.9, Control unit accessories (remote controls, sensors, etc.)

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VITOCAL 111-S

Air source heat pumps
Compact appliances, split version
1.3 to 11.6 kW (A2/W35)
1.8 to 17.1 kW (A7/W35)

Vitocal 111-S

Up to a flow temperature of 58 °C, 4-8 kW

Type AWBT(-M)-E 111.A/B
- Compact heat pump in split design for room heating and DHW heating in heating systems.
- DHW cylinder with 220 litre capacity.
- High efficiency circulation pump for the heating circuit, 3-way diverter valve
- Instantaneous heating water heater integrated

Type AWBT(-M)-E-AC 111.A/B
Equipment level as per type AWBT(-M)-E 111.A/B plus active cooling function

Permissible operating pressure:
- **Heating water 3 bar (0.3 MPa)**
- **DHW 10 bar (1 MPa)**

Colour of indoor/outdoor unit: Vitopearlwhite/white

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.1 (A7/W35) and 3.8 (A2/W35).
- Output control and DC inverter for high efficiency in partial load operation.
- Compact indoor unit with 220 litre DHW cylinder, high efficiency circulation pump, condenser, 3-way diverter valve, safety assembly, expansion vessel and control unit; integral instantaneous heating water heater for the E versions.
- Easy to operate Vitotronic control unit with plain text and graphic display.
- Optimised utilisation of self-generated power from photovoltaic systems.
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps.

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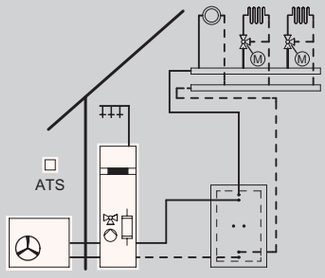
VITOCAL 111-S

Compact heat pumps, split version
Vitocal 111-S, type AWBT-M-E 111.A/111.B
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, optimisation of self-consumption and swimming pool heating (see Accessories).

6.6

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Expansion vessel (10 litres)
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow switch
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A hydraulic connection set and a bus cable **must** be added to the order to install the appliances; see Accessories.

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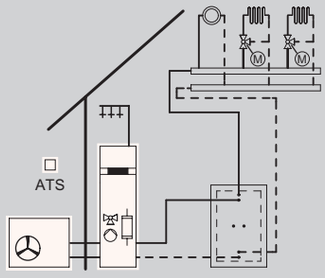
Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	MG W2
AWBT-M-E 111.B04 **230** R32	Z019110 **6.255,–** A++ A+	–	–	–	–	–	Part no. **Euro**
AWBT-M-E 111.B06 **230** R32	–	Z019111 **6.467,–** A++ A+	–	–	–	–	Part no. **Euro**
AWBT-M-E 111.B08 **230** R32	–	–	Z019112 **6.672,–** A++ A+	–	–	–	Part no. **Euro**
AWBT-M-E 111.A12 **230** R410A	–	–	–	Z016978 **8.402,–** A+ A	–	–	Part no. **Euro**
AWBT-M-E 111.A14 **230** R410A	–	–	–	–	Z016979 **8.575,–** A+ A	–	Part no. **Euro**
AWBT-M-E 111.A16 **230** R410A	–	–	–	–	–	Z016980 **8.861,–** A+ A	Part no. **Euro**
Specification							
Coefficient of performance (COP) at A7	5.1	4.9	4.7	4.7	4.7	4.5	
Coefficient of performance (COP) at A2	3.8	3.5	3.6	3.4	3.5	3.4	
Heating output range at A7	1.8 - 6.0	3.0 - 7.7	4.7 - 12.0	6.1 - 13.0	7.0 - 15.0	7.5 - 17.1	kW
Heating output range at A2	1.3 - 4.5	2.0 - 5.0	3.6 - 9.0	4.2 - 10.3	4.6 - 11.0	5.0 - 11.6	kW
Flow temperature	58	58	58	55	55	55	°C
Sound power level	62	62	64	64	64	64	dB(A)
Cylinder capacity	220	220	220	220	220	220	l
Indoor unit width	600	600	600	600	600	600	mm
Indoor unit height	1874	1874	1874	1874	1874	1874	mm
Indoor unit length	681	681	681	681	681	681	mm
Indoor unit weight	168	168	168	171	171	171	kg
Outdoor unit width	975	975	980	900	900	900	mm
Outdoor unit height	702	702	790	1345	1345	1345	mm
Outdoor unit length	344	344	360	342	342	342	mm
Outdoor unit weight	59	59	80	107	107	107	kg
Dimensions of hot gas line	12	12	12	16	16	16	Ø mm
Dimensions of liquid line	6	6	6	10	10	10	Ø mm
Rated heating output A2/W35	3.6	4.5	6.0	7.9	8.5	9.2	kW

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

VITOCAL 111-S

Compact heat pumps, split version
Vitocal 111-S, type AWBT-E 111.A
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, optimisation of self-consumption and swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.6

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Expansion vessel (10 litres)
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow switch
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A hydraulic connection set and a bus cable **must** be added to the order to install the appliances; see Accessories.

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Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 11.5 9.0	 13.5 9.9	 15.7 10.6		MG W2
AWBT-E 111.A12 **400** R410A	Z016981 **8.586,–** A+ A	–	–		Part no. **Euro**
AWBT-E 111.A14 **400** R410A	–	Z016982 **8.860,–** A+ A	–		Part no. **Euro**
AWBT-E 111.A16 **400** R410A	–	–	Z016983 **9.152,–** A+ A		Part no. **Euro**
Specification					
Coefficient of performance (COP) at A7	4.5	4.5	4.4		
Coefficient of performance (COP) at A2	3.3	3.3	3.3		
Heating output range at A7	6.0 - 13.0	6.8 - 15.0	7.6 - 16.7		kW
Heating output range at A2	5.5 - 10.0	5.7 - 10.5	5.9 - 11.0		kW
Flow temperature	55	55	55		°C
Sound power level	64	64	64		dB(A)
Cylinder capacity	220	220	220		l
Indoor unit width	600	600	600		mm
Indoor unit height	1874	1874	1874		mm
Indoor unit length	681	681	681		mm
Indoor unit weight	171	171	171		kg
Outdoor unit width	900	900	900		mm
Outdoor unit height	1345	1345	1345		mm
Outdoor unit length	342	342	342		mm
Outdoor unit weight	114	114	114		kg
Dimensions of hot gas line	16	16	16		Ø mm
Dimensions of liquid line	10	10	10		Ø mm
Rated heating output A2/W35	7.4	8.4	9.5		kW

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

VITOCAL 111-S

Further specifications
Vitocal 111-S, type AWBT-M-E 111.A/B and type AWBT-E 111.A
Heating

Specification	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)									
	4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	11.5 9.0	13.5 9.9	15.7 10.6	
Type	AWBT-M-E 111.B04	AWBT-M-E 111.B06	AWBT-M-E 111.B08	AWBT-M-E 111.A12	AWBT-M-E 111.A14	AWBT-M-E 111.A16	AWBT-E 111.A12	AWBT-E 111.A14	AWBT-E 111.A16	
Indoor unit width	600	600	600	600	600	600	600	600	600	mm
Indoor unit height	1874	1874	1874	1874	1874	1874	1874	1874	1874	mm
Indoor unit length	681	681	681	681	681	681	681	681	681	mm
Indoor unit weight	168	168	168	171	171	171	171	171	171	kg
Outdoor unit width	975	975	980	900	900	900	900	900	900	mm
Outdoor unit height	702	702	790	1345	1345	1345	1345	1345	1345	mm
Outdoor unit length	344	344	360	342	342	342	342	342	342	mm
Outdoor unit weight	59	59	80	107	107	107	114	114	114	kg
Dimensions of hot gas line	12	12	12	16	16	16	16	16	16	Ø mm
Dimensions of liquid line	6	6	6	10	10	10	10	10	10	Ø mm
Nominal heat output, medium temperature use medium climate conditions (Prated)	4	4	7	9	11	12	9	10	11	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,4	4,9	3,9	4,0	4,1	3,7	3,8	3,7	

6.6

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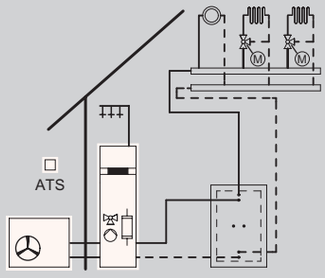
VITOCAL 111-S

Compact heat pumps, split version
Vitocal 111-S, type AWBT-M-E-AC 111.A/111.B
Heating and cooling

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, cooling control function, optimisation of self-consumption and swimming pool heating (see Accessories).

6.6

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Expansion vessel (10 litres)
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow switch
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A hydraulic connection set and a bus cable **must** be added to the order to install the appliances; see Accessories.

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Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)						MG W2
	4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	
AWBT-M-E-AC 111.B04 **230** R32	Z019113 **6.663,–** A++ A+	–	–	–	–	–	Part no. **Euro**
AWBT-M-E-AC 111.B06 **230** R32	–	Z019114 **6.875,–** A++ A+	–	–	–	–	Part no. **Euro**
AWBT-M-E-AC 111.B08 **230** R32	–	–	Z019115 **7.080,–** A++ A+	–	–	–	Part no. **Euro**
AWBT-M-E-AC 111.A12 **230** R410A	–	–	–	Z016987 **8.819,–** A+ A+	–	–	Part no. **Euro**
AWBT-M-E-AC 111.A14 **230** R410A	–	–	–	–	Z016988 **8.992,–** A+ A+	–	Part no. **Euro**
AWBT-M-E-AC 111.A16 **230** R410A	–	–	–	–	–	Z016989 **9.278,–** A+ A+	Part no. **Euro**

Specification							
Coefficient of performance (COP) at A7	5.1	4.9	4.7	4.7	4.7	4.5	
Coefficient of performance (COP) at A2	3.8	3.5	3.6	3.4	3.5	3.4	
Heating output range at A7	1.8 - 6.0	3.0 - 7.7	4.7 - 12.0	6.1 - 13.0	7.0 - 15.0	7.5 - 17.1	kW
Heating output range at A2	1.3 - 4.5	2.0 - 5.0	3.6 - 9.0	4.2 - 10.3	4.6 - 11.0	5.0 - 11.6	kW
Flow temperature	58	58	58	55	55	55	°C
Sound power level	62	62	64	64	64	64	dB(A)
Cylinder capacity	220	220	220	220	220	220	l
Cooling capacity	4.0	5.5	7.0	8.1	9.0	9.5	kW
Energy efficiency ratio (EER)	5.7	5.2	4.7	4.0	3.8	3.7	
Cooling capacity range	3.5 - 5.7	3.5 - 7.0	3.6 - 10.0	6.0 - 13.8	6.3 - 14.7	6.5 - 15.6	kW
Rated heating output A2/W35	3.6	4.5	6.0	7.9	8.5	9.2	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	4	4	7	9	11	12	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,4	4,9	3,9	4,0	4,1	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

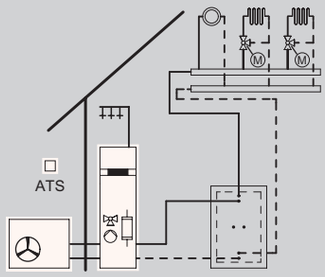
Cooling capacity and EER at operating point A35/W18 to EN 14511.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

►Dimensions and weights: see "Further specifications".

VITOCAL 111-S

Compact heat pumps, split version
Vitocal 111-S, type AWBT-E-AC 111.A
Heating and cooling

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral heat meter Extensions are required for the heating circuits with mixer, cooling control function, optimisation of self-consumption and swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.6

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Expansion vessel (10 litres)
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow switch
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- B08: Connection set for connection to the back of the outdoor unit
- Factory-filled with refrigerant (R32/R410A), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, coated evaporator, condensate pan heater and fan

Note!
A hydraulic connection set and a bus cable **must** be added to the order to install the appliances; see Accessories.

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	Type Volt Refrigerant	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 11.5 9.0	13.5 9.8	15.7 10.6		MG W2
	AWBT-E-AC 111.A12 **400** R410A	Z016990 **9.003,–** A+ A+	–	–		Part no. **Euro**
	AWBT-E-AC 111.A14 **400** R410A	–	Z016991 **9.277,–** A+ A+	–		Part no. **Euro**
	AWBT-E-AC 111.A16 **400** R410A	–	–	Z016992 **9.569,–** A+ A+		Part no. **Euro**
	Specification					
	Coefficient of performance (COP) at A7	4.5	4.5	4.4		
	Coefficient of performance (COP) at A2	3.3	3.3	3.3		
	Heating output range at A7	6.0 - 13.0	6.8 - 15.0	7.6 - 16.7		kW
	Heating output range at A2	5.5 - 10.0	5.7 - 10.5	5.9 - 11.0		kW
	Flow temperature	55	55	55		°C
	Sound power level	64	64	64		dB(A)
	Cylinder capacity	220	220	220		l
	Cooling capacity	7.9	8.9	9.3		kW
	Energy efficiency ratio (EER)	3.8	3.6	3.6		
	Cooling capacity range	4.7 - 14.8	5.0 - 16.0	5.3 - 17.0		kW
	Rated heating output A2/W35	7.4	8.4	9.5		kW
	Nominal heat output, medium temperature use medium climate conditions (Prated)	9	10	11		kW
	COPd + 7 °C by medium temperature use, medium climate conditions	3,7	3,8	3,7		

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.

Cooling capacity and EER at operating point A35/W18 to EN 14511.

Total sound power level measurement at nominal point with reference to DIN EN ISO 12102 / DIN EN ISO 9614-2.

►Dimensions and weights: see "Further specifications".

VITOCAL 111-S

Further specifications
Vitocal 111-S, types AWBT-M-E-AC 111.A/111.B and AWBT-E-AC 111.A
Heating and cooling

Specification	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)									
	4.1 4.0	6.0 4.4	8.1 6.0	11.5 9.0	13.5 10.3	15.5 11.4	11.5 9.0	13.5 9.8	15.7 10.6	
Type	AWBT-M-E-AC 111.B04	AWBT-M-E-AC 111.B06	AWBT-M-E-AC 111.B08	AWBT-M-E-AC 111.A12	AWBT-M-E-AC 111.A14	AWBT-M-E-AC 111.A16	AWBT-E-AC 111.A12	AWBT-E-AC 111.A14	AWBT-E-AC 111.A16	
Indoor unit width	600	600	600	600	600	600	600	600	600	mm
Indoor unit height	1874	1874	1874	1874	1874	1874	1874	1874	1874	mm
Indoor unit length	681	681	681	681	681	681	681	681	681	mm
Indoor unit weight	168	168	168	171	171	171	171	171	171	kg
Outdoor unit width	975	975	980	900	900	900	900	900	900	mm
Outdoor unit height	702	702	790	1345	1345	1345	1345	1345	1345	mm
Outdoor unit length	344	344	360	342	342	342	342	342	342	mm
Outdoor unit weight	59	59	80	107	107	107	114	114	114	kg
Dimensions of hot gas line	12	12	12	16	16	16	16	16	16	Ø mm
Dimensions of liquid line	6	6	6	10	10	10	10	10	10	Ø mm

6.6

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Accessories

Ventilation units

Vitovent mechanical ventilation systems
Mechanical ventilation systems with heat recovery in wall mounted, ceiling mounted or floorstanding designs.
- Max. flow rates up to 600 m³/h
- Max. residential units up to 750 m²

Compatible Vitovent ventilation units can be operated via the heat pump control unit.

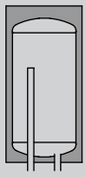
►For ventilation units and accessories, see Register 5

Vitocell 100-W

MG WH

Vitocell 100-W, Vitopearlwhite
- For storing heating water in conjunction with heat pumps with up to 17 kW heating output, including overflow valve (R1)
- For ensuring the minimum system volume (defrost energy)
- With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket

For systems with the following operating data:
- Heating water flow temperature up to 95 °C
- Operating pressure on the heating water side up to 3 bar (0.3 MPa)



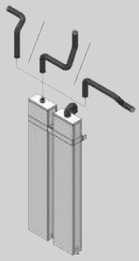
Z017685
716,–
B

Part no.
Euro
Energy

Vitocell 100-E

MG WH

Vitocell 100-E, type SVPA
For storing heating water in conjunction with compact heat pumps. For ensuring the minimum system volume (defrost energy)
- For installation at the back of the compact appliance
- Thermally insulated
- 40 litre capacity
- Colour: black
- Overflow valve



ZK03801
763,–
B

Part no.
Euro
Energy
MG WX

Vitocell 100-E, type MSCA
- For storing heating water/cooling water in conjunction with heat pumps
- With rigid PUR foam thermal insulation
- 50 litre capacity
- Colour: Vitopearlwhite

Z026457
583,–
A

Part no.
Euro
Energy

Vitocell 100-E, type MSCA
- For storing heating water/cooling water in conjunction with heat pumps
- With rigid PUR foam thermal insulation
- 75 litre capacity
- Colour: Vitopearlwhite

Z026458
742,–
B

Part no.
Euro
Energy

► *For heating water buffer cylinders, see Register 10.*

Heating circuit

MG WX

Ball valve with filter (G 1¼)
Ball valve with integral stainless steel water filter.
For installation in the heating water return, to protect the condenser against contamination.

ZK03206
90,–

Part no.
Euro

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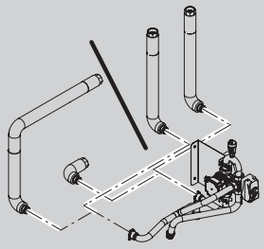
Accessories

Accessories

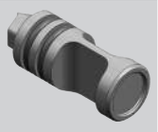
		MG WX
Hydraulic connection set for heating circuit, surface mounting, upward connection ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G ¾ ■ Thermally insulated DHW circulation pipe G ¾	ZK02960 **312,–**	Part no. **Euro**
Hydraulic connection set for heating circuit, surface mounting, connection to left or right ■ Thermally insulated heating water flow and heating water return line G 1¼ with 90° bend ■ Thermally insulated cold water and DHW line G ¾ with 90° bend ■ Thermally insulated DHW circulation pipe G ¾ with 90° bend	ZK02959 **324,–**	Part no. **Euro**
Installation kit with mixer Hydraulic components for direct connection of a heating circuit with mixer to the indoor unit. For systems without heating water buffer cylinder in the secondary circuit flow ■ Heating circuit pump and heating circuit mixer for installation in the indoor unit ■ Thermally insulated heating water flow and heating water return line G 1¼, for integration into the hydraulic connection set ■ Flow temperature sensor ■ Cable harness *To ensure the minimum system volume, a heating water buffer cylinder in the secondary circuit return may be required.* 	ZK02958 **1.402,–**	Part no. **Euro**
Instantaneous heating water heater For retrofitting in the indoor unit. For types without factory-installed instantaneous heating water heater. ■ 3-stage heating output 3, 6 and 9 kW	ZK02936 **305,–**	Part no. **Euro**

Filters and magnetite separators

		MG VC
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1	7266384 **294,–**	Part no. **Euro**

Accessories

Heating circuit Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor for heating circuit A1				
Divicon heating circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/8	**–**		Z024688 **866,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M2				
Divicon heating circuit distributor with mixer (as a set) ■ Heating circuit pump, fully wired (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.* ►See section "Heating circuit control unit extension".				
Divicon heating circuit distributor assembly with mixer-3 ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting cable 3,5 m	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M3				
Divicon heating circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/8	**–**		Z024682 **1.586,–**	Part no. **Euro**

Divicon accessories Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**

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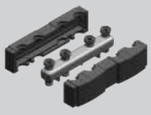
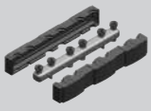
Accessories

Divicon accessories

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

Note!
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

Heating circuit control unit extension

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump For the 1st heating circuit with mixer (M2), activated directly by the Vitotronic 200.		7441998 **460,–**			Part no. **Euro**

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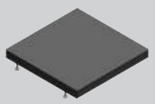
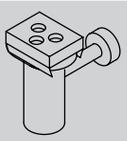
DHW heating accessories

Accessories

		MG W
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**	Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**	Part no. **Euro**

Miscellaneous

		MG WX
Platform for unfinished floors For siting the appliance on unfinished floors. ■ Height-adjustable, for screed heights of 10 to 18 cm ■ Incl. thermal insulation 	7417925 **474,–**	Part no. **Euro**
Drain outlet kit Drain outlet with trap and bezel DN 40. 	7176014 **35,–**	Part no. **Euro** MG W

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Solar accessories

Accessories

MG WX

Solar collectors
Max. connectible collector area
- 4.6 m² Vitosol 100-FM/200-FM
- 3 m² Vitosol 200-TM/300-TM

► **See Register 9.**

Solar heat exchanger set (Divicon)
For connecting solar thermal systems to compact appliances
- Circulation pump
- Connections matched to Solar-Divicon for direct mounting below the Solar-Divicon
- Thermal insulation

ZK05953
1.128,–
Part no.
Euro

Solar-Divicon, type PS 10
With variable speed high efficiency circulation pump for alternating current
Delivery head: 6.0 m at a pump rate of 1000 l/h
With integral SDIO/SM1A electronics module

Z021901
1.239,–
Part no.
Euro

High limit temperature cut-out device for solar thermal system
For installation in the loading cylinder integrated into the heat pump.
- Max. switching point 95 °C

7506168
90,–
Part no.
Euro

Heat transfer medium

MG WX

"Tyfocor LS" heat transfer medium
25 litres in a disposable container.
Ready mixed, down to -28 °C.
Tyfocor LS can be mixed with Tyfocor G-LS.

7159727
206,–
Part no.
Euro

Filling station
- Self-priming impeller pump, 30 litres/min
- Dirt filter (intake side)
- Hose, 0.5 m long (intake side)
- Connection hose, 2.5 m long (2 pce)
- Packing crate (can be used as a flushing tank)

7188625
761,–
Part no.
Euro
MG N

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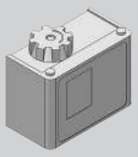
Cooling accessories

Cooling

		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with only one direct heating/cooling circuit without buffer cylinder.	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.	7452646 **523,–**	Part no. **Euro**
Frost stat Safety switch for heat pump frost protection Temperature limit adjustable from -25 to 15 °C 	7179164 **170,–**	Part no. **Euro**
High efficiency circulation pump Wilo Yonos PICO plus 30/1-6 Connection Rp 1¼ Installed length 180 mm Nominal pressure 6 bar	7783570 **673,–**	Part no. **Euro**

Note!
An extension is required for the cooling circuit with mixer:
■ Mixer extension kit (mixer mounting) part no. ZK02940
■ Mixer extension kit (wall mounting) part no. ZK02941
■ Mixer extension kit part no. 7441998
See also Register 6.9.

Accessories

		MG W
Return distribution set (for type PBS) ■ 3-way diverter valve G 1 (male) for external installation. ■ For temperature-dependent stratification of the return in the heating water buffer cylinder. *For the bypass circuit of the heating water buffer cylinder in cooling mode.* *2 pce required.*	ZK01343 **392,–**	Part no. **Euro**
Return distribution set (for types PBM and PBL) ■ 3-way diverter valve G 1½ (male) for external installation. ■ For temperature-dependent stratification of the return in the heating water buffer cylinder. *For the bypass circuit of the heating water buffer cylinder in cooling mode.* *2 pce required.*	ZK01344 **455,–**	Part no. **Euro**

Sensors

		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.	7426463 **110,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting To capture the room temperature when cooling via a **separate** cooling circuit.	7438537 **87,–**	Part no. **Euro**

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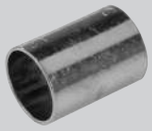
Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 10 x 1 mm ■ 25 m coil Liquid line	7249273 **572,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 3/8" x 0.8 mm ■ 50 m coil Liquid line	7441109 **692,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive. To cover uninsulated components and joints.	7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white	7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.		

Accessories		
Connecting elements		MG WU
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249276 **68,–**	Part no. **Euro**
Connector 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce.	7249278 **88,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249279 **136,–**	Part no. **Euro**
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249280 **33,–**	Part no. **Euro**
Flanged union nut 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce.	7249282 **40,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance.		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249285 **176,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce. Spare seal rings for Euro flanged adaptors.	7249289 **7,70**	Part no. **Euro**
Copper seal ring 5/8 10 pce. Spare seal rings for Euro flanged adaptors.	7249290 **8,70**	Part no. **Euro**

Accessories		
Connecting elements		MG WU
Copper seal ring 3/4 10 pce. Spare seal rings for Euro flanged adaptors.	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce. Spare seal rings for Euro flanged adaptors.	7441119 **10,–**	Part no. **Euro**
Solder ring fittings For connecting copper pipes. 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 10 mm 10 pce	7249277 **9,80**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 5/8" 10 pce	7441124 **8,60**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Bracket for floorstanding installation of outdoor unit ■ Made of aluminium profiles, height 300 mm, length 630 mm ■ For positioning on level ground ■ 2 pce *For types 111.B04/B06/B08*	7441142 **144,–**	Part no. **Euro**
Bracket for floorstanding installation of outdoor unit Made from aluminium profiles, height 300 mm, length 630 mm. For siting on level ground. 2 pce. *For types 111.A12/14/16*	ZK02667 **161,–**	Part no. **Euro**

Accessories		
Brackets for outdoor unit		MG WX
Bracket set for mounting the outdoor unit on a wall ■ For wall mounting ■ Made of zinc-plated steel profiles, height 520 mm, length 600 mm ■ With anti-vibration mounts to counteract structure-borne noise transmission from the outdoor unit 	7172386 **305,–**	Part no. **Euro**
Installation sets		MG WX
Installation set for mounting the outdoor unit on a wall ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 x 3 mm, colour: white. *For types 111.B04/B06/B08*	ZK05267 **1.023,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm, colour: white *For types 111.A12/14/16*	ZK00703 **1.248,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types 111.B04/B06/B08*	ZK05268 **850,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types 111.A12/14/16*	ZK00705 **993,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm, colour: white *For types 111.B04/B06/B08*	ZK00290 **862,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types 111.B04/B06/B08*	ZK00292 **689,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 x 3 mm, colour: white. *For types 111.A12/14/16*	ZK02670 **1.104,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1.0 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 x 3 mm, colour: white. *For types 111.A12/14/16*	ZK02671 **849,–**	Part no. **Euro**

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Accessories		
Miscellaneous		MG WX
Sealant To seal the wall outlets of refrigerant lines.	7441145 **73,–**	Part no. **Euro**
Foam tape Roll, 5 m long.	7441146 **21,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

Accessories		
Electrical connection		MG WX
Bus cable, length 15 m Fully wired bus cable between the outdoor and indoor unit.	ZK02668 **37,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired bus cable between the outdoor and indoor unit.	ZK02669 **63,–**	Part no. **Euro**

Note!
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

Photovoltaics			MG WX
1-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management.*		7506156 **436,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management.*		7506157 **711,–**	Part no. **Euro**

Note!
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 6.9, Control unit accessories (remote controls, sensors, etc.)

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EHPA Quality Label

Heat Pump KEYMARK certified

Vitocal 200-S

Up to 60 °C flow temperature.
Types AWB-M-E 201.D and AWB-E 201.D
Heat pump with electric drive in split design with outdoor and indoor unit. For central heating and DHW heating in heating systems. Indoor unit with Vitotronic 200 heat pump control unit, high efficiency circulation pump for the secondary circuit and 3-way diverter valve. With integral instantaneous heating water heater.

Types AWB-M-E-AC 201.D and AWB-E-AC 201.D
Equipment level as per type AWB-M-E 201.D and AWB-E 201.D plus active cooling function.

Permissible operating pressure: heating water 3 bar (0.3 MPa).
Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitosilver

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.0 at A7/W35 and 4.1 at A2/W35.
- Output control and DC inverter for high efficiency in partial load operation.
- Maximum flow temperature up to 60 °C at -10 °C outside temperature.
- Compact indoor unit with high efficiency circulation pump, condenser, 3-way diverter valve, instantaneous heating water heater, safety assembly and control unit
- Easy to operate Vitotronic control unit with plain text and graphic display.
- Convenient reversible design that enables heating and cooling.
- Optimised utilisation of self-generated power from photovoltaic systems.
- COP-optimised cascade function for up to 5 heat pumps.
- Especially quiet operation thanks to Advanced Acoustic Design (AAD).
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps.

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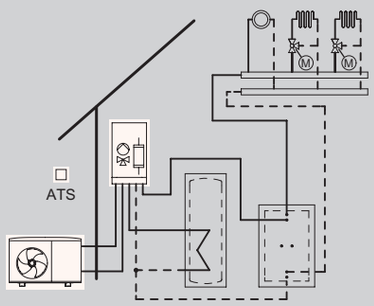
VITOCAL 200-S

Air source heat pumps, split version
Vitocal 200-S, type AWB-M-E 201.D
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

6.7

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Integral safety valve and pressure gauge
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Integral flow rate monitoring
- Wall mounting bracket

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.5	5.6 6.7	7.0 8.7	7.9 9.5	8.6 11.0	MG WS
AWB-M-E 201.D04 **230**	Z015210 **6.212,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWB-M-E 201.D06 **230**	–	Z015211 **6.478,–** A++	–	–	–	–	Part no. **Euro** Energy
AWB-M-E 201.D08 **230**	–	–	Z015212 **6.733,–** A++	–	–	–	Part no. **Euro** Energy
AWB-M-E 201.D10 **230**	–	–	–	Z015213 **9.160,–** A++	–	–	Part no. **Euro** Energy
AWB-M-E 201.D13 **230**	–	–	–	–	Z015214 **9.404,–** A++	–	Part no. **Euro** Energy
AWB-M-E 201.D16 **230**	–	–	–	–	–	Z015215 **10.008,–** A++	Part no. **Euro** Energy

Specification							
Coefficient of performance (COP) at A7	4.6	4.6	4.7	4.7	4.7	4.5	
Coefficient of performance (COP)	3.6	3.7	4.0	4.0	4.0	3.6	
Heating output range at A7	2.4 - 4.2	3.0 - 6.3	3.5 - 7.5	5.5 - 12.6	6.0 - 13.7	6.4 - 14.3	kW
Heating output range at A2	2.0 - 4.1	2.4 - 5.5	2.8 - 7.0	4.4 - 9.6	4.8 - 10.2	5.2 - 10.7	kW
Flow temperature	60	60	60	60	60	60	°C
Sound power level	50	50	50	55	55	55	dB(A)
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	880	880	880	880	880	880	mm
Indoor unit length	370	370	370	370	370	370	mm
Indoor unit weight	44	44	44	45	45	45	kg
Outdoor unit width	1109	1109	1109	1109	1109	1109	mm
Outdoor unit height	753	753	753	1377	1377	1377	mm
Outdoor unit length	546	546	546	546	546	546	mm
Outdoor unit weight	94	94	99	137	137	137	kg
Dimensions of hot gas line	12	12	16	16	16	16	Ø mm
Dimensions of liquid line	6	6	10	10	10	10	Ø mm
Rated heating output A2/W35	2.6	3.1	4.0	5.0	5.9	6.5	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	5	6	6	9	10	11	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,2	4,3	4,2	4,2	4,3	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.
Min./max. output range at operating point A7/W35.
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode.

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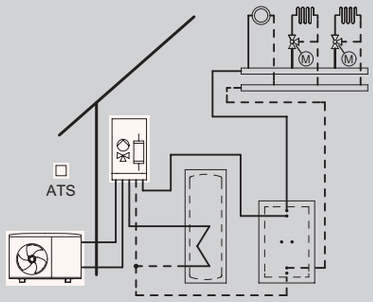
VITOCAL 200-S

Air source heat pumps, split version
Vitocal 200-S, type AWB-E 201.D
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.7

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Integral safety valve and pressure gauge
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Integral flow rate monitoring
- Wall mounting bracket

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.6 10.1	 8.9 10.7	 10.1 11.6	MG WS
AWB-E 201.D10 **400**	Z015216 **9.542,–** A++	–	–	Part no. **Euro** Energy
AWB-E 201.D13 **400**	–	Z015217 **9.789,–** A++	–	Part no. **Euro** Energy
AWB-E 201.D16 **400**	–	–	Z015218 **10.032,–** A++	Part no. **Euro** Energy

Specification				
Coefficient of performance (COP) at A7	5.0	5.0	5.0	
Coefficient of performance (COP)	4.1	4.0	3.9	
Heating output range at A7	5.5 - 12.6	5.9 - 13.7	6.4 - 14.7	kW
Heating output range at A2	4.4 - 10.1	4.8 - 10.6	5.2 - 11.2	kW
Flow temperature	60	60	60	°C
Sound power level	55	55	55	dB(A)
Indoor unit width	450	450	450	mm
Indoor unit height	880	880	880	mm
Indoor unit length	370	370	370	mm
Indoor unit weight	45	45	45	kg
Outdoor unit width	1109	1109	1109	mm
Outdoor unit height	1377	1377	1377	mm
Outdoor unit length	546	546	546	mm
Outdoor unit weight	148	148	148	kg
Dimensions of hot gas line	16	16	16	Ø mm
Dimensions of liquid line	10	10	10	Ø mm
Rated heating output A2/W35	5.9	6.3	7.0	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	10	11	12	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,5	4,5	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.
Min./max. output range at operating point A7/W35.
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode.

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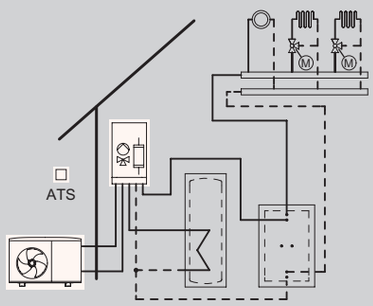
VITOCAL 200-S

Air source heat pumps, split version
Vitocal 200-S, type AWB-M-E-AC 201.D
Heating and cooling

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Hybrid Pro Control for optimum control of the heat pump and an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, cooling circuit, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.7

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Integral safety valve and pressure gauge
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Integral flow rate monitoring
- Wall mounting bracket

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

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Air source heat pumps, split version
Vitocal 200-S, type AWB-M-E-AC 201.D
Heating and cooling

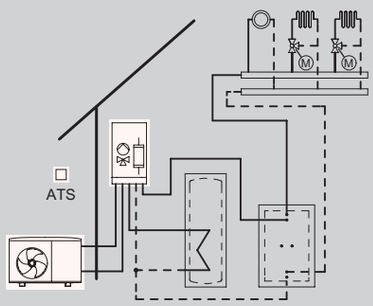
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.5	5.6 6.7	7.0 8.7	7.9 9.5	8.6 11.0	MG WS
AWB-M-E-AC 201.D04 **230**	Z015219 **6.274,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWB-M-E-AC 201.D06 **230**	–	Z015220 **6.540,–** A++	–	–	–	–	Part no. **Euro** Energy
AWB-M-E-AC 201.D08 **230**	–	–	Z015221 **6.795,–** A++	–	–	–	Part no. **Euro** Energy
AWB-M-E-AC 201.D10 **230**	–	–	–	Z015222 **9.234,–** A++	–	–	Part no. **Euro** Energy
AWB-M-E-AC 201.D13 **230**	–	–	–	–	Z015223 **9.478,–** A++	–	Part no. **Euro** Energy
AWB-M-E-AC 201.D16 **230**	–	–	–	–	–	Z015224 **10.082,–** A++	Part no. **Euro** Energy

Specification							
Coefficient of performance (COP) at A7	4.6	4.6	4.7	4.7	4.7	4.5	
Coefficient of performance (COP)	3.6	3.7	4.0	4.0	4.0	4.5	
Heating output range at A7	2.4 - 4.2	3.0 - 6.3	3.5 - 7.5	5.5 - 12.6	6.0 - 13.7	6.4 - 14.3	kW
Heating output range at A2	2.0 - 4.1	2.4 - 5.5	2.8 - 7.0	4.4 - 9.6	4.8 - 10.2	5.2 - 10.7	kW
Flow temperature	60	60	60	60	60	60	°C
Sound power level	50	50	50	55	55	55	dB(A)
Cooling capacity	4.0	5.0	6.0	7.0	8.2	9.2	kW
Energy efficiency ratio (EER)	4.2	4.2	4.1	4.2	4.1	3.9	
Max. cooling capacity	5.0	6.0	7.0	9.5	11.5	13.6	kW
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	880	880	880	880	880	880	mm
Indoor unit length	370	370	370	370	370	370	mm
Indoor unit weight	44	44	44	45	45	45	kg
Outdoor unit width	1109	1109	1109	1109	1109	1109	mm
Outdoor unit height	753	753	753	1377	1377	1377	mm
Outdoor unit length	546	546	546	546	546	546	mm
Outdoor unit weight	94	94	99	137	137	137	kg
Dimensions of hot gas line	12	12	16	16	16	16	Ø mm
Dimensions of liquid line	6	6	10	10	10	10	Ø mm
Rated heating output A2/W35	2.6	3.1	4.0	5.0	5.9	6.5	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	5	6	6	9	10	11	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,2	4,3	4,2	4,2	4,3	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.
Min./max. output range at operating point A7/W35.
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode.
Cooling capacity and EER at operating point A35/W18 to EN 14511.

VITOCAL 200-S

Air source heat pumps, split version
Vitocal 200-S, type AWB-E-AC 201.D
Heating and cooling

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Hybrid Pro Control for optimum control of the heat pump and an additional oil/gas boiler ■ Cascade control for up to 5 Vitocal (requires accessories) ■ Control of compatible Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, cooling circuit, optimisation of self-consumption, the additional oil/gas boiler and for swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.7

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Integral safety valve and pressure gauge
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor
- Integral flow rate monitoring
- Wall mounting bracket

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

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	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.6 10.1	8.6 10.7	10.1 11.6		MG WS
	AWB-E-AC 201.D10 **400**	Z015225 **9.616,–** A++	–	–		Part no. **Euro** Energy
	AWB-E-AC 201.D13 **400**	–	Z015226 **9.863,–** A++	–		Part no. **Euro** Energy
	AWB-E-AC 201.D16 **400**	–	–	Z015227 **10.106,–** A++		Part no. **Euro** Energy
	Specification					
	Coefficient of performance (COP) at A7	5.0	5.0	5.0		
	Coefficient of performance (COP)	4.1	4.0	3.9		
	Heating output range at A7	5.5 - 12.6	5.9 - 13.7	6.4 - 14.7		kW
	Heating output range at A2	4.4 - 10.1	4.8 - 10.6	5.2 - 11.2		kW
	Flow temperature	60	60	60		°C
	Sound power level	55	55	55		dB(A)
	Cooling capacity	7.0	8.2	9.2		kW
	Energy efficiency ratio (EER)	4.0	3.9	3.8		
	Max. cooling capacity	9.5	11.5	13.2		kW
	Indoor unit width	450	450	450		mm
	Indoor unit height	880	880	880		mm
	Indoor unit length	370	370	370		mm
	Indoor unit weight	45	45	45		kg
	Outdoor unit width	1109	1109	1109		mm
	Outdoor unit height	1377	1377	1377		mm
	Outdoor unit length	546	546	546		mm
	Outdoor unit weight	148	148	148		kg
	Dimensions of hot gas line	16	16	16		Ø mm
	Dimensions of liquid line	10	10	10		Ø mm
	Rated heating output A2/W35	5.9	6.3	7.0		kW
	Nominal heat output, medium temperature use medium climate conditions (Prated)	10	11	12		kW
	COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,5	4,5		

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output.
Min./max. output range at operating point A7/W35.
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode.
Cooling capacity and EER at operating point A35/W18 to EN 14511.

Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Energy management systems

Viessmann Energy Management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. This enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

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Accessories

Ventilation units

Vitovent mechanical ventilation systems
Mechanical ventilation systems with heat recovery in wall mounted, ceiling mounted or floorstanding designs.
- Max. flow rates up to 600 m³/h
- Max. residential units up to 750 m²

Compatible Vitovent ventilation units can be operated via the heat pump control unit.

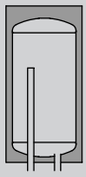
►For ventilation units and accessories, see Register 5

Vitocell 100-W

MG WH

Vitocell 100-W, Vitopearlwhite
- For storing heating water in conjunction with heat pumps with up to 17 kW heating output, including overflow valve (R1)
- For ensuring the minimum system volume (defrost energy)
- With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket

For systems with the following operating data:
- Heating water flow temperature up to 95 °C
- Operating pressure on the heating water side up to 3 bar (0.3 MPa)



Z017685
716,–
B

Part no.
Euro
Energy

► *For heating water buffer cylinders, see Register 10.*

Accessories

MG WX

3-way diverter valve
For installation in the return in cascade applications.

ZK02928
204,–

Part no.
Euro

Diaphragm expansion vessel
For installation in the indoor unit.
- Capacity 10 litres

ZK02937
180,–

Part no.
Euro

Instantaneous heating water heater
For retrofitting in the indoor unit. For types without factory-installed instantaneous heating water heater.
- 3-stage heating output 3, 6 and 9 kW

ZK02936
305,–

Part no.
Euro

Heating circuit

MG WX

Ball valve with filter (G 1¼)
Ball valve with integral stainless steel water filter.
For installation in the heating water return, to protect the condenser against contamination.

ZK03206
90,–

Part no.
Euro

Filters and magnetite separators

MG VC

Heating filter with magnetite separation (backwashing)
- Rotating connection flange for horizontal and vertical installation
- Filter element made of stainless steel
- Easy to backwash for cleaning the filter element and magnet
- Replaceable filter element
- Manual backwashing and maintenance display
- Mesh size 100 µm
- Permiss. operating pressure 10 bar
- Permiss. operating temperature 110 °C
- Connection size Rp 1

7266384
294,–

Part no.
Euro

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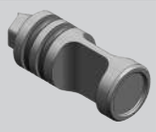
Accessories

Heating circuit

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor for heating circuit A1				
Divicon heating circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/8	**–**		Z024688 **866,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M2				
Divicon heating circuit distributor with mixer (as a set) ■ Heating circuit pump, fully wired (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.* ►See section "Heating circuit control unit extension".				
Divicon heating circuit distributor assembly with mixer-3 ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting cable 3,5 m	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M3				
Divicon heating circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	**–**		Z024682 **1.586,–**	Part no. **Euro**

Divicon accessories

Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**

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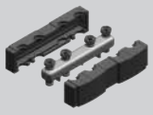
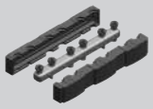
Accessories

Divicon accessories

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

Note!
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

Heating circuit control unit extension

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump		7441998 **460,–**			Part no. **Euro**

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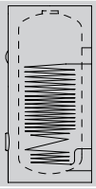
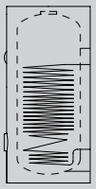
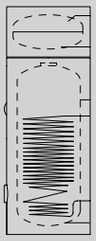
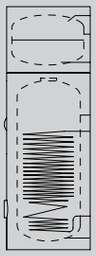
DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V DHW cylinder, type CVWC and Vitocell 100-E buffer cylinder, type MSCA ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header*		Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V DHW cylinder, type CVWC and Vitocell 100-E buffer cylinder, type MSCA ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.*		Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee and thermal insulation		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Immersion heater Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	–	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z021939 **825,–**			Part no. **Euro**

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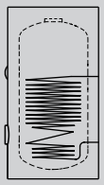
DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V Cylinder capacity (litres)		390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be fitted.		Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater Cylinder capacity (litres)		390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell		Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m3) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell		Z026669 **827,–**		Part no. **Euro**

Accessories Cylinder capacity (litres)		390	500	
Solar heat exchanger set For the connection of solar collectors to the Vitocell 100-V/100-W ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation		7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied		Z004247 **525,–**		Part no. **Euro** MG W
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro** MG W

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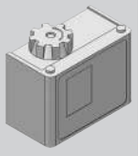
Cooling accessories
For type AWB-AC 201.D

Cooling

		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation	7452646 **523,–**	Part no. **Euro**
Frost stat Safety switch for heat pump frost protection Temperature limit adjustable from -25 to 15 °C 	7179164 **170,–**	Part no. **Euro**
High efficiency circulation pump Wilo Yonos PICO plus 30/1-6 Connection Rp 1¼ Installed length 180 mm Nominal pressure 6 bar	7783570 **673,–**	Part no. **Euro**

Note!
An extension is required for the cooling circuit with mixer:
■ Mixer extension kit (mixer mounting) part no. ZK02940
■ Mixer extension kit (wall mounting) part no. ZK02941
■ Mixer extension kit part no. 7441998
See also Register 6.9.

Accessories

		MG W
Return distribution set (for type PBS) ■ 3-way diverter valve G 1 (male) for external installation. ■ For temperature-dependent stratification of the return in the heating water buffer cylinder. *For the bypass circuit of the heating water buffer cylinder in cooling mode.* *2 pce required.*	ZK01343 **392,–**	Part no. **Euro**
Return distribution set (for types PBM and PBL) ■ 3-way diverter valve G 1½ (male) for external installation. ■ For temperature-dependent stratification of the return in the heating water buffer cylinder. *For the bypass circuit of the heating water buffer cylinder in cooling mode.* *2 pce required.*	ZK01344 **455,–**	Part no. **Euro**

Sensors

		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.	7426463 **110,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting To capture the room temperature when cooling via a **separate** cooling circuit.	7438537 **87,–**	Part no. **Euro**

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Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 10 x 1 mm ■ 25 m coil Liquid line	7249273 **572,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 3/8" x 0.8 mm ■ 50 m coil Liquid line	7441109 **692,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive. To cover uninsulated components and joints.		7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white		7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.			

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Accessories		
Connecting elements		MG WU
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249276 **68,–**	Part no. **Euro**
Connector 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce.	7249278 **88,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249279 **136,–**	Part no. **Euro**
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249280 **33,–**	Part no. **Euro**
Flanged union nut 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce.	7249282 **40,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance.		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249285 **176,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce. Spare seal rings for Euro flanged adaptors.	7249289 **7,70**	Part no. **Euro**
Copper seal ring 5/8 10 pce. Spare seal rings for Euro flanged adaptors.	7249290 **8,70**	Part no. **Euro**

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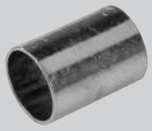
Accessories		
Connecting elements		MG WU
Copper seal ring 3/4 10 pce. Spare seal rings for Euro flanged adaptors.	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce. Spare seal rings for Euro flanged adaptors.	7441119 **10,–**	Part no. **Euro**
Solder ring fittings For connecting copper pipes. 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 10 mm 10 pce	7249277 **9,80**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 5/8" 10 pce	7441124 **8,60**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Bracket for floorstanding installation of outdoor unit ■ For positioning on level ground ■ Made of aluminium profiles, height 304 mm, width 773 mm, length 732 mm	ZK02929 **181,–**	Part no. **Euro**
Design casing with support ■ For positioning on level ground ■ Made from aluminium profiles and design casing elements made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 295 mm, width 1105 mm, length 560 mm	ZK05186 **531,–**	Part no. **Euro**

Accessories		
Brackets for outdoor unit		MG WX
Design casing, floor connection ■ For floorstanding installation, to encase hydraulic lines routed below ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 555 mm, width 249 mm, length 281 mm *Can only be used in conjunction with "Design casing with support".*	ZK05187 **293,–**	Part no. **Euro**
Bracket set for mounting the outdoor unit on a wall ■ For wall mounting ■ Made of zinc-plated steel profiles, height 660 mm, length 857 mm ■ With anti-vibration mounts to counteract structure-borne noise transmission from the outdoor unit	ZK02930 **330,–**	Part no. **Euro**
Design casing, wall connection ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 302 mm, width 352 mm, length (variable) 200 to 300 mm	ZK05188 **207,–**	Part no. **Euro**
Installation sets		MG WX
Installation set for mounting the outdoor unit on a wall ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWB-M/AWB-M-E-AC 201.D04/D06*	ZK02942 **1.048,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWB-(M)/AWB-(M)-E-AC 201.D08/D10/D13/D16*	ZK02943 **1.273,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support in design version ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 supports made of aluminium profiles for floorstanding installation, with design casing ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWB-M/AWB-M-E-AC 201.D04/D06*	ZK05269 **1.249,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWB-M/AWB-M-E-AC 201.D04/D06*	ZK02944 **899,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support in design version ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 supports made of aluminium profiles for floorstanding installation, with design casing ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWB-(M)/AWB-(M)-E-AC 201.D08/D10/D13/D16*	ZK05270 **1.474,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWB-(M)/AWB-(M)-E-AC 201.D08/D10/D13/D16*	ZK02945 **1.124,–**	Part no. **Euro**

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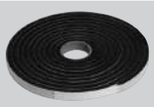
Accessories		
Installation sets		MG WX
Installation set for mounting the outdoor unit on a wall ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWB-M/AWB-M-E-AC 201.D04/D06*	ZK02946 **875,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWB-(M)/AWB-(M)-E-AC 201.D08/D10/D13/16*	ZK02947 **1.018,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWB-M/AWB-M-E-AC 201.D04/D06*	ZK02948 **726,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support, with design casing ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 supports with design casing, made of aluminium profiles, for floor mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWB-M/AWB-M-E-AC 201.D04/D06*	ZK05271 **1.076,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWB-(M)/AWB-(M)-E-AC 201.D08/D10/D13/16*	ZK02949 **869,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support, with design casing ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 supports with design casing, made of aluminium profiles, for floor mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWB-(M)/AWB-(M)-E-AC 201.D08/D10/D13/16*	ZK05272 **1.219,–**	Part no. **Euro**
Miscellaneous		MG WX
Sealant To seal the wall outlets of refrigerant lines.	7441145 **73,–**	Part no. **Euro**
Foam tape Roll, 5 m long. 	7441146 **21,–**	Part no. **Euro**
Drain kit for condensate pan For draining the condensate from the outdoor unit via a hose. Only to be installed in areas guaranteed to be frost-free. ■ Condensate drain elbow ■ Sealing plug	ZK04096 **18,–**	Part no. **Euro**

Accessories		
Miscellaneous		MG WX
Electric ribbon heater As frost protection for the outdoor unit condensate pan Only for free flowing condensate ■ Length of ribbon heater 1.2 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04097 **184,–**	Part no. **Euro**
Electric ribbon heater As frost protection for the outdoor unit condensate pan. Only where condensate is drained via a hose. ■ Length of ribbon heater 2.5 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04098 **330,–**	Part no. **Euro**
Carrying handles for outdoor unit ■ Vitocal 200-S/222-S/250-SH ■ Vitocal 200-A/222-A	ZK02931 **134,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Design casing for grille To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 624 mm, width 794 mm, length 25 mm *For types AWB-(M)-E-AC 201.D09 to D16, two grille design casings need to be ordered.*	ZK05189 **207,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**
Photovoltaics		MG WX
1-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. *Cannot be used in conjunction with Viessmann Energy Management.* *Cannot be used in conjunction with Viessmann Energy Management.*	7506156 **436,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption With serial Modbus interface. To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system.	7506157 **711,–**	Part no. **Euro**

Note!
For further accessories and software, see the following Registers:
►Register 11, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 6.9, Control unit accessories (remote controls, sensors, etc.)

6.7

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EHPA Quality Label

Heat Pump KEYMARK certified

Vitocal 222-S

Up to 60 °C flow temperature
Types AWBT-M-E 221.C and AWBT-E 221.C
Compact heat pump with:
- Split air source heat pump. For room heating and DHW heating in heating systems.
- DHW cylinder with 220 litre capacity
- High efficiency circulation pump for the heating circuit, 3-way diverter valve
- Integral instantaneous heating water heater

Types AWBT-M-E-AC 221.C and AWBT-E-AC 221.C
Equipment level as per type AWBT-M-E 221.C/AWBT-E 221.C plus active cooling function

Permissible operating pressure:
- **Heating water 3 bar (0.3 MPa)**
- **DHW 10 bar (1 MPa)**
- **Colour: Vitopearlwhite**

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.0 at A7/W35 and 4.1 at A2/W35
- Output control and DC inverter for high efficiency in partial load operation
- Maximum flow temperature up to 60 °C at -10 °C outside temperature
- Compact indoor unit with 220 l DHW cylinder, high efficiency circulation pump, condenser, 3-way diverter valve, instantaneous heating water heater, safety assembly and control unit
- Easy to operate Vitotronic control unit with plain text and graphic display
- Optimised utilisation of self-generated power from photovoltaic systems.
- Especially quiet operation thanks to Advanced Acoustic Design (AAD)
- Web-enabled through Vitoconnect (accessories) for operation and service via Viessmann apps

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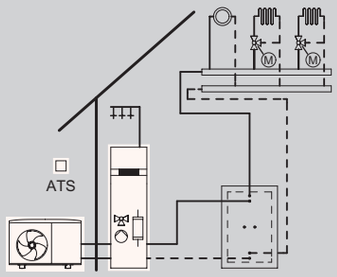
VITOCAL 222-S

Compact heat pumps, split version
Vitocal 222-S, type AWBT-M-E 221.C
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, optimisation of self-consumption and swimming pool heating (see Accessories).

6.8

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow rate monitoring
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

Note!
A hydraulic connection set **must** be added to the order to install the appliances; see Accessories.

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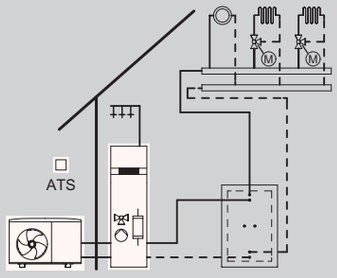
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.5	5.6 6.7	7.0 8.7	7.9 9.5	8.6 11.0	MG WS
AWBT-M-E 221.C04 **230**	Z015355 **7.776,–** A++ A	–	–	–	–	–	Part no. **Euro**
AWBT-M-E 221.C06 **230**	–	Z015356 **8.042,–** A++ A	–	–	–	–	Part no. **Euro**
AWBT-M-E 221.C08 **230**	–	–	Z015357 **8.297,–** A++ A	–	–	–	Part no. **Euro**
AWBT-M-E 221.C10 **230**	–	–	–	Z015358 **10.723,–** A++ A	–	–	Part no. **Euro**
AWBT-M-E 221.C13 **230**	–	–	–	–	Z015359 **10.967,–** A++ A	–	Part no. **Euro**
AWBT-M-E 221.C16 **230**	–	–	–	–	–	Z015360 **11.571,–** A++ A	Part no. **Euro**

Specification							
Coefficient of performance (COP) A2	3.6	3.7	4.0	4.0	4.0	3.6	
Coefficient of performance (COP) A7	4.6	4.6	4.7	4.7	4.7	4.5	
Heating output range A2	2.0 - 4.1	2.4 - 5.5	2.8 - 7.0	4.4 - 9.6	4.8 - 10.2	5.2 - 10.7	kW
Heating output range A7	2.4 - 4.2	3.0 - 6.3	3.5 - 7.5	5.5 - 12.6	6.0 - 13.7	6.4 - 14.3	kW
Flow temperature	60	60	60	60	60	60	°C
Sound power level	50	50	50	55	55	55	dB(A)
Cylinder capacity	220	220	220	220	220	220	l
Indoor unit width	600	600	600	600	600	600	mm
Indoor unit height	1874	1874	1874	1874	1874	1874	mm
Indoor unit length	681	681	681	681	681	681	mm
Indoor unit weight	169	169	169	170	170	170	kg
Outdoor unit width	1109	1109	1109	1109	1109	1109	mm
Outdoor unit height	753	753	753	1377	1377	1377	mm
Outdoor unit length	546	546	546	546	546	546	mm
Outdoor unit weight	94	94	99	137	137	137	kg
Dimensions of hot gas line	12	12	16	16	16	16	Ø mm
Dimensions of liquid line	6	6	10	10	10	10	Ø mm
Rated heating output A2/W35	2.6	3.1	4.0	5.0	5.9	6.5	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	5	6	6	9	10	11	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,2	4,3	4,2	4,2	4,3	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
Min./max. output range at operating point A7/W35
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode

VITOCAL 222-S

Compact heat pumps, split version
Vitocal 222-S, type AWBT-E 221.C
Heating

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, optimisation of self-consumption and swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.8

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow rate monitoring
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

Note!
A hydraulic connection set **must** be added to the order to install the appliances; see Accessories.

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.6 10.1	8.9 10.7	10.1 11.6	MG WS
AWBT-E 221.C10 400	Z015361 **11.105,–** A++ A	–	–	Part no. **Euro**
AWBT-E 221.C13 400	–	Z015362 **11.352,–** A++ A	–	Part no. **Euro**
AWBT-E 221.C16 400	–	–	Z015363 **11.595,–** A++ A	Part no. **Euro**

Specification				
Coefficient of performance (COP) A2	4.1	4.0	3.9	
Coefficient of performance (COP) A7	5.0	5.0	5.0	
Heating output range A2	4.4 - 10.1	4.8 - 10.6	5.2 - 11.2	kW
Heating output range A7	5.5 - 12.6	5.9 - 13.7	6.4 - 14.7	kW
Flow temperature	60	60	60	°C
Sound power level	55	55	55	dB(A)
Cylinder capacity	220	220	220	l
Indoor unit width	600	600	600	mm
Indoor unit height	1874	1874	1874	mm
Indoor unit length	681	681	681	mm
Indoor unit weight	170	170	170	kg
Outdoor unit width	1109	1109	1109	mm
Outdoor unit height	1377	1377	1377	mm
Outdoor unit length	546	546	546	mm
Outdoor unit weight	148	148	148	kg
Dimensions of hot gas line	16	16	16	Ø mm
Dimensions of liquid line	10	10	10	Ø mm
Rated heating output A2/W35	5.9	6.3	7.0	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	10	11	12	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,5	4,5	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
Min./max. output range at operating point A7/W35
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode

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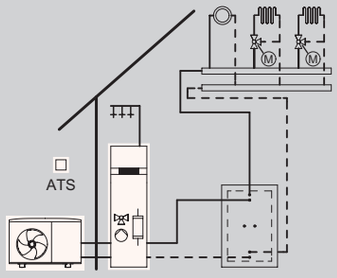
VITOCAL 222-S

Compact heat pumps, split version
Vitocal 222-S, type AWBT-M-E-AC 221.C
Heating and cooling

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, cooling circuit, optimisation of self-consumption and swimming pool heating (see Accessories).

6.8

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow rate monitoring
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

Note!
A hydraulic connection set **must** be added to the order to install the appliances; see Accessories.

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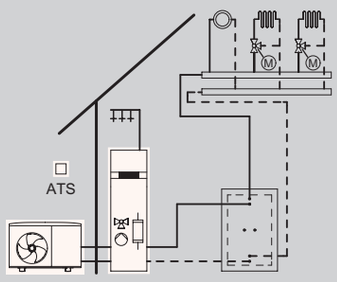
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.5	5.6 6.7	7.0 8.7	7.9 9.5	8.6 11.0	MG WS
AWBT-M-E-AC 221.C04 **230**	Z015346 **7.916,–** A++ A+	–	–	–	–	–	Part no. **Euro**
AWBT-M-E-AC 221.C06 **230**	–	Z015347 **8.182,–** A++ A+	–	–	–	–	Part no. **Euro**
AWBT-M-E-AC 221.C08 **230**	–	–	Z015348 **8.437,–** A++ A+	–	–	–	Part no. **Euro**
AWBT-M-E-AC 221.C10 **230**	–	–	–	Z015349 **10.877,–** A++ A+	–	–	Part no. **Euro**
AWBT-M-E-AC 221.C13 **230**	–	–	–	–	Z015350 **11.121,–** A++ A+	–	Part no. **Euro**
AWBT-M-E-AC 221.C16 **230**	–	–	–	–	–	Z015351 **11.725,–** A++ A+	Part no. **Euro**

Specification							
Coefficient of performance (COP) A2	3.6	3.7	4.0	4.0	4.0	3.6	
Coefficient of performance (COP) A7	4.6	4.6	4.7	4.7	4.7	4.5	
Heating output range A2	2.0 - 4.1	2.4 - 5.5	2.8 - 7.0	4.4 - 9.6	4.8 - 10.2	5.2 - 10.7	kW
Heating output range A7	2.4 - 4.2	3.0 - 6.3	3.5 - 7.5	5.5 - 12.6	6.0 - 13.7	6.4 - 14.3	kW
Flow temperature	60	60	60	60	60	60	°C
Sound power level	50	50	50	55	55	55	dB(A)
Cylinder capacity	220	220	220	220	220	220	l
Cooling capacity	4.0	5.0	6.0	7.0	8.2	9.2	kW
Energy efficiency ratio (EER)	4.2	4.2	4.1	4.2	4.1	3.9	
Max. cooling capacity	5.0	6.0	7.0	9.5	11.5	13.6	kW
Indoor unit width	600	600	600	600	600	600	mm
Indoor unit height	1874	1874	1874	1874	1874	1874	mm
Indoor unit length	681	681	681	681	681	681	mm
Indoor unit weight	169	169	169	170	170	170	kg
Outdoor unit width	1109	1109	1109	1109	1109	1109	mm
Outdoor unit height	753	753	753	1377	1377	1377	mm
Outdoor unit length	546	546	546	546	546	546	mm
Outdoor unit weight	94	94	99	137	137	137	kg
Dimensions of hot gas line	12	12	16	16	16	16	Ø mm
Dimensions of liquid line	6	6	10	10	10	10	Ø mm
Rated heating output A2/W35	2.6	3.1	4.0	5.0	5.9	6.5	kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	5	6	6	9	10	11	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,2	4,3	4,2	4,2	4,3	

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
Min./max. output range at operating point A7/W35
Total sound p wer level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode. Cooling capacity and EER at operating point A35/W18 to EN 14511.

VITOCAL 222-S

Compact heat pumps, split version
Vitocal 222-S, type AWBT-E-AC 221.C
Heating and cooling

Heating system	Control unit
 ■ 1 heating circuit without mixer ■ 2 heating circuits with mixer ■ DHW heating	**Vitotronic 200** **Type WO1C, for weather-compensated mode** ■ Digital heat pump control unit ■ Cylinder temperature controller ■ Menu-guided operation ■ Control of an instantaneous heating water heater ■ Control of compatible Vitovent ventilation units ■ Active cooling function for 2 heating circuits with mixer and 1 heating circuit without mixer ■ Swimming pool heating ■ Optimisation of self-consumption ■ Integral energy statement Extensions are required for the heating circuit with mixer, cooling circuit, optimisation of self-consumption and swimming pool heating (see Accessories).

Note!
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

WiFi connectivity
ViCare and **ViGuide** can be used to access the weather-compensated control unit over the internet.
Vitoconnect (accessories) required; see Register 11.2.

6.8

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral diverter valve for central heating/DHW heating
- Integral high efficiency circulation pump for the secondary circuit
- Integral safety valve and pressure gauge
- Integral instantaneous heating water heater
- Integral flow rate monitoring
- Integral condenser
- Weather-compensated Vitotronic 200 heat pump control unit with outside temperature sensor

Outdoor unit
- Factory-filled with refrigerant (R410A), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

Note!
A hydraulic connection set **must** be added to the order to install the appliances; see Accessories.

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	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.6 10.1	 8.6 10.7	 10.1 11.6		MG WS
	AWBT-E-AC 221.C10 **400**	Z015352 **11.259,–** A++ A+	–	–		Part no. **Euro**
	AWBT-E-AC 221.C13 **400**	–	Z015353 **11.506,–** A++ A+	–		Part no. **Euro**
	AWBT-E-AC 221.C16 **400**	–	–	Z015354 **11.749,–** A++ A+		Part no. **Euro**

Specification					
Coefficient of performance (COP) A2	4.1	4.0	3.9		
Coefficient of performance (COP) A7	5.0	5.0	5.0		
Heating output range A2	4.4 - 10.1	4.8 - 10.6	5.2 - 11.2		kW
Heating output range A7	5.5 - 12.6	5.9 - 13.7	6.4 - 14.7		kW
Flow temperature	60	60	60		°C
Sound power level	55	55	55		dB(A)
Cylinder capacity	220	220	220		l
Cooling capacity	7.0	8.2	9.2		kW
Energy efficiency ratio (EER)	4.0	3.9	3.8		
Max. cooling capacity	9.5	11.5	13.2		kW
Indoor unit width	600	600	600		mm
Indoor unit height	1874	1874	1874		mm
Indoor unit length	681	681	681		mm
Indoor unit weight	170	170	170		kg
Outdoor unit width	1109	1109	1109		mm
Outdoor unit height	1377	1377	1377		mm
Outdoor unit length	546	546	546		mm
Outdoor unit weight	148	148	148		kg
Dimensions of hot gas line	16	16	16		Ø mm
Dimensions of liquid line	10	10	10		Ø mm
Rated heating output A2/W35	5.9	6.3	7.0		kW
Nominal heat output, medium temperature use medium climate conditions (Prated)	10	11	12		kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,4	4,5	4,5		

Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
Min./max. output range at operating point A7/W35
Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode
Cooling capacity and EER at operating point A35/W18 to EN 14511.

Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests

►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Energy management systems

Viessmann Energy Management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. This enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

Accessories

Ventilation units

Vitovent mechanical ventilation systems
Mechanical ventilation systems with heat recovery in wall mounted, ceiling mounted or floorstanding designs.
- Max. flow rates up to 600 m³/h
- Max. residential units up to 750 m²

Compatible Vitovent ventilation units can be operated via the heat pump control unit.

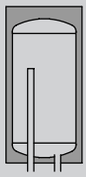
►For ventilation units and accessories, see Register 5

Vitocell 100-W

MG WX

Vitocell 100-W, Vitopearlwhite
- For storing heating water in conjunction with heat pumps with up to 17 kW heating output, including overflow valve (R1)
- For ensuring the minimum system volume (defrost energy)
- With EPS thermal insulation and sheet steel jacket, wall mounted including wall mounting bracket

For systems with the following operating data:
- Heating water flow temperature up to 95 °C
- Operating pressure on the heating water side up to 3 bar (0.3 MPa)



Z017685
716,–
B

Part no.
Euro
Energy

Vitocell 100-E

Vitocell 100-E, type MSCA
- For storing heating water/cooling water in conjunction with heat pumps with up to 17 kW heating output
- With rigid PUR foam thermal insulation
- 50 litre capacity
- Colour: Vitopearlwhite

When using with more than one heating/cooling circuit

Z026457
583,–
A

Part no.
Euro
Energy
MG WH

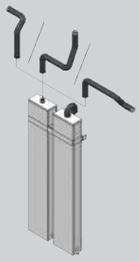
Vitocell 100-E, type MSCA
- For storing heating water/cooling water in conjunction with heat pumps with up to 17 kW heating output
- With rigid PUR foam thermal insulation
- 75 litre capacity
- Colour: Vitopearlwhite

When using with more than one heating/cooling circuit

Z026458
742,–
B

Part no.
Euro
Energy
MG WH

Vitocell 100-E, type SVPA
For storing heating water in conjunction with compact heat pumps. For ensuring the minimum system volume (defrost energy)
- For installation at the back of the compact appliance
- Thermally insulated
- 40 litre capacity
- Colour: black
- Overflow valve



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763,–
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Part no.
Euro
Energy
MG WX

► *For heating water buffer cylinders, see Register 8.*

Filters and magnetite separators

MG VC

Heating filter with magnetite separation (backwashing)
- Rotating connection flange for horizontal and vertical installation
- Filter element made of stainless steel
- Easy to backwash for cleaning the filter element and magnet
- Replaceable filter element
- Manual backwashing and maintenance display
- Mesh size 100 µm
- Permiss. operating pressure 10 bar
- Permiss. operating temperature 110 °C
- Connection size Rp 1

7266384
294,–

Part no.
Euro

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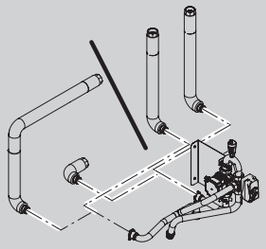
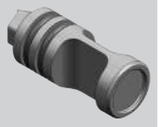
Accessories		
Accessories		MG WX
Hydraulic connection set for heating circuit, surface mounting, upward connection ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G ¾ ■ Thermally insulated DHW circulation pipe G ¾	ZK02960 **312,–**	Part no. **Euro**
Hydraulic connection set for heating circuit, surface mounting, connection to left or right ■ Thermally insulated heating water flow and heating water return line G 1¼ with 90° bend ■ Thermally insulated cold water and DHW line G ¾ with 90° bend ■ Thermally insulated DHW circulation pipe G ¾ with 90° bend	ZK02959 **324,–**	Part no. **Euro**
Installation kit with mixer Hydraulic components for direct connection of a heating circuit with mixer to the indoor unit For systems without heating water buffer cylinder in the secondary circuit flow ■ Heating circuit pump and heating circuit mixer for installation in the indoor unit ■ Thermally insulated heating water flow and heating water return line G 1¼, for integration into the hydraulic connection set ■ Flow temperature sensor ■ Cable harness *To ensure the minimum system volume, a heating water buffer cylinder in the secondary circuit return may be required.* 	ZK02958 **1.402,–**	Part no. **Euro**
Diaphragm expansion vessel For installation in the indoor unit ■ Capacity 10 litres	ZK02937 **180,–**	Part no. **Euro**
Instantaneous heating water heater For retrofitting in the indoor unit. For types without factory-installed instantaneous heating water heater ■ 3-stage heating output 3, 6 and 9 kW	ZK02936 **305,–**	Part no. **Euro**
Heating circuit		MG WX
Ball valve with filter (G 1¼) Ball valve with integral stainless steel water filter For installation in the heating water return, to protect the condenser against contamination	ZK03206 **90,–**	Part no. **Euro**

Accessories

Heating circuit Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WN
Divicon heating circuit distributor for heating circuit A1				
Divicon heating circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation				
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/6	Z024686 **802,–**	Z024687 **832,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor Without mixer with high efficiency circulation pump Wilo Para 25/8	**–**		Z024688 **866,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M2				
Divicon heating circuit distributor with mixer (as a set) ■ Heating circuit pump, fully wired (supplied separately) ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation *Mixer extension kits must be ordered separately.* ►See section "Heating circuit control unit extension".				
Divicon heating circuit distributor assembly with mixer-3 ■ High efficiency circulation pump Grundfos Alpha 25/60 ■ With connecting cable 3,5 m	Z008223 **887,–**	Z008224 **913,–**	ZK01827 **971,–**	Part no. **Euro**
Divicon heating circuit distributor for heating circuit M3				
Divicon heating circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation ■ Mixer extension kit (KM-BUS subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/6	Z024680 **1.484,–**	Z024681 **1.514,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With high efficiency circulation pump Wilo Para 25/8	**–**		Z024682 **1.586,–**	Part no. **Euro**

Divicon accessories Connection to heating circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit 	7464889 **21,–**			Part no. **Euro**

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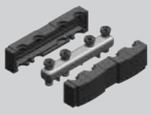
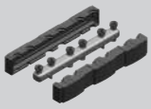
Accessories

Divicon accessories

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460638 **337,–**		7466337 **382,–**	Part no. **Euro**
Manifold for 3 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)		7460643 **464,–**		7466340 **529,–**	Part no. **Euro**
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

Note!
- When sizing the Divicon heating circuit distributor, observe the technical guides.
- The Divicon heating circuit distributor is not suitable for heating circuits which are also used for cooling mode.

Heating circuit control unit extension

Connection to heating circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump		7441998 **460,–**			Part no. **Euro**

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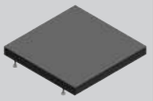
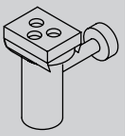
DHW heating accessories		
Accessories		MG W
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**	Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**	Part no. **Euro**
Miscellaneous		MG WX
Platform for unfinished floors For siting the appliance on unfinished floors ■ Height-adjustable, for screed heights of 10 to 18 cm ■ Incl. thermal insulation 	7417925 **474,–**	Part no. **Euro**
Drain outlet kit Drain outlet with trap and bezel DN 40. 	7176014 **35,–**	Part no. **Euro** MG W

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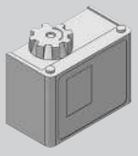
Solar accessories		
Accessories		MG WO
Solar collectors Max. connectible collector area ■ 4.6 m² Vitosol 100-FM/200-FM ■ 3 m² Vitosol 200-TM/300-TM ► **See Pricelist, Register 9.**		
Solar heat exchanger set (Divicon) For connecting solar thermal systems to compact appliances ■ Circulation pump ■ Connections matched to Solar-Divicon for direct mounting below the Solar-Divicon ■ Thermal insulation	ZK05953 **1.128,–**	Part no. **Euro** MG WX
Solar-Divicon, type PS 10 Two-line pump station for the collector circuit Delivery head: 6.0 m at a pump rate of 1000 l/h ■ Variable speed high efficiency circulation pump ■ **Integral SDIO/SM1A electronics module** ■ Fill valves ■ Air separator ■ 2 thermometers ■ 2 ball valves with check valve ■ Circulation pump ■ Flow indicator ■ Pressure gauge ■ Safety valve (6 bar) ■ Thermal insulation ■ Locking ring fitting/double O-ring 22 mm	Z021901 **1.239,–**	Part no. **Euro**
High limit temperature cut-out device for solar thermal system For installation in the loading cylinder integrated into the heat pump. ■ Max. switching point 95 °C	7506168 **90,–**	Part no. **Euro** MG WX
Heat transfer medium		MG WO
"Tyfocor LS" heat transfer medium **25 litres** in a disposable container Ready mixed, down to -28 °C. Tyfocor LS can be mixed with Tyfocor G-LS.	7159727 **206,–**	Part no. **Euro**
Filling station ■ Self-priming impeller pump, 30 litres/min ■ Dirt filter (intake side) ■ Hose, 0.5 m long (intake side) ■ Connection hose, 2.5 m long (2 pce) ■ Packing crate (can be used as a flushing tank)	7188625 **761,–**	Part no. **Euro** MG N

Cooling accessories

Cooling

		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation	7452646 **523,–**	Part no. **Euro**
Frost stat Safety switch for heat pump frost protection Temperature limit adjustable from -25 to 15 °C 	7179164 **170,–**	Part no. **Euro**
High efficiency circulation pump Wilo Yonos PICO plus 30/1-6 Connection Rp 1¼ Installed length 180 mm Nominal pressure 6 bar	7783570 **673,–**	Part no. **Euro**

Note!
An extension is required for the cooling circuit with mixer:
■ Mixer extension kit (mixer mounting) part no. ZK02940
■ Mixer extension kit (wall mounting) part no. ZK02941
■ Mixer extension kit part no. 7441998
See also Register 6.9.

Accessories

		MG W
Return distribution set (for type PBS) ■ 3-way diverter valve G 1 (male) for external installation. ■ For temperature-dependent stratification of the return in the heating water buffer cylinder *For the bypass circuit of the heating water buffer cylinder in cooling mode* *2 pce required*	ZK01343 **392,–**	Part no. **Euro**
Return distribution set (for types PBM and PBL) ■ 3-way diverter valve G 1½ (male) for external installation ■ For temperature-dependent stratification of the return in the heating water buffer cylinder *For the bypass circuit of the heating water buffer cylinder in cooling mode* *2 pce required*	ZK01344 **455,–**	Part no. **Euro**

Sensors

		MG W
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature when cooling via a **separate** cooling circuit or via a heating circuit **without** mixer.	7426463 **110,–**	Part no. **Euro**
Room temperature sensor (NTC 10 kOhm) In an enclosure for wall mounting To capture the room temperature when cooling via a **separate** cooling circuit.	7438537 **87,–**	Part no. **Euro**

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Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 10 x 1 mm ■ 25 m coil Liquid line	7249273 **572,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 3/8" x 0.8 mm ■ 50 m coil Liquid line	7441109 **692,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive To cover uninsulated components and joints	7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white	7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.		

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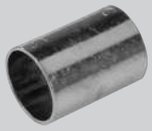
Accessories		
Connecting elements		MG WU
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249276 **68,–**	Part no. **Euro**
Connector 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249278 **88,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249279 **136,–**	Part no. **Euro**
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249280 **33,–**	Part no. **Euro**
Flanged union nut 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249282 **40,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 5/8 For 10 x 1 mm and 3/8 x 0.8 mm copper pipe. 10 pce	7249285 **176,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce Spare seal rings for Euro flanged adaptors	7249289 **7,70**	Part no. **Euro**
Copper seal ring 5/8 10 pce Spare seal rings for Euro flanged adaptors	7249290 **8,70**	Part no. **Euro**

Accessories		
Connecting elements		MG WU
Copper seal ring 3/4 10 pce Spare seal rings for Euro flanged adaptors	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce Spare seal rings for Euro flanged adaptors	7441119 **10,–**	Part no. **Euro**
Solder ring fittings For connecting copper pipes 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 10 mm 10 pce	7249277 **9,80**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 5/8" 10 pce	7441124 **8,60**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Design casing with support ■ For positioning on level ground ■ Made from aluminium profiles and design casing elements made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 295 mm, width 1105 mm, length 560 mm	ZK05186 **531,–**	Part no. **Euro**
Design casing, floor connection ■ For floorstanding installation, to encase hydraulic lines routed below ground level. ■ Made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 555 mm, width 249 mm, length 281 mm *Can only be used in conjunction with "Design casing with support".*	ZK05187 **293,–**	Part no. **Euro**

Accessories		
Brackets for outdoor unit		MG WX
Design casing, wall connection ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 302 mm, width 352 mm, length (variable) 200 to 300 mm	ZK05188 **207,–**	Part no. **Euro**
Bracket for floorstanding installation of outdoor unit ■ For positioning on level ground ■ Made of aluminium profiles, height 304 mm, width 773 mm, length 732 mm	ZK02929 **181,–**	Part no. **Euro**
Bracket set for mounting the outdoor unit on a wall ■ For wall mounting ■ Made of zinc-plated steel profiles, height 660 mm, length 857 mm ■ With anti-vibration mounts to counteract structure-borne noise transmission from the outdoor unit	ZK02930 **330,–**	Part no. **Euro**
Installation sets		MG WX
Installation set for mounting the outdoor unit on a wall ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWBT-M/AWBT-M-E-AC 221.C04/C06*	ZK02942 **1.048,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWBT-(M)/AWBT-(M)-E-AC 221.C08/C10/C13/C16*	ZK02943 **1.273,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support in design version ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 supports made of aluminium profiles for floorstanding installation, with design casing ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWBT-M/AWBT-M-E-AC 221.C04/C06*	ZK05269 **1.249,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWBT-M/AWBT-M-E-AC 221.C04/C06*	ZK02944 **899,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support in design version ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 supports made of aluminium profiles for floorstanding installation, with design casing ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWBT-(M)/AWBT-(M)-E-AC 221.C08/C10/C13/C16*	ZK05270 **1.474,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 10 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white *For types AWBT-(M)/AWBT-(M)-E-AC 221.C08/C10/C13/C16*	ZK02945 **1.124,–**	Part no. **Euro**

Accessories		
Installation sets		MG WX
Installation set for mounting the outdoor unit on a wall ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWBT-M/AWBT-M-E-AC 221.C04/C06*	ZK02946 **875,–**	Part no. **Euro**
Installation set for mounting the outdoor unit on a wall ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWBT-(M)/AWBT-(M)-E-AC 221.C08/C10/C13/C16*	ZK02947 **1.018,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWBT-M/AWBT-M-E-AC 221.C04/C06*	ZK02948 **726,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support, with design casing ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 supports with design casing, made of aluminium profiles, for floor mounting ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWBT-M/AWBT-M-E-AC 221.C04/C06*	ZK05271 **1.076,–**	Part no. **Euro**
Installation set for floorstanding installation of the outdoor unit ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWBT-(M)/AWBT-(M)-E-AC 221.C08/C10/C13/C16*	ZK02949 **869,–**	Part no. **Euro**
Installation set for floor mounting of outdoor unit with support, with design casing ■ 3/8 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 supports with design casing, made of aluminium profiles, for floor mounting ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. *For types AWBT-(M)/AWBT-(M)-E-AC 221.C08/C10/C13/C16*	ZK05272 **1.219,–**	Part no. **Euro**
Miscellaneous		MG WX
Drain kit for condensate pan For draining the condensate from the outdoor unit via a hose. Only to be installed in areas guaranteed to be frost-free. ■ Condensate drain elbow ■ Sealing plug	ZK04096 **18,–**	Part no. **Euro**
Electric ribbon heater As frost protection for the outdoor unit condensate pan Only for free flowing condensate ■ Length of ribbon heater 1.2 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04097 **184,–**	Part no. **Euro**
Electric ribbon heater As frost protection for the outdoor unit condensate pan Only where condensate is drained via a hose. ■ Length of ribbon heater 2.5 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04098 **330,–**	Part no. **Euro**

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Accessories		
Miscellaneous		MG WX
Carrying handles for outdoor unit ■ Vitocal 200-S/222-S/250-SH ■ Vitocal 200-A/222-A	ZK02931 **134,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit	ZK02933 **5,–**	Part no. **Euro**
Sealant To seal the wall outlets of refrigerant lines	7441145 **73,–**	Part no. **Euro**
Foam tape Roll, 5 m long	7441146 **21,–**	Part no. **Euro**
Design casing for grille To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitosilver ■ Dimensions: height 624 mm, width 794 mm, length 25 mm *For types AWBT-(M)-E-AC 221.C09 to C16, two grille design casings need to be ordered.*	ZK05189 **207,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**
Photovoltaics		MG WX
1-phase energy meter for 2-stage self-consumption With serial Modbus interface To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system *Cannot be used in conjunction with Viessmann Energy Management*	7506156 **436,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption With serial Modbus interface To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system *Cannot be used in conjunction with Viessmann Energy Management*	7506157 **711,–**	Part no. **Euro**

Note!
For further accessories and software, see the following Registers:
►Register 11.2, Connectivity and Home & Building Automation (ViCare app, Vitoconnect, Vitocom, Vitogate, etc.)
►Register 6.9, Control unit accessories (remote controls, sensors, etc.)

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Control unit versions

Please note:
Control unit accessories for heat pumps with Viessmann One Base:
See price sheets for the respective heat pumps.

	Vitotronic 200 Type WO1B	Vitotronic 200 Type WO1C	MG W
Remote control units			
Hardwired remote control units cannot be combined with the wireless base station.			
Vitotrol 200-A (KM-BUS subscriber) For setting one heating circuit: ■ Set room temperature and operating program ■ Party and economy functions ■ Display to show outside temperature, room temperature and operating statuses ■ Room temperature sensor for room temperature hook-up (only for one heating circuit with mixer) If the Vitotrol 200-A is to be used for room temperature hook-up, site the device in a **main living room** (lead room). *Max. 3 Vitotrol per Vitotronic.*	Z008341 **171,–**		Part no. **Euro**
Wireless remote control units			MG W
The wireless components cannot be combined with hardwired remote control units.			
Vitotrol 200-RF (wireless subscriber) Remote control unit with integral wireless transmitter for operation with the wireless base station (accessories). For setting one heating circuit: ■ Set room temperature and operating program ■ Party and economy functions ■ Display to show outside temperature, room temperature and operating statuses ■ Room temperature sensor for room temperature hook-up (only for one heating circuit with mixer) *Max. 3 wireless remote control units per Vitotronic.*	Z011219 **187,–**		Part no. **Euro**
Wireless accessories			MG W
Wireless base station (KM-BUS subscriber) For communication between the Vitotronic control unit and the following components: ■ Vitotrol 200-RF wireless remote control unit *For up to 3 wireless remote control units. Not in conjunction with a hardwired remote control unit.*	Z011413 **169,–**		Part no. **Euro**
EnOcean wireless repeater Mains operated wireless repeater to increase the wireless range of EnOcean wireless signals and for operation in areas where wireless communication is difficult. ■ Redirection of wireless signals if disrupted by steel reinforced concrete ceilings/floors and/or multiple walls ■ For circumventing large metallic objects situated between the wireless components. *Max. 1 wireless repeater per Vitotronic.*	7456538 **352,–**		Part no. **Euro**

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Accessories		Control unit versions			
		Vitotronic 200 Type WO1B	Vitotronic 200 Type WO1C		
Sensors					MG W
Contact temperature sensor (Ni500) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug To capture the flow temperature in a heating circuit with mixer.		7183288 **106,–**	-		Part no. **Euro**
Cylinder temperature sensor (Pt500) With connecting lead (3.8 m long), without plug. As immersion temperature sensor for DHW cylinder or heating water buffer cylinder.		7170965 **93,–**	-		Part no. **Euro**
Contact temperature sensor (Pt500) With connecting lead (2 m long), without plug. To capture the flow temperature in heating systems with heating water buffer cylinder and/or external heat generator.		7426133 **75,–**	-		Part no. **Euro** MG WX
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug As a system flow temperature sensor in heating systems with external heat generator.		-	7426463 **110,–**		Part no. **Euro**
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug As a cylinder temperature sensor for DHW cylinders or heating water buffer cylinders.		-	7438702 **110,–**		Part no. **Euro**
Other					MG W
Contactor relay Contactor in small enclosure ■ With 4 N/C and 4 N/O contacts ■ With terminal strips for protective conductors Rated current: AC1 16 A, AC3 9 A Coil voltage: 230 V/50 Hz		7814681 **199,–**			Part no. **Euro**
KM-BUS distributor For connecting 2 to 9 appliances to the KM-BUS		7415028 **75,–**			Part no. **Euro**
Plug for connecting external room thermostats (230 V) ■ Plug-in connector for connecting temperature controllers for switching off heating/cooling circuits externally ■ To be plugged into the PCB of the heat pump control unit.		ZK05337 **6,–**			Part no. **Euro** MG WX

Accessories	Control unit versions		
	Vitotronic 200 Type WO1B	Vitotronic 200 Type WO1C	
Temperature controller for swimming pool temperature control			MG W
Temperature controller For controlling the swimming pool temperature ■ With stainless steel sensor well, 200 mm long ■ Setting range: 0 to 35 °C *EA1 extension is required for the swimming pool heating function.*	7009432 **388,–**		Part no. **Euro**
Heating circuit control unit extension			MG W
Mixer motor ■ For Viessmann heating mixers DN 20 to 50 (welding fitting) and R ½ to R 1¼ (not for flanged mixers) ■ For wiring on site For the 1st heating circuit with mixer (M2) on heat pumps that support two heating circuits with mixer and for integrating an external heat generator; direct switching by the Vitotronic 200.	7450657 **297,–**		Part no. **Euro**
Mixer extension kit For one heating circuit with mixer, fully wired ■ Mixer motor with connecting cable (4.0 m long) for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) and plug ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump For the 1st heating circuit with mixer (M2) on heat pumps that support two heating circuits with mixer and for integrating an external heat generator; direct switching by the Vitotronic 200.	-	7441998 **460,–**	Part no. **Euro**
Mixer extension kit (mixer mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with **mixer motor** for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and KM-BUS cable with plug For the 2nd heating circuit with mixer (M3) or for cooling mode when using an on-site NC circuit with mixer.	ZK02940 **652,–**		Part no. **Euro**

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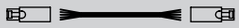
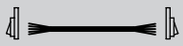
Accessories	Control unit versions		
	Vitotronic 200 Type WO1B	Vitotronic 200 Type WO1C	
Heating circuit control unit extension			MG W
Mixer extension kit (wall mounting) (KM-BUS subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for **separately** ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm), with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and KM-BUS cable with plug For the 2nd heating circuit with mixer (M3) or for cooling mode when using an on-site NC circuit with mixer.	ZK02941 **428,–**		Part no. **Euro**
High limit temperature cut-out device Temperature cut-out for use with an external heat generator. ■ With connecting lead (4.2 m long) and plug ■ Temperature limit 65 °C	7197797 **250,–**		Part no. **Euro**
Immersion thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm	7151728 **214,–**		Part no. **Euro**
Contact thermostat Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug	7151729 **164,–**		Part no. **Euro**

Please note:
Provision must be made for a heating water buffer cylinder in the case of heating circuits with mixer.
► *For heating water buffer cylinders, see Register 10.*

Accessories	Control unit versions			
	Vitotronic 200 Type WO1B	Vitotronic 200 Type WO1C		
Solar DHW heating and central heating backup				MG WO
Solar control module, type SM1 Function extension inside enclosure for wall mounting. Electronic temperature differential control for dual mode DHW heating and central heating backup using solar collectors. ■ With output statement and diagnostic system ■ Operation and display via the Vitotronic control unit ■ Heating of two consumers via a collector array ■ Second temperature differential control ■ Thermostat function for reheating or utilising excess heat ■ Speed control of solar circuit pump with PWM input (Grundfos and Wilo) ■ Suppression of DHW cylinder reheating by the heat generator, subject to solar yield ■ Heat-up of the solar preheating stage (with DHW cylinders from 400 litre capacity) Order the immersion temperature sensor, part no. 7438702, if the following functions are required: ■ For DHW circulation changeover in systems with 2 DHW cylinders ■ For return changeover between the heat generator and the heating water buffer cylinder ■ For heating additional consumers	-	Z014470 **622,–**		Part no. **Euro**
Function extensions				MG W
External H1 extension Function extension in enclosure. For wall mounting. The following functions can be achieved with the extension: ■ Demand for a minimum heating water temperature. ■ External changeover of the operating status. ■ External demand and blocking. ■ Specification of a set flow temperature for the secondary circuit via a 0-10 V input.	7179058 **194,–**	-		Part no. **Euro**
AM1 extension Function extension inside enclosure for wall mounting. The following functions can be achieved: ■ Cooling via cooling water buffer cylinder or central fault message ■ Heat transfer to the cooling water buffer cylinder	-	7452092 **117,–**		Part no. **Euro**
EA1 extension Function extension inside enclosure for wall mounting. Using the inputs and outputs allows up to 5 functions to be achieved: **1 analogue input (0 to 10 V)** ■ Specification of set flow temperature for secondary circuit **3 digital inputs** ■ External changeover of the operating status ■ External demand and blocking ■ External demand for a minimum heating water temperature **1 switching output** ■ Switching of swimming pool heating	-	7452091 **227,–**		Part no. **Euro**

Heat pumps

Control unit accessories

Accessories		Control unit versions		
		Vitotronic 200 Type WO1B	Vitotronic 200 Type WO1C	
Communication technology				MG W
LON communication module PCB for installation in the control unit for data exchange via Viessmann LON system bus. For communication with: ■ Vitotronic 200-H heating circuit control unit ■ Vitocom 100 and 300 communication interface For one heat pump; in the case of heat pump cascades for installation in the **lag heat pumps**.		7172173 **250,–**		Part no. **Euro**
LON communication module for cascade control PCB for installation in the control unit for data exchange via Viessmann LON system bus. For communication with: ■ Vitotronic 200-H heating circuit control unit ■ Vitocom 100 and 300 communication interface In the case of heat pump cascades for installation in the **lead heat pump**.		7172174 **282,–**		Part no. **Euro**
LON cable for control unit data exchange ■ 7.0 m long (can be extended once) ■ With RJ45 plugs		7143495 **40,–**		Part no. **Euro**
LON coupling, RJ45 To extend the LON cable		7143496 **25,–**		Part no. **Euro**
LON plug-in connectors, RJ45 (2 pce) To create a connecting cable using an on-site cable for **installation spacing in excess of 14 m**		7199251 **73,–**		Part no. **Euro**
LON socket, RJ45 (2 pce) To create an on-site cable (CAT 6), concealed or run in cable trunking, for **installation spacing in excess of 14 m** (connection from the LON socket to the control unit using the LON cable)		7171784 **67,–**		Part no. **Euro**
Terminators (2 pce) To terminate the system bus, use a terminator on each unconnected end.		7143497 **10,50**		Part no. **Euro**

Please note:
The KM-BUS distributor must also be ordered if KM-BUS subscribers are already connected to the heat pump control unit (see Accessories).

►For information on ViGuide for commissioning, diagnostics and service, see Register 11 and www.viguide.info.

VITOCAL 200-S

Air source heat pumps
Split version
1.8 to 7.1 kW (A2/W35)
2.6 to 10.4 kW (A7/W35)

EHPA Quality Label

Heat Pump KEYMARK certified

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Vitocal 200-S

Up to 60 °C flow temperature
Type AWB-M-E-AC 201.E and AWB-M-E-AC-AF 201.E
Heat pump with electric drive in split design with outdoor and indoor unit

- For room heating/cooling and DHW heating
- Indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way diverter valve and bypass
- Integral instantaneous heating water heater
- Integral 16 l buffer cylinder and 10 l expansion vessel

Versions:

- 2C: with integral 2nd heating circuit
- AF: with integral electric ribbon heater for the condensate pan

Permissible operating pressure: heating water 3 bar (0.3 MPa)
Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitographite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.0 at A7/W35
- Self-optimising control of the flow rate via Viessmann Hydro AutoControl
- Environmentally responsible refrigerant R32 with a low GWP value (global warming potential) of 771
- Convenient reversible design that enables heating and cooling
- Optimised utilisation of power generated on site by photovoltaic systems
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and ViGuide
- Guided commissioning via ViGuide

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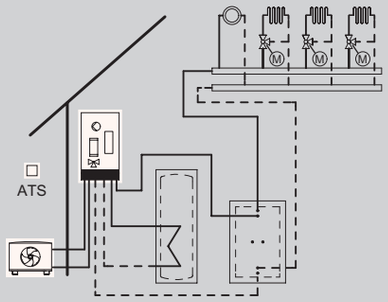
VITOCAL 200-S

Air source heat pumps, split version
Vitocal 200-S, type AWB-M-E-AC 201.E/AWB-M-E-AC-AF 201.E
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating circuits with mixer and optimisation of self-consumption (see Accessories).

ViCare ViGuide

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Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral 4/3-way valve for room heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Diaphragm expansion vessel with 10 l capacity
- Integral 16 l buffer cylinder
- Integral safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral flow sensor
- Wall mounting bracket and standard connection pipework

Outdoor unit
- Factory-filled with refrigerant (R32), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan
- AF version: with integral electric ribbon heater for the condensate pan

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 5.3 5.5	6.8 6.7	8.3 7.8		MG WS
AWB-M-E-AC 201.E06 **230**	Z022662 **8.181,–** A++	–	–		Part no. **Euro** Energy
AWB-M-E-AC-AF 201.E06 **230**	Z022663 **8.256,–** A++	–	–		Part no. **Euro** Energy
AWB-M-E-AC 201.E08 **230**	–	Z022664 **8.568,–** A++	–		Part no. **Euro** Energy
AWB-M-E-AC-AF 201.E08 **230**	–	Z022665 **8.646,–** A++	–		Part no. **Euro** Energy
AWB-M-E-AC 201.E10 **230**	–	–	Z022666 **9.000,–** A++		Part no. **Euro** Energy
AWB-M-E-AC-AF 201.E10 **230**	–	–	Z022667 **9.087,–** A++		Part no. **Euro** Energy

Specification					
Coefficient of performance (COP) at A7	5.0	5.0	4.9		
Coefficient of performance (COP) at A2	4,0	4,1	4,0		
Heating output range at A7	2.6 - 7.5	2.6 - 9.0	2.6 - 10.4		kW
Heating output range at A2	1.8 - 5.0	1.8 - 6.0	1.8 - 7.1		kW
Flow temperature	60	60	60		°C
Cooling capacity	5.4	6.7	8.8		kW
Energy efficiency ratio (EER)	5.9	5.1	4.9		
Max. cooling capacity	8.5	9.5	10.6		kW
Sound power level	50	50	50		dB(A)
Energy efficiency ηs at W35	185	193	192		%
Energy efficiency ηs at W55	125	130	128		%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	7	8		kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,4	4,4		

►For further specifications, see section before Accessories.

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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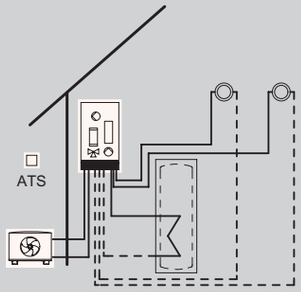
VITOCAL 200-S

Air source heat pumps, split version
Vitocal 200-S, type AWB-M-E-AC 201.E 2C/AWB-M-E-AC-AF 201.E 2C
Heating and cooling

Heating system	Control unit
	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Additional accessories are required for optimisation of self-consumption (see Accessories).
■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer	

6.10

Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral 4/3-way valve for room heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- 18 l diaphragm expansion vessel
- Integral 16 l buffer cylinder
- Integral instantaneous heating water heater
- Integral safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral flow sensor
- Wall mounting bracket and standard connection pipework
- Integral 2nd heating/cooling circuit

Outdoor unit
- Factory-filled with refrigerant (R32), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan
- AF version: with integral electric ribbon heater for the condensate pan

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Air source heat pumps, split version
Vitocal 200-S, type AWB-M-E-AC 201.E 2C/AWB-M-E-AC-AF 201.E 2C
Heating and cooling

Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 5.3 5.5	 6.8 6.7	 8.3 7.8	MG WS
AWB-M-E-AC 201.E06 2C 230	Z022686 **9.750,–** A++	–	–	Part no. **Euro** Energy
AWB-M-E-AC-AF 201.E06 2C 230	Z022687 **9.825,–** A++	–	–	Part no. **Euro** Energy
AWB-M-E-AC 201.E08 2C 230	–	Z022688 **9.987,–** A++	–	Part no. **Euro** Energy
AWB-M-E-AC-AF 201.E08 2C 230	–	Z022689 **10.065,–** A++	–	Part no. **Euro** Energy
AWB-M-E-AC 201.E10 2C 230	–	–	Z022690 **10.419,–** A++	Part no. **Euro** Energy
AWB-M-E-AC-AF 201.E10 2C 230	–	–	Z022691 **10.506,–** A++	Part no. **Euro** Energy
Specification				
Coefficient of performance (COP) at A7	5.0	5.0	4.9	
Coefficient of performance (COP) at A2	4,0	4,1	4,0	
Heating output range at A7	2.6 - 7.5	2.6 - 9.0	2.6 - 10.4	kW
Heating output range at A2	1.8 - 5.0	1.8 - 6.0	1.8 - 7.1	kW
Flow temperature	60	60	60	°C
Cooling capacity	5.4	6.7	8.8	kW
Energy efficiency ratio (EER)	5.9	5.1	4.9	
Max. cooling capacity	8.5	9.5	10.6	kW
Sound power level	50	50	50	dB(A)
Energy efficiency ηs at W35	185	193	192	%
Energy efficiency ηs at W55	125	130	128	%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	7	8	kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,4	4,4	

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►For further specifications, see section before Accessories.

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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VITOCAL 200-S

Specification

Specification	AWB-M -E-AC 201.E06	AWB-M -E-AC-AF 201.E06	AWB-M -E-AC 201.E08	AWB-M -E-AC-AF 201.E08	AWB-M -E-AC 201.E10	AWB-M -E-AC-AF 201.E10		
Rated heating output A7/W35	5.3	5.3	6.8	6.8	8.3	8.3		
Rated heating output A2/W35	3,8	3,8	4,5	4,5	5.3	5.3		kW
Indoor unit width	450	450	450	450	450	450		mm
Indoor unit height	920	920	920	920	920	920		mm
Indoor unit length	360	360	360	360	360	360		mm
Indoor unit weight	65	65	65	65	65	65		kg
Outdoor unit width	1080	1080	1080	1080	1080	1080		mm
Outdoor unit height	850	850	850	850	850	850		mm
Outdoor unit length	500	500	500	500	500	500		mm
Outdoor unit weight	95	95	95	95	95	95		kg
Dimensions of hot gas line	12	12	16	16	16	16		Ø mm
Dimensions of liquid line	6	6	6	6	6	6		Ø mm

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Specification	AWB-M -E-AC 201.E06 2C	AWB-M -E-AC-AF 201.E06 2C	AWB-M -E-AC 201.E08 2C	AWB-M -E-AC-AF 201.E08 2C	AWB-M -E-AC 201.E10 2C	AWB-M -E-AC-AF 201.E10 2C		
Rated heating output A7/W35	5.3	5.3	6.8	6.8	8.3	8.3		
Rated heating output A2/W35	4.3	4.3	4.7	4.7	5.3	5.3		kW
Indoor unit width	600	600	600	600	600	600		mm
Indoor unit height	920	920	920	920	920	920		mm
Indoor unit length	360	360	360	360	360	360		mm
Indoor unit weight	75	75	75	75	75	75		kg
Outdoor unit width	1080	1080	1080	1080	1080	1080		mm
Outdoor unit height	850	850	850	850	850	850		mm
Outdoor unit length	500	500	500	500	500	500		mm
Outdoor unit weight	95	95	95	95	95	95		kg
Dimensions of hot gas line	12	12	16	16	16	16		Ø mm
Dimensions of liquid line	6	6	6	6	6	6		Ø mm

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Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests

►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

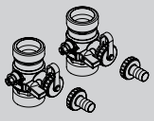
Energy management systems

Viessmann Energy Management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. This enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

Accessories		
Accessories		MG WX
Pre-plumbing jig for surface mounting For split indoor units measuring 450 mm wide ■ Fixings ■ Valves/fittings *Suitable for heating mode only* *We recommend using the ball valve set for cooling mode.* 	ZK06303 **270,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 450 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting ZK06303*	7973232 **101,–**	Part no. **Euro**
Pre-plumbing jig for surface mounting For split indoor units measuring 600 mm wide ■ Fixings ■ Valves/fittings *Suitable for heating mode only* *We recommend using the ball valve set for cooling mode.* 	ZK06304 **357,–**	Part no. **Euro** MG 0
Locking ring fittings for pre-plumbing jig with width of 600 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 8x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting ZK06304*	7973233 **133,–**	Part no. **Euro**
Ball valve set For flushing and venting. Must be added to the order if a pre-plumbing jig is not used. ■ Valves/fittings for flow and return to the outdoor unit 	ZK06057 **71,–**	Part no. **Euro**
Locking ring fittings for ball valve set As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm	7973236 **77,–**	Part no. **Euro**
Valve/fittings cover 450 mm For indoor units measuring 450 mm wide. ■ Colour: Vitopearlwhite ■ Installed directly on the indoor unit	7973427 **78,–**	Part no. **Euro**
Valve/fittings cover 600 mm For indoor units measuring 600 mm wide ■ Colour: Vitopearlwhite ■ Installed directly on the indoor unit	7973428 **84,–**	Part no. **Euro**

Heating circuit		
		MG WX
Ball valve with filter (G 1¼) Ball valve with integral stainless steel water filter For installation in the heating water return, to protect the condenser against contamination	ZK03206 **90,–**	Part no. **Euro**

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Accessories

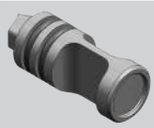
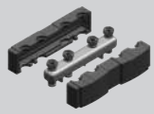
Filters and magnetite separators

		MG VC
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1	7266384 **294,–**	Part no. **Euro**

Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Please note:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	ZK06214 **269,–**		**–**	Part no. **Euro**

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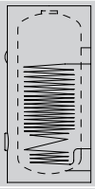
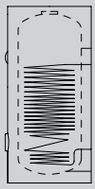
Divicon heating/cooling circuit distributor for heating and cooling mode

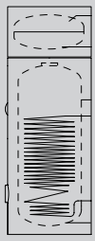
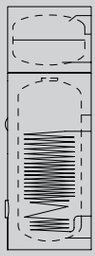
Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		Z026454 **1.396,–** B	**–**	Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		**–**	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header*		Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator)* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.*		Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee and thermal insulation		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Immersion heater Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	–	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z021939 **825,–**			Part no. **Euro**

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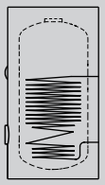
DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V Cylinder capacity (litres)	390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel, with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be fitted. 	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides*

Immersion heater Cylinder capacity (litres)	390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m3) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z026669 **827,–**		Part no. **Euro**

Accessories Cylinder capacity (litres)	390	500	MG W
Solar heat exchanger set For the connection of solar collectors to the Vitocell 100-V/100-W ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation	7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**		Part no. **Euro**

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Cooling accessories		
Cooling		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation *Recommended for applications with only 1 direct heating/cooling circuit without buffer cylinder*	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation *Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder*	7452646 **523,–**	Part no. **Euro**

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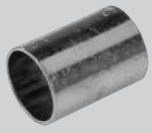
Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive To cover uninsulated components and joints		7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white		7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.		
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249276 **68,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249279 **136,–**	Part no. **Euro**

Accessories		
Connecting elements		MG WU
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249280 **33,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce Spare seal rings for Euro flanged adaptors	7249289 **7,70**	Part no. **Euro**
Copper seal ring 3/4 10 pce Spare seal rings for Euro flanged adaptors	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce Spare seal rings for Euro flanged adaptors	7441119 **10,–**	Part no. **Euro**
Solder ring fittings For connecting copper pipes 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**

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Accessories		
Connecting elements		MG WX
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**

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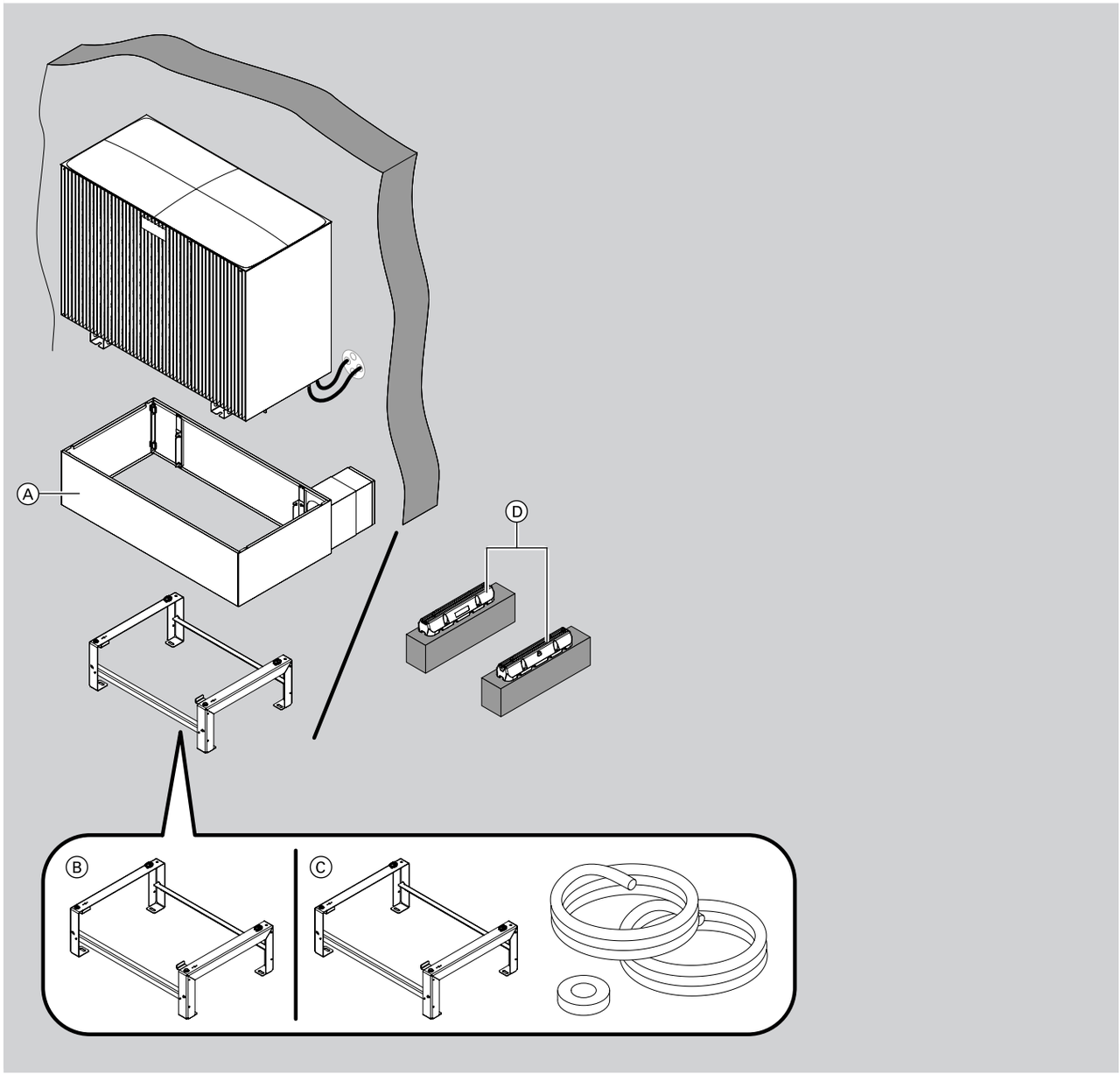
Siting the outdoor unit
Example 1: floor bracket and wall outlet above ground level



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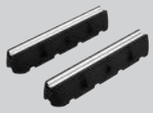
Siting the outdoor unit
Example 1: floor bracket and wall outlet above ground level

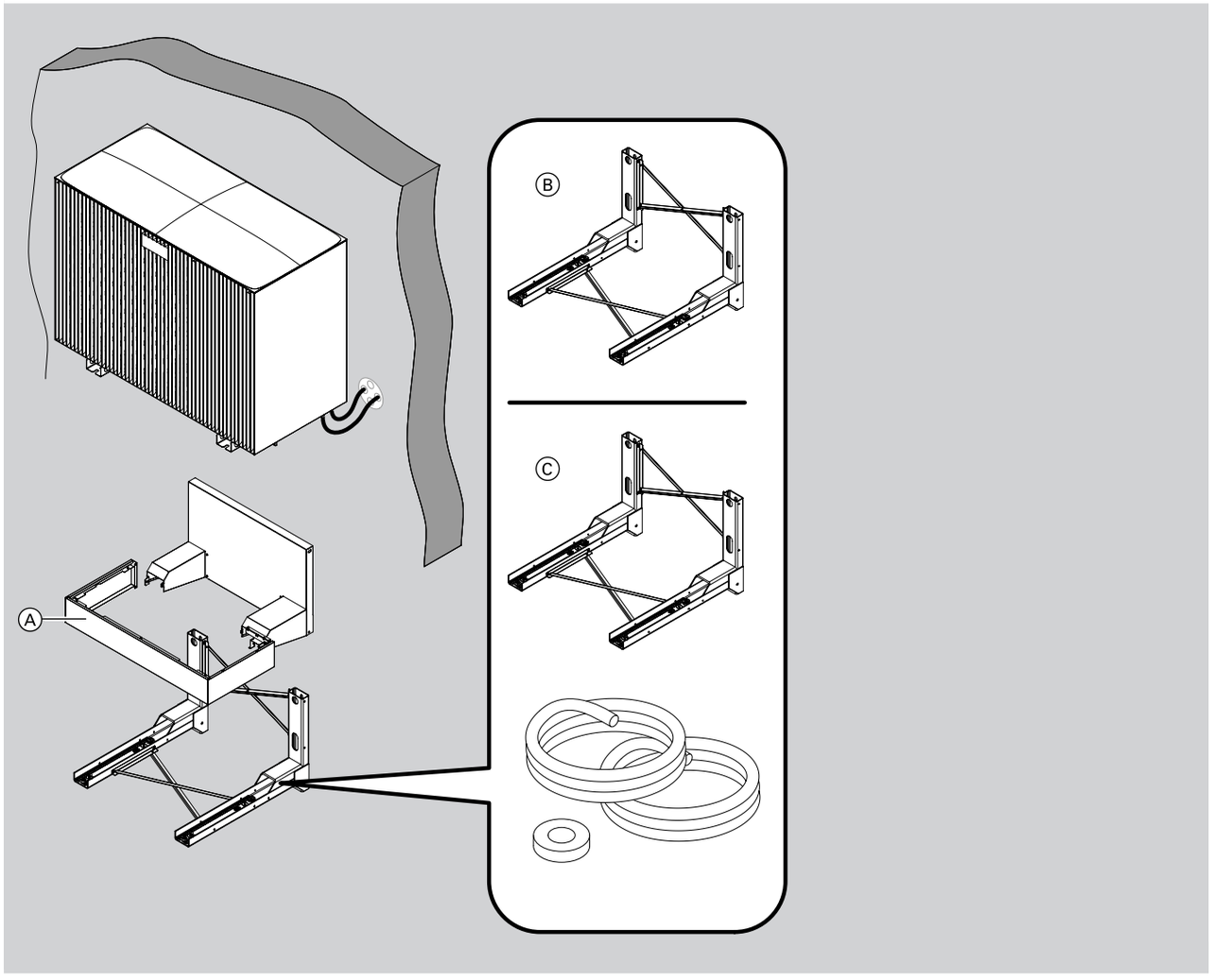
Brackets for outdoor unit

		MG WX
Ⓐ **Design casing for floor bracket incl. wall connection** ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: height 298 mm, width 1080 mm, length (variable) 691 to 835 mm	ZK06307 **576,–**	Part no. **Euro**
Ⓑ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: height 270 mm, width 757 mm, length 459 mm *The design casing for the floor bracket can be retrofitted.*	ZK06305 **209,–**	Part no. **Euro**
Ⓓ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**

Installation sets

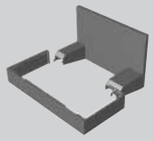
		MG WX
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E04 and E06	ZK06312 **927,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E08 and E10	ZK06313 **1.008,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06316 **754,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06317 **904,–**	Part no. **Euro**

Siting the outdoor unit
Example 2: wall mounting bracket and wall outlet



Siting the outdoor unit
Example 2: wall mounting bracket and wall outlet

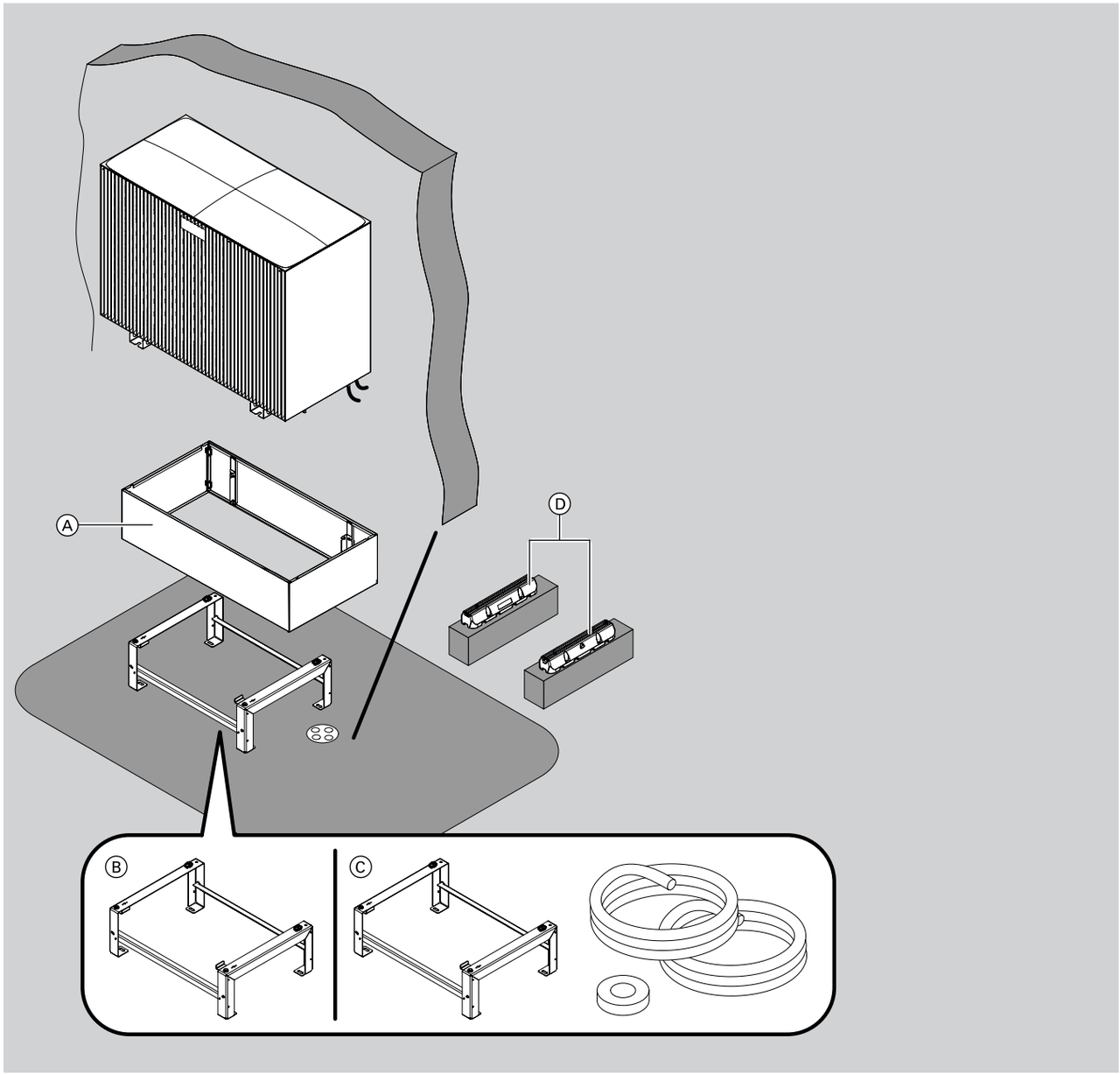
Brackets for outdoor unit

		MG WX
Ⓐ **Design casing for wall mounting bracket** ■ For covering the hydraulic pipework when wall mounted ■ Colour: Vitographite 	ZK06308 **402,–**	Part no. **Euro**
Ⓑ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: height 560 mm, width 815 mm, length 838 mm	ZK06016 **566,–**	Part no. **Euro**

Installation sets

		MG WX
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E04 and E06	ZK06310 **1.284,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E08 and E10	ZK06311 **1.365,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06314 **1.111,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06315 **1.261,–**	Part no. **Euro**

Siting the outdoor unit
Example 3: floor bracket and pipework below ground level



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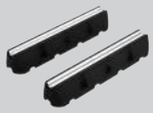
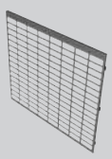
Accessories		
Brackets for outdoor unit		MG WX
Ⓐ **Design casing for floor bracket** ■ For positioning on level ground ■ Colour: Vitographite ■ Dimensions: height 298 mm, width 1080 mm, length 500 mm	ZK06306 **462,–**	Part no. **Euro**
Ⓑ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: height 270 mm, width 757 mm, length 459 mm *The design casing for the floor bracket can be retrofitted.*	ZK06305 **209,–**	Part no. **Euro**
Ⓓ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**
Installation sets		MG WX
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E04 and E06	ZK06312 **927,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E08 and E10	ZK06313 **1.008,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06316 **754,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06317 **904,–**	Part no. **Euro**
Miscellaneous		MG WX
Sealant To seal the wall outlets of refrigerant lines	7441145 **73,–**	Part no. **Euro**
Foam tape Roll, 5 m long	7441146 **21,–**	Part no. **Euro**

Accessories		
Miscellaneous		MG WX
Electric ribbon heater As frost protection for the outdoor unit condensate pan Only where condensate is drained via a hose. ■ Length of ribbon heater 2.5 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04098 **330,–**	Part no. **Euro**
Fan ring heater To protect the fan from freezing For climatic regions with longer frost periods	ZK06023 **270,–**	Part no. **Euro**
Carrying handles for outdoor unit ■ Vitocal 200-S/222-S/250-SH ■ Vitocal 200-A/222-A	ZK02931 **134,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit	ZK02933 **5,–**	Part no. **Euro**
Design casing for grille To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: height 772 mm, width 830 mm, length 20 mm 	ZK06413 **318,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**
Photovoltaics		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system ■ For processing data at the grid connection point for Viessmann One Base heat pumps ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system ■ For processing data at the grid connection point for Viessmann One Base heat pumps ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

6.10

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Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06216 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06217 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06218 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Please note:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

6.10

Remote control units		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair) ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must be added to the order.* ■ *No more than 1 Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** MG Y

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Accessories		
Wireless accessories		MG Y
ViCare thermostatic radiator valve (low power radio) Battery-operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: white. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*		ZK03840 **88,–**	Part no. **Euro**
ViCare floor thermostat (low power radio) Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect. ■ Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators) ■ The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control. ■ An integral frost protection function prevents damage to the fabric of the building. ■ An anti-limescale function prevents the actuator valves from seizing up. ■ Compatible with N/O and N/C thermal actuators. ■ The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value. Standard delivery: ■ ViCare floor thermostat ■ External aerial with connecting cable, 1.3 m long ■ Contact temperature sensor with connecting lead, 1.8 m long and hose clip ■ Connecting cable, 1.2 m long, with plug ■ Tool for operating the pairing button ■ Installation material for wall mounting *Up to 4 ViCare floor thermostats can be supported simultaneously.*		ZK03838 **306,–**	Part no. **Euro**
ViCare climate sensor – temperature and humidity sensor (low power radio) Battery-operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect. ■ The ViCare climate sensor captures the temperature and relative humidity in the room. ■ In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control. Standard delivery: ■ ViCare climate sensor ■ Battery, button cell CR2450, 600 mAh ■ Installation material for wall mounting *A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.*		ZK03839 **54,–**	Part no. **Euro**

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Accessories		
Sensors		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug	7438702 **110,–**	Part no. **Euro**
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**
Heating circuit control unit extension		MG W
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting cable (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer*	ZK04647 **131,–**	Part no. **Euro**
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit*	7151728 **214,–**	Part no. **Euro**
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit*	7151729 **164,–**	Part no. **Euro**
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z025981 **373,–**	Part no. **Euro**

Please note:
Mixer extension kit cannot be used for indoor units with 2 integral heating/cooling circuits (types ...2C).
►For information on ViGuide for commissioning, diagnostics and service, see www.viguide.info.

Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on a top-hat rail. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for connection to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/TCP communication standard. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/RTU communication standard. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted 	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, see Register 11.5 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

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VITOCAL 222-S

Air source heat pumps
Compact appliances, split version
1.8 to 7.1 kW (A2/W35)
2.6 to 10.4 kW (A7/W35)

EHPA Quality Label

Heat Pump KEYMARK certified

Vitocal 222-S

Up to 60 °C flow temperature.
Type AWBT-M-E-AC 221.E (2C) and AWB-M-E-AC-AF 221.E (2C)
Heat pump with electric drive in split design with outdoor and indoor unit.

- For room heating/cooling and DHW heating
- Indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way diverter valve, bypass and defrost buffer
- Integral 190 l DHW cylinder
- Integral instantaneous heating water heater
- Integral 16 l buffer cylinder and 18 l expansion vessel

Versions:

- 2C: with integral 2nd heating circuit
- AF: with integral electric ribbon heater for the condensate pan

Permissible operating pressure: heating water 3 bar (0.3 MPa).
Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitographite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.0 at A7/W35
- Output control and DC inverter for high efficiency in partial load operation
- Self-optimising control of the flow rate via Viessmann Hydro AutoControl
- Indoor unit can be split for easy handling
- Environmentally responsible refrigerant R32 with a low GWP value (global warming potential) of 771
- Convenient reversible design that enables heating and cooling
- Optimised utilisation of power generated on site by photovoltaic systems
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and ViGuide
- Guided commissioning via ViGuide

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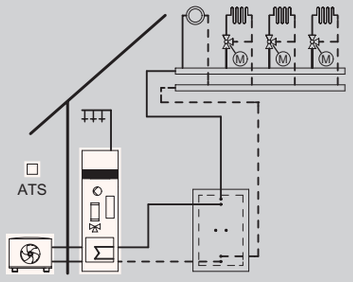
VITOCAL 222-S

Compact heat pumps, split version
Vitocal 222-S, type AWBT-M-E-AC 221.E/AWBT-M-E-AC-AF 221.E
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer
- DHW heating

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

SG Ready

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating circuits with mixer and optimisation of self-consumption: see Accessories.

6.11

Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral condenser
- Integral 4/3-way valve for room heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- 18 l diaphragm expansion vessel
- Integral 16 l buffer cylinder
- Integral instantaneous heating water heater
- Integral safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral flow sensor

Outdoor unit
- Factory-filled with refrigerant (R32), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan
- AF version: with integral electric ribbon heater for the condensate pan

Please note:
A hydraulic connection set **must** be added to the order to install the appliances; see Accessories.

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	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 5.3 5.5	6.8 6.7	8.3 7.8		MG WS
	AWBT-M-E-AC 221.E06 **230**	Z022720 **10.016,–** A++ A	–	–		Part no. **Euro**
	AWBT-M-E-AC-AF 221.E06 **230**	Z022721 **10.091,–** A++ A	–	–		Part no. **Euro**
	AWBT-M-E-AC 221.E08 **230**	–	Z022722 **10.280,–** A++ A	–		Part no. **Euro**
	AWBT-M-E-AC-AF 221.E08 **230**	–	Z022723 **10.358,–** A++ A	–		Part no. **Euro**
	AWBT-M-E-AC 221.E10 **230**	–	–	Z022724 **10.712,–** A++ A		Part no. **Euro**
	AWBT-M-E-AC-AF 221.E10 **230**	–	–	Z022725 **10.799,–** A++ A		Part no. **Euro**

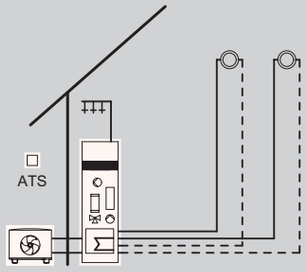
Specification					
Coefficient of performance (COP) at A7	5.0	5.0	4.9		
Coefficient of performance (COP) at A2	4,0	4,1	4,0		
Heating output range at A7	2.6 - 7.5	2.6 - 9.0	2.6 - 10.4		kW
Heating output range at A2	1.8 - 5.0	1.8 - 6.0	1.8 - 7.1		kW
Flow temperature	60	60	60		°C
Cooling capacity	5.4	6.7	8.8		kW
Energy efficiency ratio (EER)	5.9	5.1	4.9		
Max. cooling capacity	8.5	9.5	10.6		kW
Sound power level	50	50	50		dB(A)
Cylinder capacity	190	190	190		l
Energy efficiency ηs at W35	185	193	192		%
Energy efficiency ηs at W55	125	130	128		%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	7	8		kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,4	4,4		

►For further specifications, see section before Accessorie

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 222-S

Compact heat pumps, split version
Vitocal 222-S, type AWBT-M-E-AC 221.E 2C/AWBT-M-E-AC-AF 221.E 2C
Heating and cooling

Heating system	Control unit
	**Heat pump control unit for weather-compensated mode**
■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer ■ or ■ 2 heating/cooling circuits without mixer ■ DHW heating	■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Additional accessories are required for optimisation of self-consumption: see Accessories.

SG Ready

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Please note:
The heat pumps must be commissioned by a specialist heat pump contractor trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Integral condenser
- Integral 4/3-way valve for room heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- 18 l diaphragm expansion vessel
- Integral 16 l buffer cylinder
- Integral instantaneous heating water heater
- Integral safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral flow sensor
- Integral 2nd heating/cooling circuit

Outdoor unit
- Factory-filled with refrigerant (R32), with single line length of up to 10 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan
- AF version: with integral electric ribbon heater for the condensate pan

Please note:
A hydraulic connection set **must** be added to the order to install the appliances; see Accessories.

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 5.3 5.5	 6.8 6.7	 8.3 7.8		MG WS
AWBT-M-E-AC 221.E06 2C 230	Z022736 **11.456,–** A++ A	–	–		Part no. **Euro**
AWBT-M-E-AC-AF 221.E06 2C 230	Z022737 **11.531,–** A++ A	–	–		Part no. **Euro**
AWBT-M-E-AC 221.E08 2C 230	–	Z022738 **11.719,–** A++ A	–		Part no. **Euro**
AWBT-M-E-AC-AF 221.E08 2C 230	–	Z022739 **11.797,–** A++ A	–		Part no. **Euro**
AWBT-M-E-AC 221.E10 2C 230	–	–	Z022740 **12.151,–** A++ A		Part no. **Euro**
AWBT-M-E-AC-AF 221.E10 2C 230	–	–	Z022741 **12.238,–** A++ A		Part no. **Euro**

Specification					
Coefficient of performance (COP) at A7	5.0	5.0	4.9		
Coefficient of performance (COP) at A2	4,0	4,1	4,0		
Heating output range at A7	2.6 - 7.5	2.6 - 9.0	2.6 - 10.4		kW
Heating output range at A2	1.8 - 5.0	1.8 - 6.0	1.8 - 7.1		kW
Flow temperature	60	60	60		°C
Cooling capacity	5.4	6.7	8.8		kW
Energy efficiency ratio (EER)	5.9	5.1	4.9		
Max. cooling capacity	8.5	9.5	10.6		kW
Sound power level	50	50	50		dB(A)
Cylinder capacity	190	190	190		l
Energy efficiency ηs at W35	185	193	192		%
Energy efficiency ηs at W55	125	130	128		%
Nominal heat output, medium temperature use medium climate conditions (Prated)	6	7	8		kW
COPd + 7 °C by medium temperature use, medium climate conditions	4,2	4,4	4,4		

►For further specifications, see section before Accessories.

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 222-S

Specification

Specification	AWBT-M -E-AC 221.E06	AWBT-M -E-AC-AF 221.E06	AWBT-M -E-AC 221.E08	AWBT-M -E-AC-AF 221.E08	AWBT-M -E-AC 221.E10	AWBT-M -E-AC-AF 221.E10		
Rated heating output A7/W35	5.3	5.3	6.8	6.8	8.3	8.3		kW
Rated heating output A2/W35	3,8	3,8	4,5	4,5	5,3	5,3		kW
Indoor unit width	600	600	600	600	600	600		mm
Indoor unit height	1900	1900	1900	1900	1900	1900		mm
Indoor unit length	597	597	597	597	597	597		mm
Indoor unit weight	187	187	188	188	188	188		kg
Outdoor unit width	1080	1080	1080	1080	1080	1080		mm
Outdoor unit height	850	850	850	850	850	850		mm
Outdoor unit length	500	500	500	500	500	500		mm
Outdoor unit weight	95	95	95	95	95	95		kg
Dimensions of hot gas line	12	12	16	16	16	16		Ø mm
Dimensions of liquid line	6	6	6	6	6	6		Ø mm

Specification	AWBT-M-E-AC 221.E06 2C	AWBT-M-E-AC-AF 221.E06 2C	AWBT-M-E-AC 221.E08 2C	AWBT-M-E-AC-AF 221.E08 2C	AWBT-M-E-AC 221.E10 2C	AWBT-M-E-AC-AF 221.E10 2C		
Rated heating output A7/W35	5.3	5.3	6.8	6.8	8.3	8.3		kW
Rated heating output A2/W35	3,8	3,8	4,5	4,5	5,3	5,3		kW
Indoor unit width	600	600	600	600	600	600		mm
Indoor unit height	1900	1900	1900	1900	1900	1900		mm
Indoor unit length	597	597	597	597	597	597		mm
Indoor unit weight	189	189	189	189	190	190		kg
Outdoor unit width	1080	1080	1080	1080	1080	1080		mm
Outdoor unit height	850	850	850	850	850	850		mm
Outdoor unit length	500	500	500	500	500	500		mm
Outdoor unit weight	95	95	95	95	95	95		kg
Dimensions of hot gas line	12	12	16	16	16	16		Ø mm
Dimensions of liquid line	6	6	6	6	6	6		Ø mm

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Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

Energy management systems

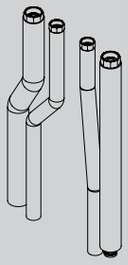
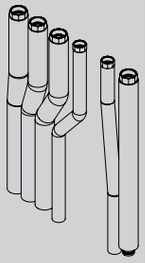
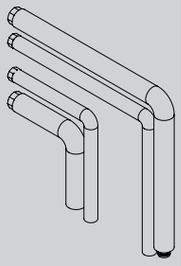
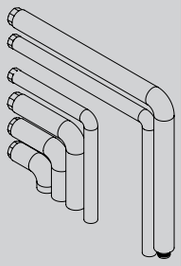
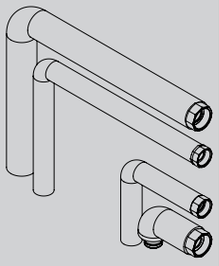
Viessmann Energy Management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. This enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems.
The energy management system provides extensive information on electricity flows and CO_2 reduction.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

Accessories

Accessories		MG WX
Notes: ■ A hydraulic connection set must be added to the order to install the appliances. ■ Where "to the left/to the right" is specified, this is when viewed from the front.		
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, upward connection ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06401 **160,–**	Part no. **Euro**
Hydraulic connection set for 2 heating/cooling circuits, surface mounting, upward connection ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06404 **249,–**	Part no. **Euro**
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, connection to the left ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06402 **160,–**	Part no. **Euro**
Hydraulic connection set for 2 heating/cooling circuits, surface mounting, connection to the left ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06405 **249,–**	Part no. **Euro**
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, connection to the right ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06403 **160,–**	Part no. **Euro**

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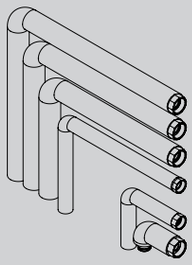
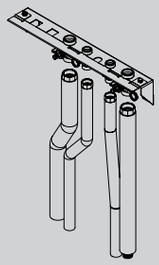
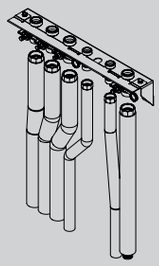
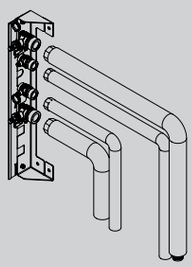
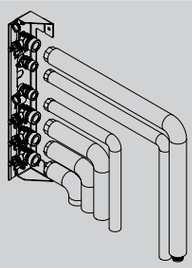
Accessories

Accessories		
		MG WX
Hydraulic connection set for 2 heating/cooling circuits, surface mounting, connection to the right ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06406 **249,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, upward connection ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06407 **284,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 2 heating/cooling circuits, surface mounting, upward connection ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06410 **430,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, connection to the left ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06408 **284,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 2 heating/cooling circuits, surface mounting, connection to the left ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06411 **430,–**	Part no. **Euro**

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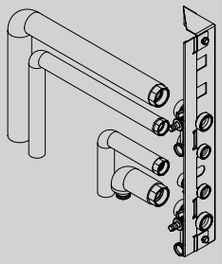
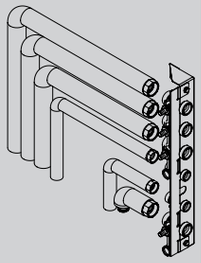
Accessories

Accessories		MG WX
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, connection to the right ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06409 **284,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 2 heating/cooling circuits, surface mounting, connection to the right ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06412 **430,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 450 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jigs for compact appliances, 1 or 2 heating/cooling circuit(s)*	7973232 **101,–**	Part no. **Euro**
Connection set for DHW circulation (for on-site circulation pumps) ■ Pipe assembly with thermal insulation	ZK06228 **91,–**	Part no. **Euro**
DHW circulation connection set ■ High efficiency circulation pump ■ Pipe assembly with thermal insulation	ZK06064 **388,–**	Part no. **Euro**

Heating circuit

Heating circuit		MG WX
Ball valve with filter (G 1¼) Ball valve with integral stainless steel water filter. For installation in the heating water return, to protect the condenser against contamination.	ZK03206 **90,–**	Part no. **Euro**

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Accessories		
Filters and magnetite separators		MG VC
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1	7266384 **294,–**	Part no. **Euro**

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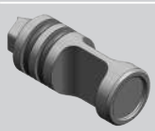
Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Please note:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)	ZK06214 **269,–**		**–**	Part no. **Euro** MG WX

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Divicon heating/cooling circuit distributor for heating and cooling mode

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

DHW heating accessories

Accessories

MG W

Impressed current anode
- Maintenance-free
- In place of the protective magnesium anode supplied

Z004247
525,–
Part no.
Euro

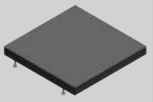
Safety assembly to DIN 1988 (DN 20, R ¾)
- Diaphragm safety valve 10 bar (1 MPa)
- Shut-off valve
- Non-return valve and test connector
- Pressure gauge connector

7180662
251,–
Part no.
Euro

Miscellaneous

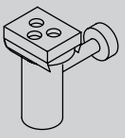
MG WX

Platform for unfinished floors
For siting the appliance on unfinished floors.
- Height-adjustable, for screed heights of 10 to 18 cm
- Incl. thermal insulation



7417925
474,–
Part no.
Euro

Drain outlet kit
Drain outlet with trap and bezel DN 40.



7176014
35,–
Part no.
Euro
MG W

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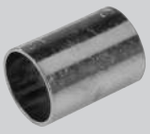
Cooling accessories		
Cooling		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation *Recommended for applications with only 1 direct heating/cooling circuit without buffer cylinder*	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation *Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder*	7452646 **523,–**	Part no. **Euro**

Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive. To cover uninsulated components and joints.	7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white	7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.		
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249276 **68,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249279 **136,–**	Part no. **Euro**

Accessories		
Connecting elements		MG WU
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249280 **33,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance.		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce. Spare seal rings for Euro flanged adaptors.	7249289 **7,70**	Part no. **Euro**
Copper seal ring 3/4 10 pce. Spare seal rings for Euro flanged adaptors.	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce. Spare seal rings for Euro flanged adaptors.	7441119 **10,–**	Part no. **Euro**
Solder ring fittings For connecting copper pipes. 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**

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Accessories		
Connecting elements		MG WX
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**

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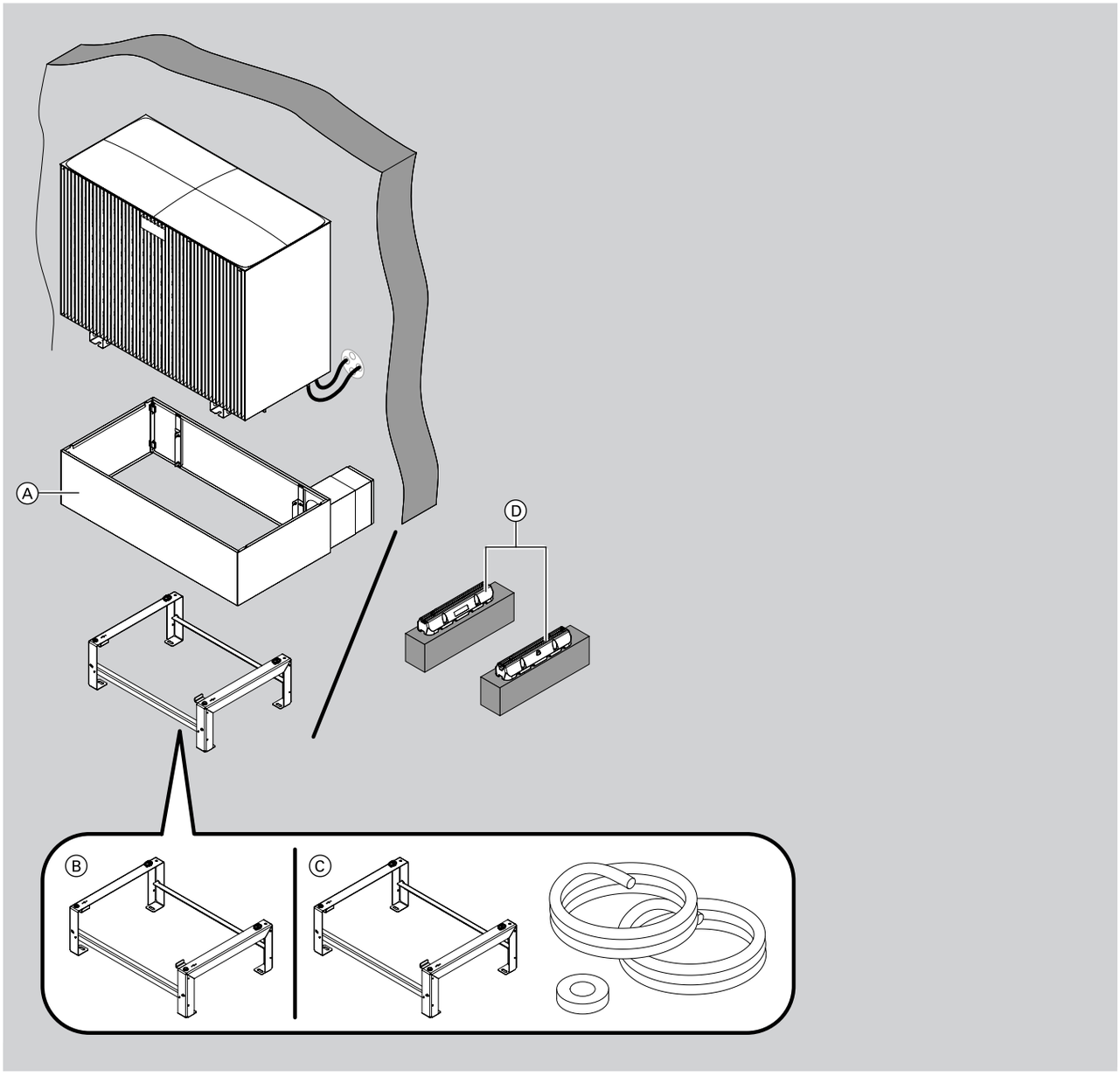
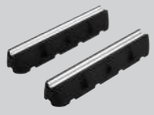
Siting the outdoor unit
Example 1: floor bracket and wall outlet above ground level



Siting the outdoor unit
Example 1: floor bracket and wall outlet above ground level

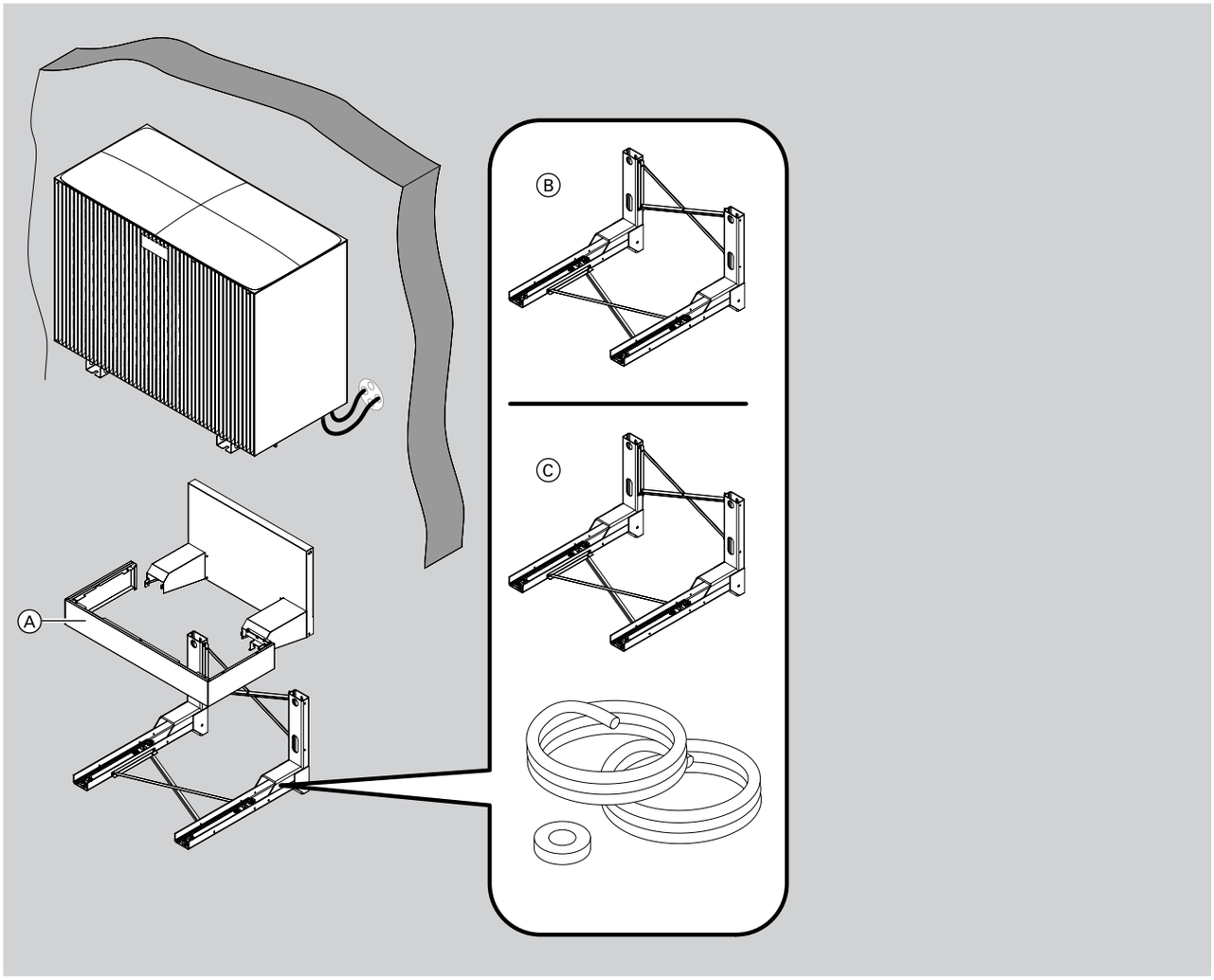
Brackets for outdoor unit

		MG WX
Ⓐ **Design casing for floor bracket incl. wall connection** ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: height 298 mm, width 1080 mm, length (variable) 691 to 835 mm	ZK06307 **576,–**	Part no. **Euro**
Ⓑ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: height 270 mm, width 757 mm, length 459 mm *The design casing for the floor bracket can be retrofitted.*	ZK06305 **209,–**	Part no. **Euro**
Ⓓ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**

Installation sets

		MG WX
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E04 and E06	ZK06312 **927,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E08 and E10	ZK06313 **1.008,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06316 **754,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06317 **904,–**	Part no. **Euro**

Siting the outdoor unit
Example 2: wall mounting bracket and wall outlet



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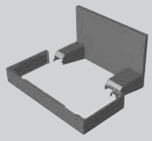
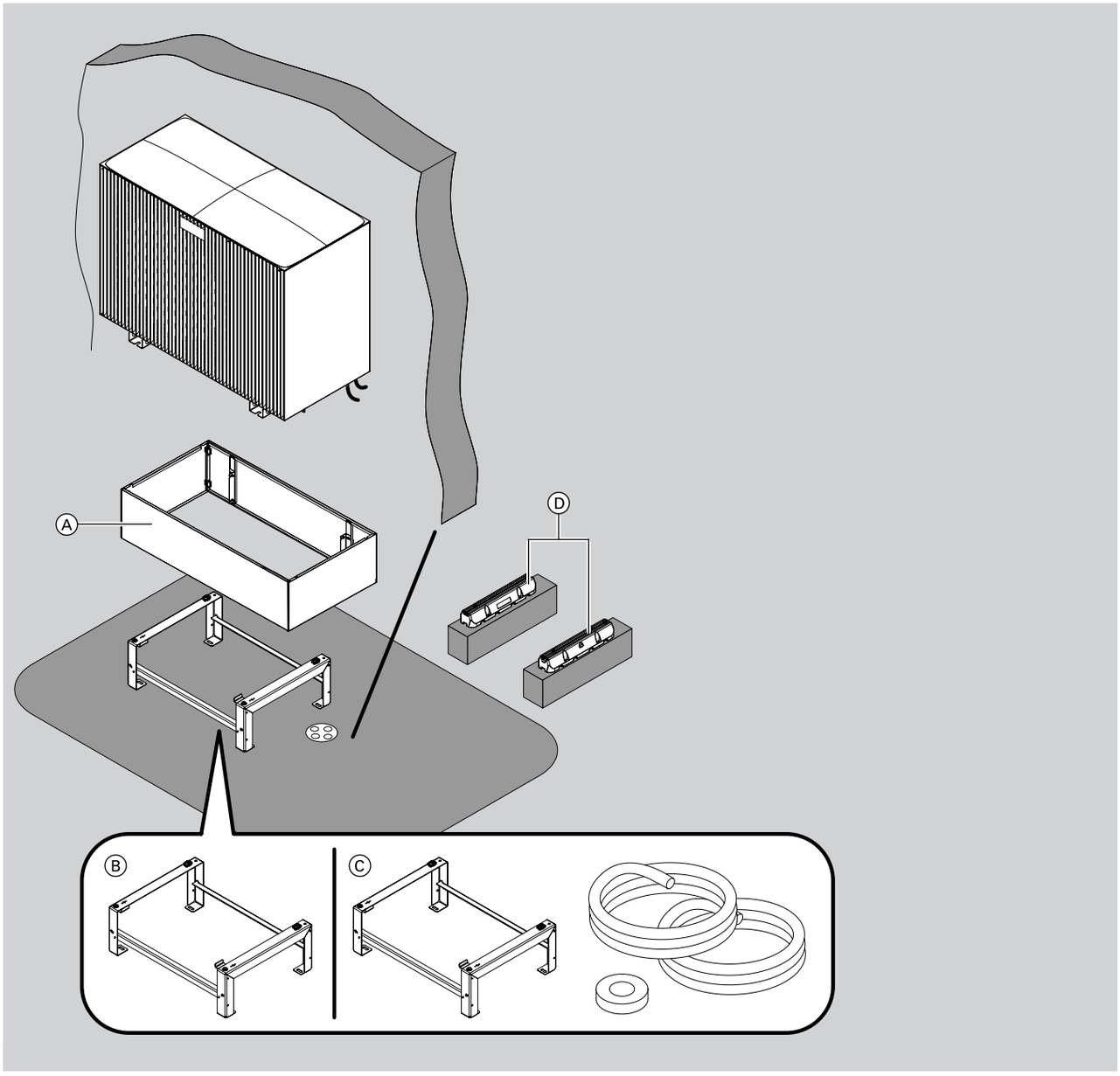
Siting the outdoor unit Example 2: wall mounting bracket and wall outlet		
Brackets for outdoor unit		MG WX
Ⓐ **Design casing for wall mounting bracket** ■ For covering the hydraulic pipework when wall mounted ■ Colour: Vitographite 	ZK06308 **402,–**	Part no. **Euro**
Ⓑ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: height 560 mm, width 815 mm, length 838 mm	ZK06016 **566,–**	Part no. **Euro**
Installation sets		MG WX
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E04 and E06	ZK06310 **1.284,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E08 and E10	ZK06311 **1.365,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06314 **1.111,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06315 **1.261,–**	Part no. **Euro**

Siting the outdoor unit
Example 3: floor bracket and pipework below ground level



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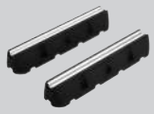
Accessories		
Brackets for outdoor unit		MG WX
Ⓐ **Design casing for floor bracket** ■ For positioning on level ground ■ Colour: Vitographite ■ Dimensions: height 298 mm, width 1080 mm, length 500 mm	ZK06306 **462,–**	Part no. **Euro**
Ⓑ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: height 270 mm, width 757 mm, length 459 mm *The design casing for the floor bracket can be retrofitted.*	ZK06305 **209,–**	Part no. **Euro**
Ⓓ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**
Installation sets		MG WX
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E04 and E06	ZK06312 **927,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .E08 and E10	ZK06313 **1.008,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06316 **754,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white.	ZK06317 **904,–**	Part no. **Euro**

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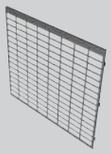
Accessories		
Miscellaneous		MG WX
Electric ribbon heater As frost protection for the outdoor unit condensate pan. Only where condensate is drained via a hose. ■ Length of ribbon heater 2.5 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04098 **330,–**	Part no. **Euro**
Fan ring heater To protect the fan from freezing For climatic regions with longer frost periods	ZK06023 **270,–**	Part no. **Euro**
Carrying handles for outdoor unit ■ Vitocal 200-S/222-S/250-SH ■ Vitocal 200-A/222-A	ZK02931 **134,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Sealant To seal the wall outlets of refrigerant lines.	7441145 **73,–**	Part no. **Euro**
Foam tape Roll, 5 m long.	7441146 **21,–**	Part no. **Euro**
Design casing for grille To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: height 772 mm, width 830 mm, length 20 mm 	ZK06413 **318,–**	Part no. **Euro**
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro** MG WU
Photovoltaics		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

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Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06216 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06217 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06218 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Please note:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

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Remote control units		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must be added to the order.* ■ *No more than 1 Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** MG Y

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Accessories		
Wireless accessories		MG Y
ViCare thermostatic radiator valve (low power radio) Battery-operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: white. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*		ZK03840 **88,–**	Part no. **Euro**
ViCare floor thermostat (low power radio) Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect. ■ Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators) ■ The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control. ■ An integral frost protection function prevents damage to the fabric of the building. ■ An anti-limescale function prevents the actuator valves from seizing up. ■ Compatible with N/O and N/C thermal actuators. ■ The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value. Standard delivery: ■ ViCare floor thermostat ■ External aerial with connecting cable, 1.3 m long ■ Contact temperature sensor with connecting lead, 1.8 m long and hose clip ■ Connecting cable, 1.2 m long, with plug ■ Tool for operating the pairing button ■ Installation material for wall mounting *Up to 4 ViCare floor thermostats can be supported simultaneously.*		ZK03838 **306,–**	Part no. **Euro**

Accessories		
Wireless accessories		MG Y
ViCare climate sensor – temperature and humidity sensor (low power radio) Battery-operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect. ■ The ViCare climate sensor captures the temperature and relative humidity in the room. ■ In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control. Standard delivery: ■ ViCare climate sensor ■ Battery, button cell CR2450, 600 mAh ■ Installation material for wall mounting *A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.*	ZK03839 **54,–**	Part no. **Euro**

Accessories		
Sensors		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug	7438702 **110,–**	Part no. **Euro**
Heating circuit control unit extension		MG W
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting cable (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z025981 **373,–**	Part no. **Euro**

Please note:
Mixer extension kit cannot be used for indoor units with 2 integral heating/cooling circuits (types ...2C).

►For information on ViGuide for commissioning, diagnostics and service, see www.viguide.info.

Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on a top-hat rail. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for connection to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/TCP communication standard. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/RTU communication standard. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted 	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, see Register 11.5 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

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VITOCAL 250-SH

Air source heat pumps for hybrid operation
Split version
1.8 to 7.1 kW (A2/W35)
2.6 to 10.4 kW (A7/W35)

EHPA Quality Label

Heat Pump KEYMARK certified

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Vitocal 250-SH

Up to 60 °C flow temperature

Type HAWB-M-AC 252.B and HAWB-M-AC-AF 252.B
Heat pump with electric drive in split design with outdoor and indoor unit
- For room heating/cooling and DHW heating
- Indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way valve
- Integral mixer for connecting an external heat generator
- Integral 16 l buffer cylinder and 18 l expansion vessel

Types ...AF: with integral electric ribbon heater in the condensate pan

Permissible operating pressure: heating water 3 bar (0.3 MPa).

Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitographite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: up to 5.0 at A7/W35
- Self-optimising control of the flow rate via Viessmann Hydro AutoControl
- Environmentally responsible refrigerant R32 with a low GWP value (global warming potential) of 771
- Convenient reversible design that enables heating and cooling
- Optimised utilisation of power generated on site by photovoltaic systems
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and ViGuide
- Guided commissioning via ViGuide

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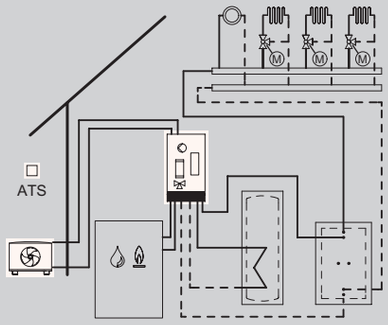
VITOCAL 250-SH

Air source heat pumps for hybrid operation, split version
Vitocal 250-SH, type HAWB-M-AC 252.B
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Integral control of the external heat generator via 0 to 10 V and potential-free contact ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: see Accessories.

Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral 4/3-way valve for room heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Diaphragm expansion vessel with 18 l
- Integral 16 l buffer cylinder
- Integral hybrid hydraulics and interfaces for controlling the external heat generator
- Integral safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral flow sensor
- Wall mounting bracket and standard connection pipework

Outdoor unit
- Factory-filled with refrigerant (R32), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan

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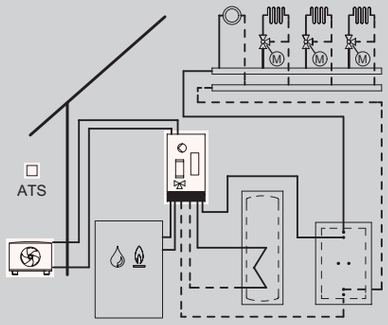
	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 5.3 5.5	 6.8 6.7	 8.3 7.8		MG WS
	HAWB-M-AC 252.B06 **230**	Z024777 **8.466,–** A++	–	–		Part no. **Euro** Energy
	HAWB-M-AC 252.B08 **230**	–	Z024779 **8.806,–** A++	–		Part no. **Euro** Energy
	HAWB-M-AC 252.B10 **230**	–	–	Z024781 **9.238,–** A++		Part no. **Euro** Energy
	Specification					
	Coefficient of performance (COP) at A7	5.0	5.0	4.9		
	Heating output range at A7	2.6 - 7.5	2.6 - 9.0	2.6 - 10.4		kW
	Rated heating output A2/W35	4.3	4.7	5.3		kW
	Heating output range at A2	1.8 - 5.0	1.8 - 6.0	1.8 - 7.1		kW
	Flow temperature	60	60	60		°C
	Sound power level	50	50	50		dB(A)
	Cooling capacity	5.4	6.7	8.8		kW
	Energy efficiency ratio (EER)	5.9	5.1	4.9		
	Max. cooling capacity	8.5	9.5	10.6		kW
	Indoor unit width	600	600	600		mm
	Indoor unit height	920	920	920		mm
	Indoor unit length	360	360	360		mm
	Indoor unit weight	70	70	70		kg
	Outdoor unit width	1080	1080	1080		mm
	Outdoor unit height	850	850	850		mm
	Outdoor unit length	500	500	500		mm
	Outdoor unit weight	95	95	95		kg
	Dimensions of hot gas line	12	16	16		Ø mm
	Dimensions of liquid line	6	6	6		Ø mm
	Energy efficiency ηs at W35	185	193	192		%
	Energy efficiency ηs at W55	125	130	128		%

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 250-SH

Air source heat pumps for hybrid operation, split version
Vitocal 250-SH, type HAWB-M-AC-AF 252.B
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Integral control of the external heat generator via 0 to 10 V and potential-free contact ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: see Accessories.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

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Please note:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

Standard delivery:

Complete heat pump in split design, comprising an indoor and outdoor unit

Indoor unit
- Integral condenser
- Integral 4/3-way valve for room heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Diaphragm expansion vessel with 18 l
- Integral 16 l buffer cylinder
- Integral hybrid hydraulics and interfaces for controlling the external heat generator
- Integral safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral flow sensor
- Wall mounting bracket and standard connection pipework

Outdoor unit
- Factory-filled with refrigerant (R32), with single line length of up to 12 m, flange connections, inverter-controlled compressor, reversing valve, electronic expansion valve, evaporator and EC fan
- With integral electric ribbon heater for the condensate pan

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	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 5.3 5.5	 6.8 6.7	 8.3 7.8		MG WS
	HAWB-M-AC-AF 252.B06 **230**	Z024778 **8.541,–** A++	–	–		Part no. **Euro** Energy
	HAWB-M-AC-AF 252.B08 **230**	–	Z024780 **8.884,–** A++	–		Part no. **Euro** Energy
	HAWB-M-AC-AF 252.B10 **230**	–	–	Z024782 **9.325,–** A++		Part no. **Euro** Energy

Specification					
Coefficient of performance (COP) at A7	5.0	5.0	4.9		
Heating output range at A7	2.6 - 7.5	2.6 - 9.0	2.6 - 10.4		kW
Rated heating output A2/W35	4.3	4.7	5.3		kW
Heating output range at A2	1.8 - 5.0	1.8 - 6.0	1.8 - 7.1		kW
Flow temperature	60	60	60		°C
Sound power level	50	50	50		dB(A)
Cooling capacity	5.4	6.7	8.8		kW
Energy efficiency ratio (EER)	5.9	5.1	4.9		
Max. cooling capacity	8.5	9.5	10.6		kW
Indoor unit width	600	600	600		mm
Indoor unit height	920	920	920		mm
Indoor unit length	360	360	360		mm
Indoor unit weight	70	70	70		kg
Outdoor unit width	1080	1080	1080		mm
Outdoor unit height	850	850	850		mm
Outdoor unit length	500	500	500		mm
Outdoor unit weight	95	95	95		kg
Dimensions of hot gas line	12	16	16		Ø mm
Dimensions of liquid line	6	6	6		Ø mm
Energy efficiency ηs at W35	185	193	192		%
Energy efficiency ηs at W55	125	130	128		%

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Mobile applications and Energy Management Systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

In addition to the free version, ViGuide Plus and ViGuide Pro are also available as paid-for versions with additional analysis, remote maintenance and optimisation functions.

►For more information on system requirements and ViGuide registration and usage, see **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.
Intelligent Heat Control ensures that heat generation is matched precisely to individual requirements whilst also minimising energy usage (available as part of the paid-for ViCare Plus Savings Assistant).

►For more information on system requirements, registration and usage, see Register 1.2

Energy management systems

Viessmann Energy Management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. This enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

►For suitable accessory packs for energy management, see Register 11.

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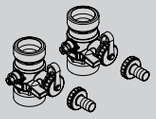
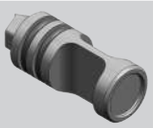
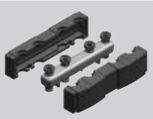
Accessories

Accessories		
Accessories		MG WX
Pre-plumbing jig for surface mounting For split indoor units measuring 600 mm wide ■ Fixings ■ Valves/fittings *Suitable for heating mode only.* *We recommend using the ball valve set for cooling mode.*	ZK06304 **357,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 600 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 8x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting*	7973233 **133,–**	Part no. **Euro**
Ball valve set For flushing and venting. Must be added to the order if a pre-plumbing jig is not used. ■ Valves/fittings for flow and return to the outdoor unit 	ZK06057 **71,–**	Part no. **Euro**
Locking ring fittings for ball valve set As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm	7973236 **77,–**	Part no. **Euro**
Valve/fittings cover 600 mm For indoor units measuring 600 mm wide ■ Colour: Vitopearlwhite ■ Installed directly on the indoor unit	7973428 **84,–**	Part no. **Euro**
Heating circuit		MG WX
Ball valve with filter (G 1¼) Ball valve with integral stainless steel water filter. For installation in the heating water return, to protect the condenser against contamination.	ZK03206 **90,–**	Part no. **Euro**
Filters and magnetite separators		MG VC
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1	7266384 **294,–**	Part no. **Euro**

Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	¾"	DN 25 - 1"	1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Please note:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	¾"	DN 25 - 1"	1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.		ZK04322 **16,–**		Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)		7465894 **60,–**		Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 		7464889 **21,–**		Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	ZK06214 **269,–**		**–**	Part no. **Euro** MG WX

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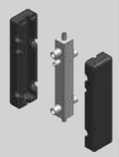
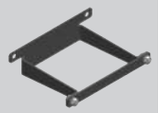
Divicon heating/cooling circuit distributor for heating and cooling mode

Divicon accessories

Connection to the heating/cooling circuit (nominal diameter)	¾"	DN 25 - 1"	1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**		Part no. **Euro**

Low loss header

		MG W
Low loss header, type Q70 ■ Heating water flow rate of up to 3 m³/h ■ R 1 female connector ■ Rp ½ sleeves for air vent valve, drain and sensor well for temperature sensor ■ With air vent valve and sensor well ■ With EPP insulation to EnEV 	ZK03679 **207,–**	Part no. **Euro**
Wall mounting bracket for low loss header, type Q70 With fixing materials 	ZK03682 **54,–**	Part no. **Euro**

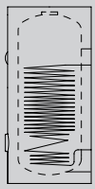
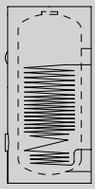
Please note:
For sizing the low loss header, please observe the technical guides.

Sensors

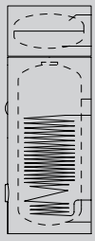
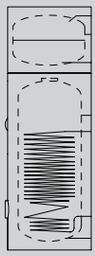
		MG W
Immersion temperature sensor (for low loss header) To capture the low loss header temperature ■ With connecting lead and plug	ZK04032 **106,–**	Part no. **Euro**
Contact temperature sensor (NTC 10 kOhm) ■ To capture the temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**

DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header*		Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.*		Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater

Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell		–	Z012684 **617,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating/cooling water buffer cylinder

Immersion heater

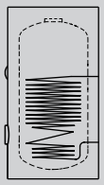
Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell		Z021939 **825,–**		Part no. **Euro**

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V

Cylinder capacity (litres)	390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be fitted. 	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater

Cylinder capacity (litres)	390	500	MG WH
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m3) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Flange cover, colour: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z026669 **827,–**		Part no. **Euro**

Accessories

Cylinder capacity (litres)	390	500	MG W
Solar heat exchanger set For the connection of solar collectors to the Vitocell 100-V ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation	7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**		Part no. **Euro**

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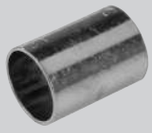
Cooling accessories

Cooling

MG WX

Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with only one direct heating/cooling circuit without buffer cylinder.	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.	7452646 **523,–**	Part no. **Euro**

Accessories		
Refrigerant lines for connecting permanently installed split units		MG WU
Copper pipe with thermal insulation ■ Single pipe in SF copper (EN 12735-1) for flanged or solder fittings ■ Colour of thermal insulation: white		
Copper pipe with thermal insulation ■ 6 x 1 mm ■ 25 m coil Liquid line	7249274 **374,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 12 x 1 mm ■ 25 m coil Hot gas line	7249272 **688,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 16 x 1 mm ■ 25 m coil Hot gas line	7441106 **693,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/4" x 0.8 mm ■ 50 m coil Liquid line	7441108 **440,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 1/2" x 0.8 mm ■ 50 m coil Hot gas line	7441110 **859,–**	Part no. **Euro**
Copper pipe with thermal insulation ■ 5/8" x 1 mm ■ 25 m coil Hot gas line	7441111 **550,–**	Part no. **Euro**
Thermal insulation for refrigerant lines		MG WU
Thermal insulating tape 10 m roll, 50 x 3 mm. Colour: white. Self-adhesive. To cover uninsulated components and joints.		7249275 **39,–**	Part no. **Euro**
PVC adhesive tape 50 mm wide, colour: white		7249281 **43,–**	Part no. **Euro**
Connecting elements		MG WU
Connector For joining copper pipes without soldering. 2 flanged union nuts are required for each connector.			
Connector 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249276 **68,–**	Part no. **Euro**
Connector 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249279 **136,–**	Part no. **Euro**

Accessories		
Connecting elements		MG WU
Connector 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441113 **123,–**	Part no. **Euro**
Flanged union nuts		
Flanged union nut 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce.	7249280 **33,–**	Part no. **Euro**
Flanged union nut 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce.	7249283 **68,–**	Part no. **Euro**
Flanged union nut 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce.	7441115 **61,–**	Part no. **Euro**
Euro flanged adaptor Connection piece (solder connection), copper pipe to the flanged connection on the appliance.		
Euro flanged adaptor 7/16 For 6 x 1 mm and 1/4 x 0.8 mm copper pipe. 10 pce	7249284 **149,–**	Part no. **Euro**
Euro flanged adaptor 3/4 For 12 x 1 mm and 1/2 x 0.8 mm copper pipe. 10 pce	7249286 **184,–**	Part no. **Euro**
Euro flanged adaptor 7/8 For 16 x 1 mm and 5/8 x 1 mm copper pipe. 10 pce	7441117 **162,–**	Part no. **Euro**
Copper seal ring 7/16 10 pce. Spare seal rings for Euro flanged adaptors.	7249289 **7,70**	Part no. **Euro**
Copper seal ring 3/4 10 pce. Spare seal rings for Euro flanged adaptors.	7249291 **11,10**	Part no. **Euro**
Copper seal ring 7/8 10 pce. Spare seal rings for Euro flanged adaptors.	7441119 **10,–**	Part no. **Euro**
Copper solder ring fittings For connecting copper pipes. 		
Copper solder ring fitting 6 mm 10 pce	7249287 **24,–**	Part no. **Euro**
Copper solder ring fitting 12 mm 10 pce	7249288 **5,90**	Part no. **Euro**

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Accessories		
Connecting elements		MG WX
Copper solder ring fitting 16 mm 10 pce	7441121 **5,80**	Part no. **Euro**
Copper solder ring fitting 7/16" 10 pce	7441123 **17,40**	Part no. **Euro**
Copper solder ring fitting 3/4" 10 pce	7441125 **11,20**	Part no. **Euro**
Copper solder ring fitting 7/8" 10 pce	7441126 **12,–**	Part no. **Euro**
End collar For sealing and routing refrigerant lines through a DN 125 KG pipe.	ZK02932 **8,–**	Part no. **Euro**

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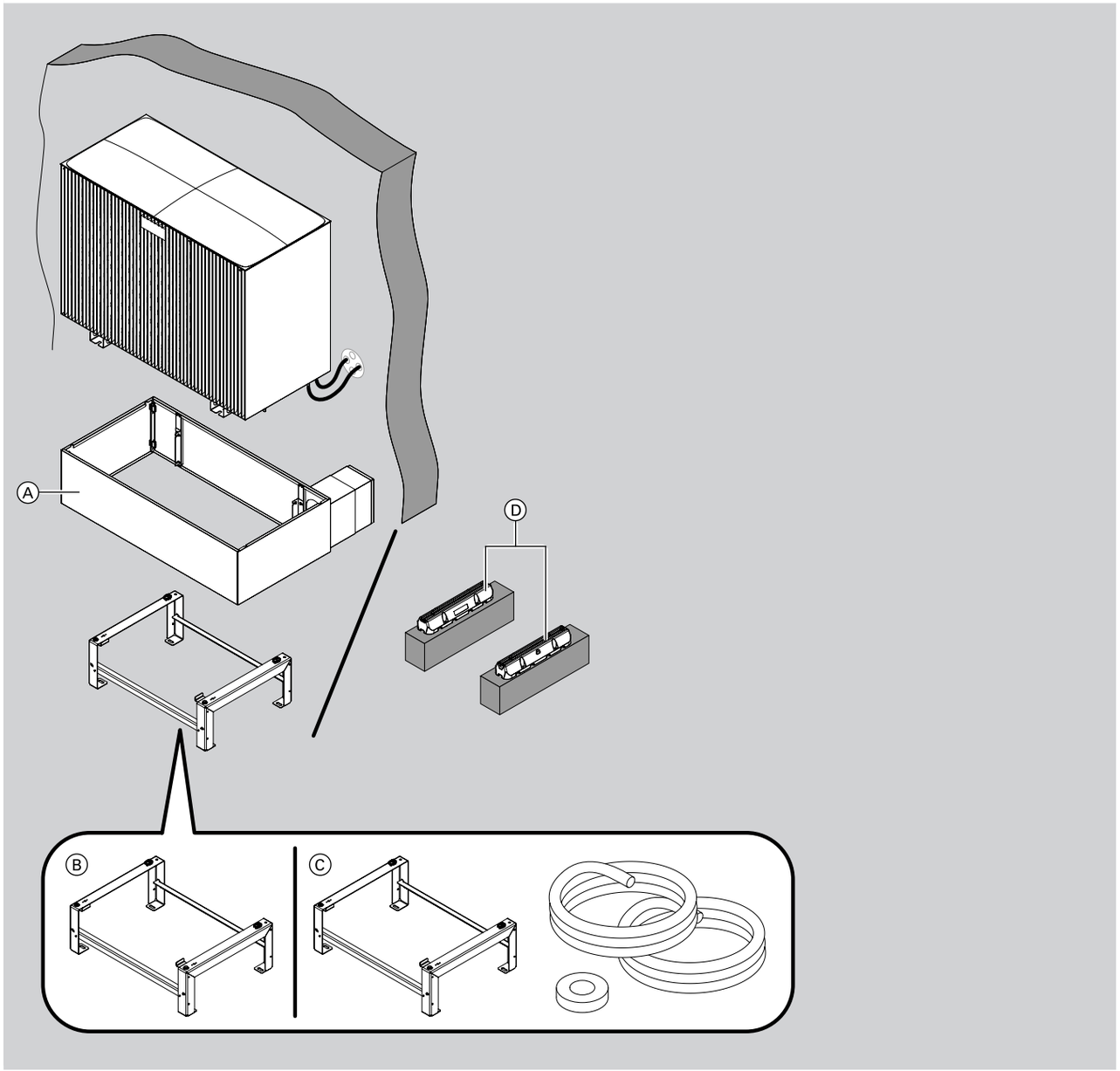
Siting the outdoor unit
Example 1: floor bracket and wall outlet above ground level



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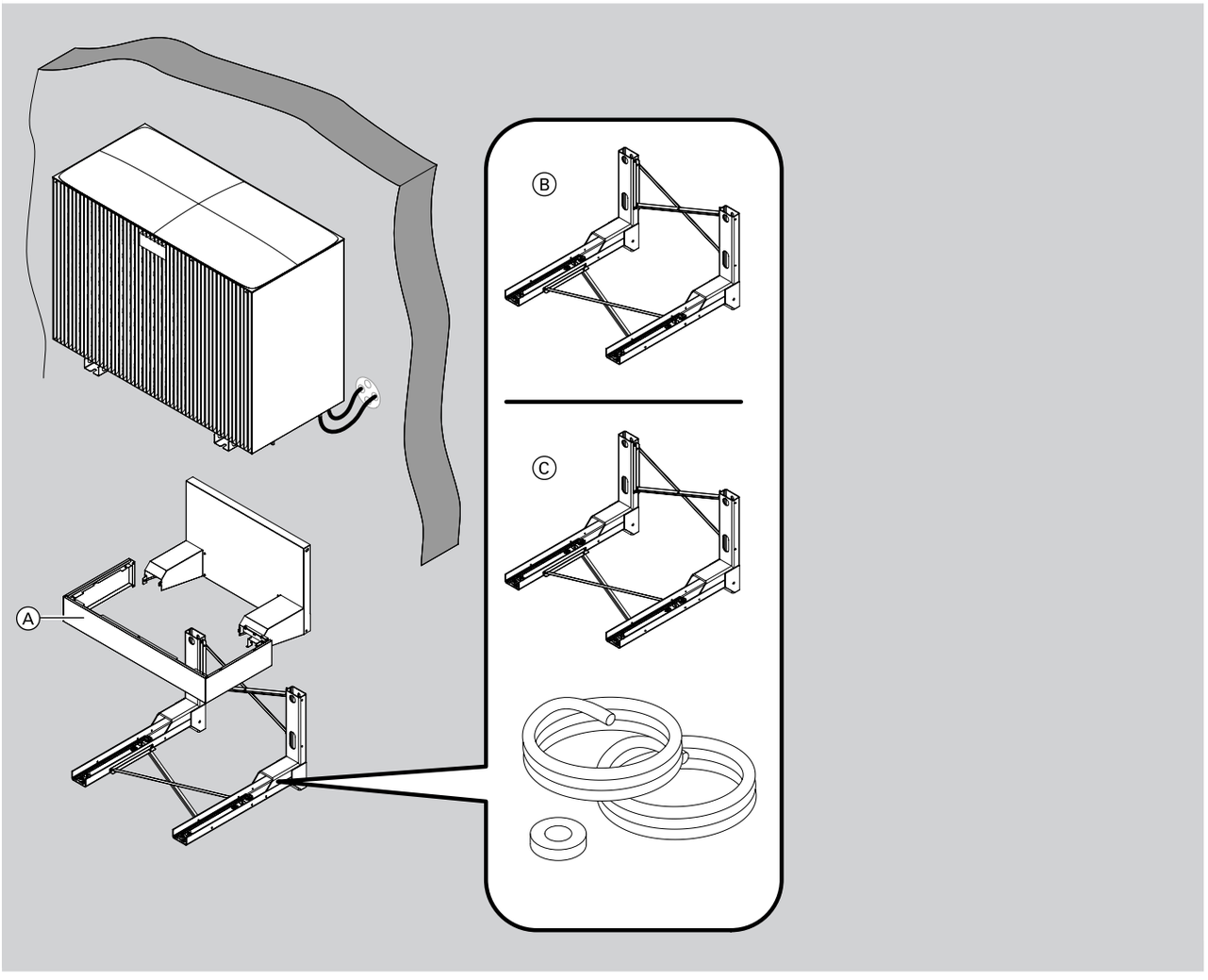
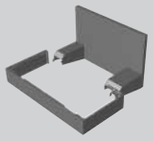
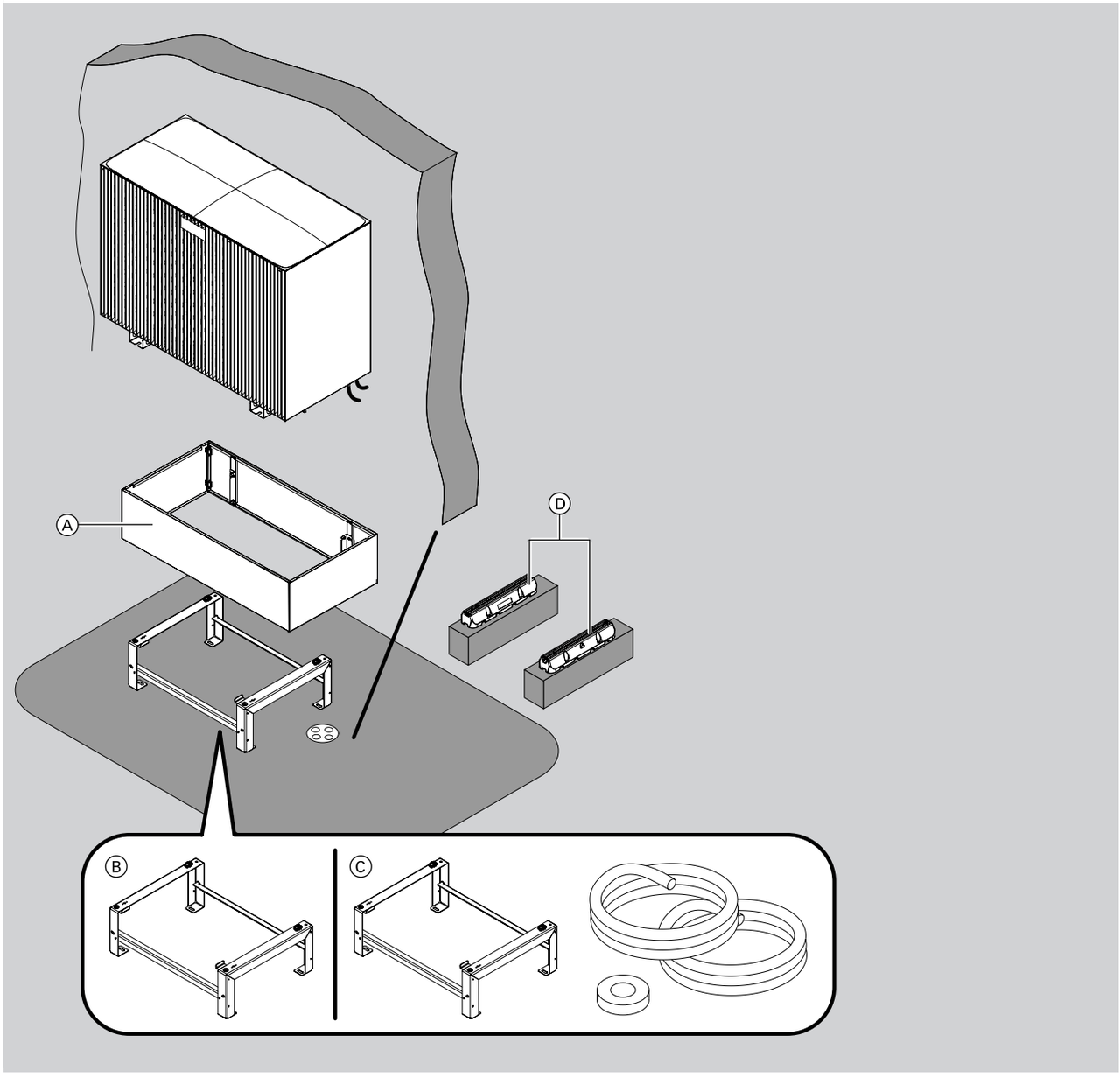
Siting the outdoor unit Example 1: floor bracket and wall outlet above ground level		
Brackets for outdoor unit		MG WX
Ⓐ **Design casing for floor bracket incl. wall connection** ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: height 298 mm, width 1080 mm, length (variable) 691 to 835 mm	ZK06307 **576,–**	Part no. **Euro**
Ⓑ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: height 270 mm, width 757 mm, length 459 mm *The design casing for the floor bracket can be retrofitted.*	ZK06305 **209,–**	Part no. **Euro**
Ⓓ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: height 95 mm, width 130 mm, length 600 mm	ZK06012 **77,–**	Part no. **Euro**
Installation sets		MG WX
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types B06	ZK06312 **927,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ...B08 and ... B10	ZK06313 **1.008,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. For types B06	ZK06316 **754,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. For types ...B08 and ... B10	ZK06317 **904,–**	Part no. **Euro**

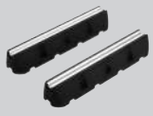
Siting the outdoor unit
Example 2: wall mounting bracket and wall outlet



Siting the outdoor unit Example 2: wall mounting bracket and wall outlet		
Brackets for outdoor unit		MG WX
Ⓐ **Design casing for wall mounting bracket** ■ For covering the hydraulic pipework when wall mounted ■ Colour: Vitographite 	ZK06308 **402,–**	Part no. **Euro**
Ⓑ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: height 560 mm, width 815 mm, length 838 mm	ZK06016 **566,–**	Part no. **Euro**
Installation sets		MG WX
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types B06	ZK06310 **1.284,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ Bracket set for wall mounting ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .B08 and ... B10	ZK06311 **1.365,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. For types B06	ZK06314 **1.111,–**	Part no. **Euro**
Ⓒ **Installation set for mounting the outdoor unit on a wall** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ Bracket set for wall mounting. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. For types ... .B08 and ... B10	ZK06315 **1.261,–**	Part no. **Euro**

Siting the outdoor unit
Example 3: floor bracket and pipework below ground level



Accessories		
Brackets for outdoor unit		MG WX
Ⓐ **Design casing for floor bracket** ■ For positioning on level ground ■ Colour: Vitographite ■ Dimensions: height 298 mm, width 1080 mm, length 500 mm	ZK06306 **462,–**	Part no. **Euro**
Ⓑ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: height 270 mm, width 757 mm, length 459 mm *The design casing for the floor bracket can be retrofitted.*	ZK06305 **209,–**	Part no. **Euro**
Ⓓ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**
Installation sets		MG WX
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 12 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types B06	ZK06312 **927,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 6 x 1 mm copper pipe with thermal insulation for liquid line, 12.5 m coil ■ 16 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil ■ 2 brackets made of stainless steel profiles for floorstanding installation ■ 10 m thermal insulating tape 50 x 3 mm; colour: white For types ... .B08 and ... B10	ZK06313 **1.008,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 1/2 x 0.8 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. For types B06	ZK06316 **754,–**	Part no. **Euro**
Ⓒ **Installation set for floorstanding installation of the outdoor unit** ■ 1/4 x 0.8 mm copper pipe with thermal insulation for liquid line, 12.5 m coil. ■ 5/8 x 1 mm copper pipe with thermal insulation for hot gas line, 12.5 m coil. ■ 2 brackets made of aluminium profiles for floorstanding installation. ■ 10 m thermal insulating tape 50 × 3 mm; colour: white. For types ... .B08 and ... B10	ZK06317 **904,–**	Part no. **Euro**
Miscellaneous		MG WX
Sealant To seal the wall outlets of refrigerant lines.	7441145 **73,–**	Part no. **Euro**

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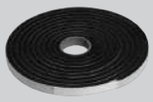
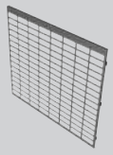
Accessories		
Miscellaneous		MG WX
Foam tape Roll, 5 m long. 	7441146 **21,–**	Part no. **Euro**
Electric ribbon heater As frost protection for the outdoor unit condensate pan. Only where condensate is drained via a hose. ■ Length of ribbon heater 2.5 m ■ Condensate drain elbow ■ Sealing plug ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK04098 **330,–**	Part no. **Euro**
Fan ring heater (1 pce) To protect the fan from freezing For climatic regions with longer frost periods	ZK06023 **270,–**	Part no. **Euro**
Carrying handles for outdoor unit ■ Vitocal 200-S/222-S/250-SH ■ Vitocal 200-A/222-A	ZK02931 **134,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Design casing for grille To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: height 772 mm, width 830 mm, length 20 mm 	ZK06413 **318,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1-litre spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**
Photovoltaics		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

► For suitable accessory packs for energy management, see Register 1.1.

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Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06216 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06217 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	ZK06218 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Please note:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

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Remote control units		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must be added to the order.* ■ *No more than 1 Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** MG Y

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Accessories		
Wireless accessories		MG Y
Individual room control with ViCare thermostatic radiator valves and floor thermostat Connected directly to the Viessmann One Base heat pump for individual room control via the ViCare app ■ Adjustable time programs for each room can control the room temperatures based on demand ■ Can be used for heating and cooling requirements ■ Dynamic hydronic balancing: TÜV-certified solution for radiators and underfloor heating. Automatic calculation and continuous dynamic adjustment of settings		
ViCare thermostatic radiator valve (low power radio) Battery-operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: white. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*	ZK03840 **88,–**	Part no. **Euro**
ViCare floor thermostat (low power radio) Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect. ■ Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators) ■ The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control. ■ An integral frost protection function prevents damage to the fabric of the building. ■ An anti-limescale function prevents the actuator valves from seizing up. ■ Compatible with N/O and N/C thermal actuators. ■ The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value. Standard delivery: ■ ViCare floor thermostat ■ External aerial with connecting cable, 1.3 m long ■ Contact temperature sensor with connecting lead, 1.8 m long and hose clip ■ Connecting cable, 1.2 m long, with plug ■ Tool for operating the pairing button ■ Installation material for wall mounting *Up to 4 ViCare floor thermostats can be supported simultaneously.*	ZK03838 **306,–**	Part no. **Euro**

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Accessories

Wireless accessories

		MG Y
ViCare climate sensor – temperature and humidity sensor (low power radio) Battery-operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect. ■ The ViCare climate sensor captures the temperature and relative humidity in the room. ■ In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control. Standard delivery: ■ ViCare climate sensor ■ Battery, button cell CR2450, 600 mAh ■ Installation material for wall mounting *A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.*	ZK03839 **54,–**	Part no. **Euro**

Sensors

		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug	7438702 **110,–**	Part no. **Euro**

Heating circuit control unit extension

		MG W
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting cable (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Only suitable for heating mode*	Z017409 **572,–**	Part no. **Euro**

Accessories

Heating circuit control unit extension

MG W

EM-M1 mixer extension kit (wall mounting)
(PlusBus subscriber)
For one heating circuit with mixer, fully wired.
- Mixer PCB for separately ordered mixer motor
- Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug
- Plug for heating circuit pump and mixer motor
- Power cable and PlusBus cable with plug
- With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)

Z025981
373,–

Part no.
Euro

Suitable for heating and cooling mode

Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on a top-hat rail. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for connection to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/TCP communication standard. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on a top-hat rail. Data exchange with an external system based on the Modbus/RTU communication standard. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted 	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, see Register 11.5 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

►For information on ViGuide for commissioning, diagnostics and service, see www.viguide.info.

VITOCAL 150-A

Air source heat pumps
Monoblock version
2.1 to 14.9 kW A7/W35
1.8 to 13.7 kW A2/W35

6.13

Vitocal 150-A

Up to 70 °C flow temperature

Type AWO-E-AC(-AF) 151.A
Heat pump with electric drive in monoblock version with outdoor and indoor unit
- For room heating/cooling and DHW heating
- Monoblock indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way valve, safety assembly
- Integral instantaneous heating water heater
- Integral buffer cylinder and overflow valve

Versions:
- AF: With integral electric ribbon heater in the condensate pan

Permissible operating pressure: Heating water 3 bar (0.3 MPa)

Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitosilver

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: Up to 5.0 at A7/W35
- Output control and DC inverter for high efficiency in partial load operation
- A maximum flow temperature of up to 70 °C at an outside temperature of -10 °C enables use in both new build and modernisation projects.
- Self-optimising control of the flow rate via Viessmann Hydro AutoControl
- Environmentally responsible, natural refrigerant R290 with a particularly low GWP (Global Warming Potential) of 0
- Convenient reversible design for heating and cooling
- Especially quiet operation thanks to Advanced Acoustic Design (AAD)
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and Vitoguide
- Guided commissioning via Vitoguide
- Individual room control with components from ViCare Smart Climate

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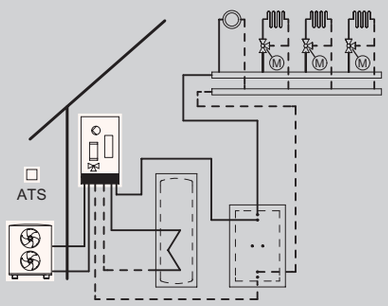
VITOCAL 150-A

Air source heat pumps, monoblock version
Vitocal 150-A, type AWO-M-E-AC 151.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

6.13

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

To operate multiple regulated heating/cooling circuits downstream of the heating water buffer cylinders, a separate heating water/coolant buffer cylinder is required.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 10 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1	9.1 12.4	MG WT
AWO-M-E-AC 151.A04 230	Z026430 **7.670,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC 151.A06 230	–	Z026431 **7.919,–** A++	–	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC 151.A08 230	–	–	Z026432 **8.167,–** A++	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC 151.A10 230	–	–	–	Z023206 **10.297,–** A++	–	–	Part no. **Euro** Energy
AWO-M-E-AC 151.A13 230	–	–	–	–	Z023207 **10.540,–** A++	–	Part no. **Euro** Energy
AWO-M-E-AC 151.A16 230	–	–	–	–	–	Z023208 **10.800,–** A++	Part no. **Euro** Energy

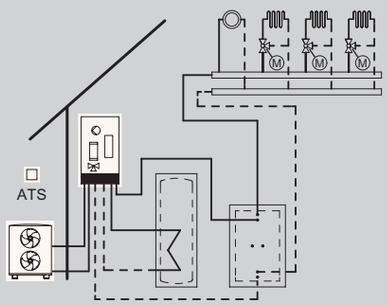
Specification							
Coefficient of performance (COP) at A7	5.0	4.9	4.7	5.0	4.9	4.9	
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4	3.3 - 14.9	kW
Flow temperature	70	70	70	70	70	70	°C
Sound power level	52	52	52	59	59	59	dB(A)
Cooling capacity	4.0	5.0	6.0	9.6	11.0	13.2	kW
Energy efficiency ratio (EER)	4.7	4.4	3.9	4.4	4.0	3.7	
Max. cooling capacity	4.0	5.5	6.0	14.4	15.7	17.0	kW
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	920	920	920	920	920	920	mm
Indoor unit length	360	360	360	360	360	360	mm
Indoor unit weight	47	47	47	47	47	47	kg
Outdoor unit width	1144	1144	1144	1144	1144	1144	mm
Outdoor unit height	841	841	841	1382	1382	1382	mm
Outdoor unit length	600	600	600	600	600	600	mm
Outdoor unit weight	162	162	162	191	191	191	kg
Energy efficiency ηs at W35	185	180	175	190	178	178	%
Energy efficiency ηs at W55	140	138	137	145	141	141	%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7	7.6	kW
Coefficient of performance (COP) at A2	3.8	3.8	3.6	4.1	3.8	3.8	
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3	3.0 - 13.7	kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	9	12	13	
COPd + 7 °C by medium temperature use, medium climate conditions	4,6	4,7	4,8	4,6	4,8	4,8	

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 150-A

Air source heat pumps, monoblock version
Vitocal 150-A, type AWO-M-E-AC-AF 151.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

6.13

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

To operate multiple regulated heating/cooling circuits downstream of the heating water buffer cylinders, a separate heating water/coolant buffer cylinder is required.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 10 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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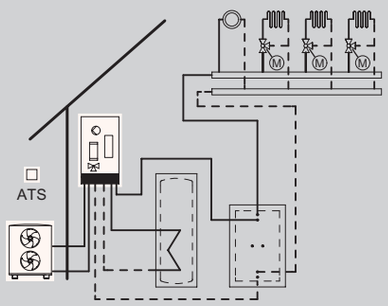
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1	9.1 12.4	MG WT
AWO-M-E-AC-AF 151.A04 **230**	Z026436 **8.234,–** A++	–	–	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 151.A06 **230**	–	Z026437 **8.510,–** A++	–	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 151.A08 **230**	–	–	Z026438 **8.785,–** A++	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 151.A10 **230**	–	–	–	Z023212 **10.414,–** A++	–	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 151.A13 **230**	–	–	–	–	Z023213 **10.662,–** A++	–	Part no. **Euro** Energy
AWO-M-E-AC-AF 151.A16 **230**	–	–	–	–	–	Z023214 **10.926,–** A++	Part no. **Euro** Energy
Specification							
Coefficient of performance (COP) at A7	5.0	4.9	4.7	5.0	4.9	4.9	
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4	3.3 - 14.9	kW
Flow temperature	70	70	70	70	70	70	°C
Sound power level	52	52	52	59	59	59	dB(A)
Cooling capacity	4.0	5.0	6.0	9.6	11.0	13.2	kW
Energy efficiency ratio (EER)	4.7	4.4	3.9	4.4	4.0	3.7	
Max. cooling capacity	4.0	5.5	6.0	14.4	15.7	17.0	kW
Indoor unit width	450	450	450	450	450	450	mm
Indoor unit height	920	920	920	920	920	920	mm
Indoor unit length	360	360	360	360	360	360	mm
Indoor unit weight	47	47	47	47	47	47	kg
Outdoor unit width	1144	1144	1144	1144	1144	1144	mm
Outdoor unit height	841	841	841	1382	1382	1382	mm
Outdoor unit length	600	600	600	600	600	600	mm
Outdoor unit weight	162	162	162	191	191	191	kg
Energy efficiency ηs at W35	185	180	175	190	178	178	%
Energy efficiency ηs at W55	140	138	137	145	141	141	%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7	7.6	kW
Coefficient of performance (COP) at A2	3.8	3.8	3.6	4.1	3.8	3.8	
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3	3.0 - 13.7	kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	9	12	13	
COPd + 7 °C by medium temperature use, medium climate conditions	4,6	4,7	4,8	4,6	4,8	4,8	

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 150-A

Air source heat pumps, monoblock version
Vitocal 150-A, type AWO-E-AC 151.A/AWO-E-AC-AF 151.A
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

ViCare ViGuide

6.13

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

To operate multiple regulated heating/cooling circuits downstream of the heating water buffer cylinders, a separate heating water/coolant buffer cylinder is required.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 10 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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Air source heat pumps, monoblock version
Vitocal 150-A, type AWO-E-AC 151.A/AWO-E-AC-AF 151.A
Heating and cooling

Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1	 9.1 12.4	MG WT
AWO-E-AC 151.A10 **400**	Z023209 **10.293,–** A++	–	–	Part no. **Euro** Energy
AWO-E-AC-AF 151.A10 **400**	Z023215 **10.410,–** A++	–	–	Part no. **Euro** Energy
AWO-E-AC 151.A13 **400**	–	Z023210 **10.536,–** A++	–	Part no. **Euro** Energy
AWO-E-AC-AF 151.A13 **400**	–	Z023216 **10.658,–** A++	–	Part no. **Euro** Energy
AWO-E-AC 151.A16 **400**	–	–	Z023211 **10.796,–** A++	Part no. **Euro** Energy
AWO-E-AC-AF 151.A16 **400**	–	–	Z023217 **10.922,–** A++	Part no. **Euro** Energy

Specification				
Coefficient of performance (COP) at A7	5.0	4.9	4.9	
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4	3.3 - 14.9	kW
Flow temperature	70	70	70	°C
Sound power level	59	59	59	dB(A)
Cooling capacity	9.5	11.2	13.3	kW
Energy efficiency ratio (EER)	4.5	4.1	3.7	
Max. cooling capacity	13.4	14.7	16.0	kW
Indoor unit width	450	450	450	mm
Indoor unit height	920	920	920	mm
Indoor unit length	360	360	360	mm
Indoor unit weight	47	47	47	kg
Outdoor unit width	1144	1144	1144	mm
Outdoor unit height	1382	1382	1382	mm
Outdoor unit length	600	600	600	mm
Outdoor unit weight	197	197	197	kg
Energy efficiency ηs at W35	190	178	178	%
Energy efficiency ηs at W55	145	141	141	%
Rated heating output A2/W35	5.8	6.7	7.6	kW
Coefficient of performance (COP) at A2	4.1	3.8	3.8	
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3	3.0 - 13.7	kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	9	12	13	
COPd + 7 °C by medium temperature use, medium climate conditions	4,6	4,8	4,8	

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Mobile applications and energy management systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see Register 1 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

►For more information on system requirements and ViGuide registration and usage, see Register 1 and **www.viguide.info**

6.13

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.

Energy management systems

Viessmann energy management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. It enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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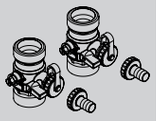
Accessories

Accessories		MG WX
Pre-plumbing jig for surface mounting For monoblock indoor units measuring 450 mm wide ■ Fixings ■ Valves/fittings *On-site insulation required for cooling mode.* *We recommend using the ball valve set for cooling mode.* 	ZK06008 **398,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 450 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting*	7973232 **101,–**	Part no. **Euro**
Ball valve set For flushing and venting. Must also be ordered if a pre-plumbing jig is not used. ■ Valves/fittings for flow and return to the outdoor unit 	ZK06057 **71,–**	Part no. **Euro**
Locking ring fittings for ball valve set As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm	7973236 **77,–**	Part no. **Euro**
Valve/fittings cover, 450 mm For indoor units measuring 450 mm wide. ■ Colour: Vitopearlwhite ■ Installed directly on the indoor unit	7973427 **78,–**	Part no. **Euro**

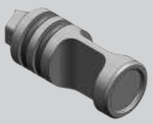
Filters and magnetite separators

		MG VC
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1 *Installed between indoor and outdoor unit – mandatory for heating system modernisation projects, recommended for new builds.* 	7266384 **294,–**	Part no. **Euro**

Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Notes:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately)	ZK06214 **269,–**		**–**	Part no. **Euro**

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Divicon heating/cooling circuit distributor for heating and cooling mode

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

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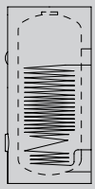
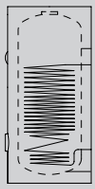
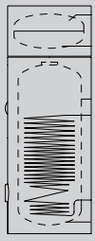
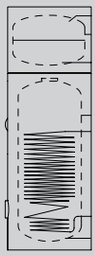
DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating water/coolant buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: Buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header*		Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: Buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.*		Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating water/coolant buffer cylinder

Immersion heater Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	–	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z021939 **825,–**			Part no. **Euro**

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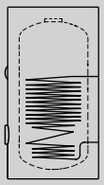
DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V

Cylinder capacity (litres)	390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be installed. 	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater

Cylinder capacity (litres)	390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14°dH (medium hardness level up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z026669 **827,–**		Part no. **Euro**

Accessories

Cylinder capacity (litres)	390	500	MG W
Solar heat exchanger set For connecting solar collectors to the Vitocell 100-V/100-W ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation	7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**		Part no. **Euro**

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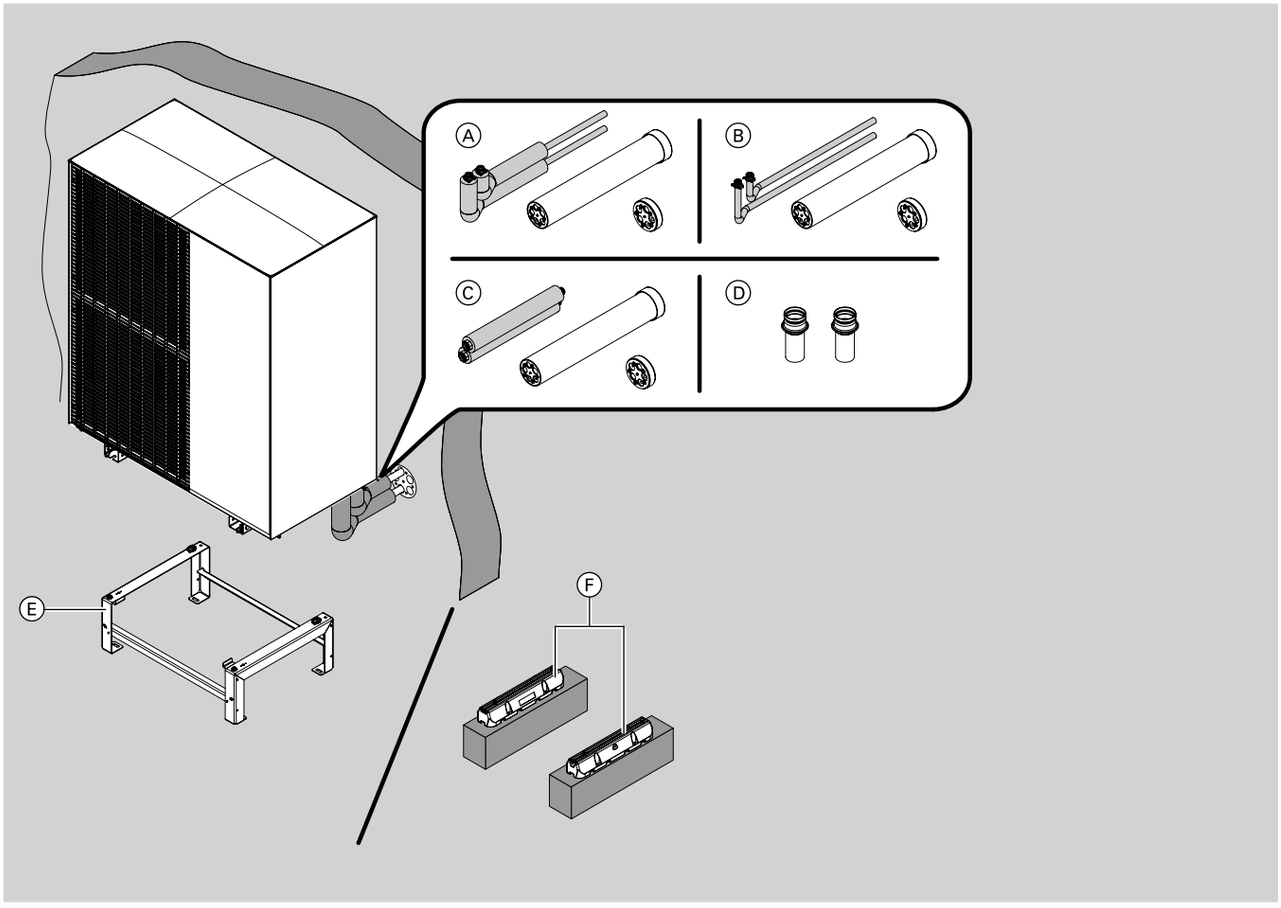
Cooling accessories

Cooling

MG WX

Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with just one direct heating/cooling circuit without buffer cylinder.	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.	7452646 **523,–**	Part no. **Euro**

Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level



Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level

Heating circuit

		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06018 **1.171,–**	Part no. **Euro**
Ⓑ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06428 **777,–**	Part no. **Euro**
Ⓒ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is above ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06019 **839,–**	Part no. **Euro**
Ⓓ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

Brackets for outdoor unit

			MG WX
Ⓔ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓕ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm *If using with connection sets, please observe the technical guide for the required base height.*		ZK06012 **77,–**	Part no. **Euro**

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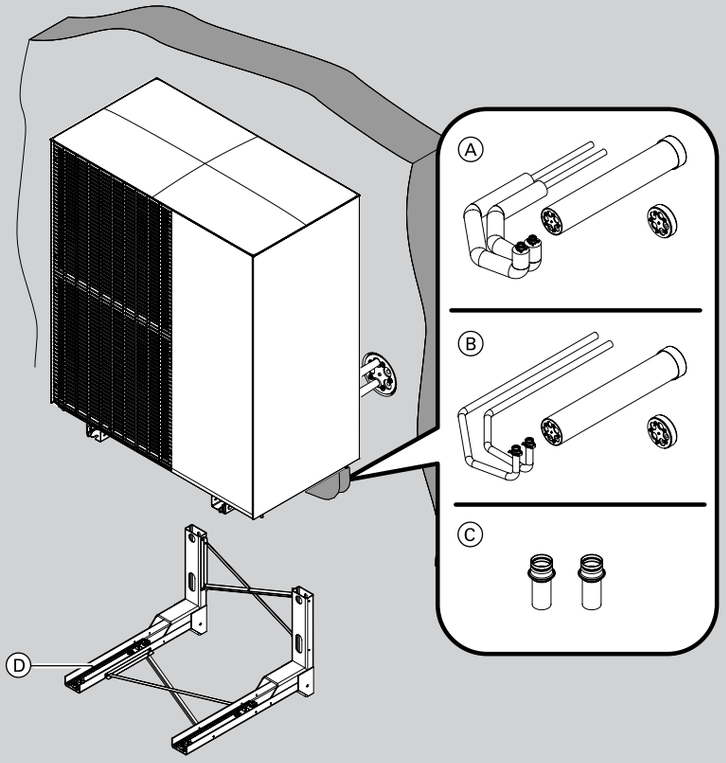
Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet



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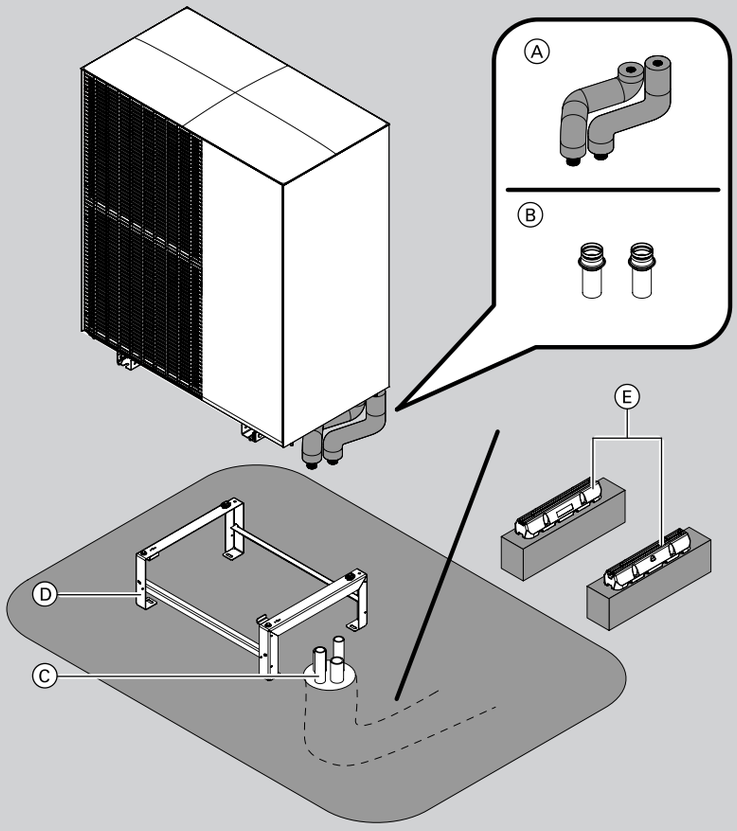
Siting the outdoor unit Example 2: Wall mounting bracket and wall outlet		
Heating circuit		MG WX
Ⓐ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06021 **1.145,–**	Part no. **Euro**
Ⓑ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06429 **807,–**	Part no. **Euro**
Ⓒ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Ⓓ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: Height 560 mm, width 815 mm, length 838 mm	ZK06016 **566,–**	Part no. **Euro**

Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level



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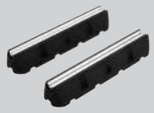
Siting the outdoor unit Example 3: Floor bracket and pipework below ground level		
Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is below ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm	ZK06020 **275,–**	Part no. **Euro**
Ⓑ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm *The basic connection set cannot be connected directly to the underground Quattro connection line.*	7973227 **31,–**	Part no. **Euro**
Ⓒ **Underground Quattro connection line** For hydraulic connection of outdoor heat pumps to the heating system, flexible routing underground. ■ Flow and return line 2 x PB 40 x 3.7, DN 32 to R 1¼ adaptors (male thread) ■ 2 empty conduits for power supply and communications cable between outdoor and indoor unit ■ Everything in one pipe		
Underground Quattro connection line Horizontal line length 5 m	7984138 **1.499,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 10 m	7984139 **1.744,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 15 m	7984140 **2.370,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 20 m	7984141 **2.938,–**	Part no. **Euro**
Ring seal for underground Quattro connection line Provides a seal against infiltrating water when installing underground using the Quattro DN 32 hydraulic connection set	7984142 **904,–**	Part no. **Euro**

Notes:
A connection set must also be ordered.
►*Observe the notes in the technical guides on line lengths for the hydraulic connection sets.*

Brackets for outdoor unit		
		MG WX
Ⓓ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*	ZK06013 **182,–**	Part no. **Euro**
Ⓔ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**

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Accessories		
Miscellaneous		MG WX
Electric ribbon heater for condensate pan As frost protection for the outdoor unit condensate pan. Only for free flowing condensate. ■ Length of ribbon heater 1.6 m ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK06022 **269,–**	Part no. **Euro**
Electric ribbon heater for condensate drain Supplements the electric ribbon heater for the condensate pan if the condensate is to be drained centrally via a hose. ■ Length of ribbon heater 2.8 m ■ Drain hose Ø 33.4 x 4 mm, length 1.25 m ■ Condensate drain elbow	7973114 **181,–**	Part no. **Euro**
Fan ring heater (1 pce) To protect the fan from freezing For climatic regions with longer frost periods *For types ...A4 to ...A8*	ZK06023 **270,–**	Part no. **Euro**
Fan ring heater (2 pce) To protect the fan from freezing For climatic regions with longer frost periods *For types ...A10 to ...A16*	ZK07157 **540,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1 l spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

Energy management

Photovoltaics

		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

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Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973122 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973123 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973124 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Notes:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

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Wireless accessories		MG Y
Individual room control with ViCare thermostatic radiator valves and floor thermostat Connected directly to the Viessmann One Base heat pump for individual room control via the ViCare app ■ Adjustable time programs for each room control the room temperatures based on demand ■ Can be used for heating and cooling requirements ■ Dynamic hydronic balancing: TÜV-certified solution for radiators and underfloor heating. Automatic calculation and continuous dynamic adjustment of settings		
ViCare thermostatic radiator valve (low power radio) Battery operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: White. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*	ZK03840 **88,–**	Part no. **Euro**

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Accessories

Wireless accessories

MG Y

ViCare floor thermostat
(low power radio)
Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect.

- Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators)
- The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control.
- An integral frost protection function prevents damage to the fabric of the building.
- An anti-limescale function prevents the actuator valves from seizing up.
- Compatible with N/O and N/C thermal actuators.
- The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value.

Standard delivery:
- ViCare floor thermostat
- External aerial with connecting cable, 1.3 m long
- Contact temperature sensor with connecting lead, 1.8 m long and hose clip
- Connecting cable, 1.2 m long, with plug
- Tool for operating the pairing button
- Installation material for wall mounting

Up to 4 ViCare floor thermostats can be supported simultaneously.

ZK03838
306,–

Part no.
Euro

ViCare climate sensor – temperature and humidity sensor
(low power radio)
Battery operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect.

- The ViCare climate sensor captures the temperature and the relative humidity in the room.
- In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control.

Standard delivery:
- ViCare climate sensor
- Battery, button cell CR2450, 600 mAh
- Installation material for wall mounting

A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.

ZK03839
54,–

Part no.
Euro

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Accessories		
Remote control units		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: Support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must also be ordered.* ■ *No more than one Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** **MG Y**
Sensors		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug As a cylinder temperature sensor for DHW cylinders or heating water buffer cylinders.	7438702 **110,–**	Part no. **Euro**
Contact temperature sensor (NTC 10 kOhm) ■ To capture a temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**
Heating circuit control unit extension		MG W
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**

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Accessories		
Heating circuit control unit extension		MG W
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Only suitable for heating mode*	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Suitable for heating and cooling operation*	Z025981 **373,–**	Part no. **Euro**

Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on top-hat rails. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for linking up to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/TCP communication standards. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/RTU communication standards. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, visit www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

VITOCAL 151-A

Air source heat pumps
Compact appliance, monoblock version
2.1 to 14.9 kW A7/W35
1.8 to 13.7 kW A2/W35

6.14

Vitocal 151-A

Up to 70 °C flow temperature

Type AWOT-E-AC(-AF) 151.A
Compact heat pump in monoblock version with outdoor unit and monoblock indoor unit
- For room heating/cooling and DHW heating
- Monoblock indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way valve, safety assembly
- Integral DHW cylinder, 190 l
- Integral instantaneous heating water heater
- Integral buffer cylinder and overflow valve

Versions:
- AF: With integral electric ribbon heater in the condensate pan

Permissible operating pressure: Heating water 3 bar (0.3 MPa)
Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitosilver

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: Up to 5.0 at A7/W35
- Output control and DC inverter for high efficiency in partial load operation
- A maximum flow temperature of up to 70 °C at an outside temperature of -10 °C enables use in both new build and modernisation projects.
- Self-optimising control via Viessmann Hydro AutoControl
- Environmentally responsible, natural refrigerant R290 with a particularly low GWP (Global Warming Potential) of 0
- Convenient reversible design for heating and cooling
- Especially quiet operation thanks to Advanced Acoustic Design (AAD)
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and Vitoguide
- Guided commissioning via Vitoguide
- Individual room control with components from ViCare Smart Climate

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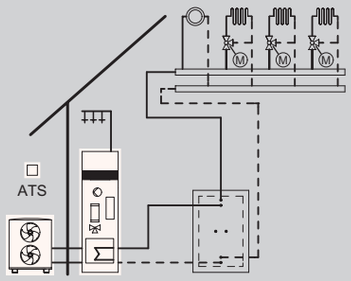
VITOCAL 151-A

Compact heat pump, monoblock version
Vitocal 151-A, type AWOT-M-E-AC 151.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer
- DHW heating

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption (see Accessories).

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

6.14

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 10 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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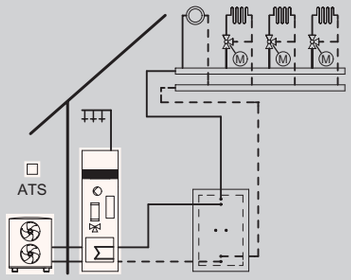
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)						MG WT
	4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1	9.1 12.4	
AWOT-M-E-AC 151.A04 230	Z026442 **9.852,–** A++ A	–	–	–	–	–	Part no. **Euro**
AWOT-M-E-AC 151.A06 230	–	Z026443 **10.101,–** A++ A	–	–	–	–	Part no. **Euro**
AWOT-M-E-AC 151.A08 230	–	–	Z026444 **10.349,–** A++ A	–	–	–	Part no. **Euro**
AWOT-M-E-AC 151.A10 230	–	–	–	Z023224 **12.479,–** A++ A	–	–	Part no. **Euro**
AWOT-M-E-AC 151.A13 230	–	–	–	–	Z023225 **12.722,–** A++ A	–	Part no. **Euro**
AWOT-M-E-AC 151.A16 230	–	–	–	–	–	Z023226 **12.982,–** A++ A	Part no. **Euro**

Specification							
Coefficient of performance (COP) at A7	5.0	4.9	4.7	5.0	4.9	4.9	
Min./max. output range A7	2.1 - 4.0	2.1 - 4.8	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4	3.3 - 14.9	kW
Flow temperature	70	70	70	70	70	70	°C
Sound power level	52	52	52	59	59	59	dB(A)
Cylinder capacity	190	190	190	190	190	190	l
Cooling capacity	4.0	5.0	6.0	9.6	11.0	13.2	kW
Energy efficiency ratio (EER)	4.7	4.4	3.9	4.4	4.0	3.7	
Max. cooling capacity	4.0	5.5	6.0	14.4	15.7	17.0	kW
Indoor unit width	600	600	600	600	600	600	mm
Indoor unit height	1900	1900	1900	1900	1900	1900	mm
Indoor unit length	597	597	597	597	597	597	mm
Indoor unit weight	170	170	170	170	170	170	kg
Outdoor unit width	1144	1144	1144	1144	1144	1144	mm
Outdoor unit height	841	841	841	1382	1382	1382	mm
Outdoor unit length	600	600	600	600	600	600	mm
Outdoor unit weight	162	162	162	191	191	191	kg
Energy efficiency ηs at W35	185	180	175	190	178	178	%
Energy efficiency ηs at W55	140	138	137	145	141	141	%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7	7.6	kW
Coefficient of performance (COP) at A2	3.8	3.8	3.6	4.1	3.8	3.8	
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3	3.0 - 13.7	kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	9	12	13	
COPd + 7 °C by medium temperature use,medium climate conditions	1,6	4,7	4,8	4,6	4,8	4,8	

VITOCAL 151-A

Compact heat pump, monoblock version
Vitocal 151-A, type AWOT-M-E-AC-AF 151.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer
- DHW heating

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

SG Ready

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption (see Accessories).

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

6.14

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 10 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1	9.1 12.4	MG WT
AWOT-M-E-AC-AF 151.A04 **230**	Z026448 **10.416,–** A++ A	–	–	–	–	–	Part no. **Euro**
AWOT-M-E-AC-AF 151.A06 **230**	–	Z026449 **10.692,–** A++ A	–	–	–	–	Part no. **Euro**
AWOT-M-E-AC-AF 151.A08 **230**	–	–	Z026450 **10.967,–** A++ A	–	–	–	Part no. **Euro**
AWOT-M-E-AC-AF 151.A10 **230**	–	–	–	Z023230 **12.596,–** A++ A	–	–	Part no. **Euro**
AWOT-M-E-AC-AF 151.A13 **230**	–	–	–	–	Z023231 **12.844,–** A++ A	–	Part no. **Euro**
AWOT-M-E-AC-AF 151.A16 **230**	–	–	–	–	–	Z023232 **13.108,–** A++ A	Part no. **Euro**

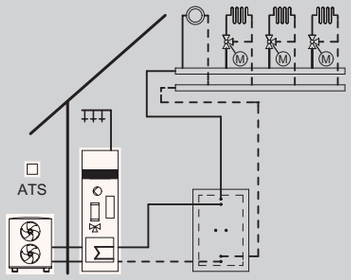
6.14

Specification							
Coefficient of performance (COP) at A7	5.0	4.9	4.7	5.0	4.9	4.9	
Min./max. output range A7	2.1 - 4.0	2.1 - 4.8	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4	3.3 - 14.9	kW
Flow temperature	70	70	70	70	70	70	°C
Sound power level	52	52	52	59	59	59	dB(A)
Cylinder capacity	190	190	190	190	190	190	l
Cooling capacity	4.0	5.0	6.0	9.6	11.0	13.2	kW
Energy efficiency ratio (EER)	4.7	4.4	3.9	4.4	4.0	3.7	
Max. cooling capacity	4.0	5.5	6.0	12.0	15.7	17.0	kW
Indoor unit width	600	600	600	600	600	600	mm
Indoor unit height	1900	1900	1900	1900	1900	1900	mm
Indoor unit length	597	597	597	597	597	597	mm
Indoor unit weight	170	170	170	170	170	170	kg
Outdoor unit width	1144	1144	1144	1144	1144	1144	mm
Outdoor unit height	841	841	841	1382	1382	1382	mm
Outdoor unit length	600	600	600	600	600	600	mm
Outdoor unit weight	162	162	162	191	191	191	kg
Energy efficiency ηs at W35	185	180	175	190	178	178	%
Energy efficiency ηs at W55	140	138	137	145	141	141	%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7	7.6	kW
Coefficient of performance (COP) at A2	3.8	3.8	3.6	4.1	3.8	3.8	
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3	3.0 - 13.7	kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	9	12	13	
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	4,6	4,8	4,8	

VITOCAL 151-A

Compact heat pump, monoblock version
Vitocal 151-A, type AWOT-E-AC 151.A/AWOT-E-AC-AF 151.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer
- DHW heating

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption (see Accessories).

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

6.14

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 10 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1	 9.1 12.4		MG WT
AWOT-E-AC 151.A10 **400**	Z023227 **12.475,–** A++ A	–	–		Part no. **Euro**
AWOT-E-AC-AF 151.A10 **400**	Z023233 **12.592,–** A++ A	–	–		Part no. **Euro**
AWOT-E-AC 151.A13 **400**	–	Z023228 **12.718,–** A++ A	–		Part no. **Euro**
AWOT-E-AC-AF 151.A13 **400**	–	Z023234 **12.840,–** A++ A	–		Part no. **Euro**
AWOT-E-AC 151.A16 **400**	–	–	Z023229 **12.978,–** A++ A		Part no. **Euro**
AWOT-E-AC-AF 151.A16 **400**	–	–	Z023235 **13.104,–** A++ A		Part no. **Euro**

Specification					
Coefficient of performance (COP) at A7	5.0	4.9	4.9		
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4	3.3 - 14.9		kW
Flow temperature	70	70	70		°C
Sound power level	59	59	59		dB(A)
Cylinder capacity	190	190	190		l
Cooling capacity	9.5	11.2	13.3		kW
Energy efficiency ratio (EER)	4.5	4.1	3.7		
Max. cooling capacity	13.4	14.7	16.0		kW
Indoor unit width	600	600	600		mm
Indoor unit height	1900	1900	1900		mm
Indoor unit length	597	597	597		mm
Indoor unit weight	170	170	170		kg
Outdoor unit width	1144	1144	1144		mm
Outdoor unit height	1382	1382	1382		mm
Outdoor unit length	600	600	600		mm
Outdoor unit weight	197	197	197		kg
Energy efficiency ηs at W35	190	178	178		%
Energy efficiency ηs at W55	145	141	141		%
Rated heating output A2/W35	5.8	6.7	7.6		kW
Coefficient of performance (COP) at A2	4.1	3.8	3.8		
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3	3.0 - 13.7		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	9	12	13		
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,8	4,8		

Mobile applications and energy management systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see Register 1 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

►For more information on system requirements and ViGuide registration and usage, see Register 1 and **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.

Energy management systems

Viessmann energy management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. It enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems.
The energy management system provides extensive information on electricity flows and CO_2 reduction.

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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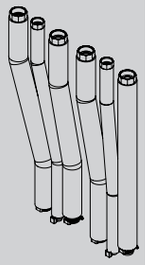
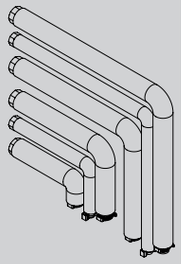
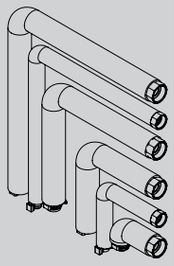
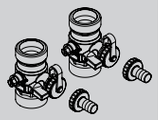
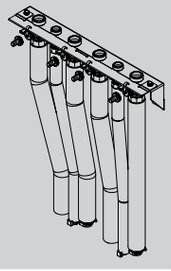
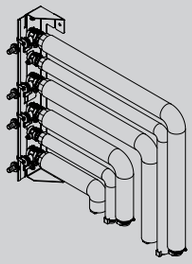
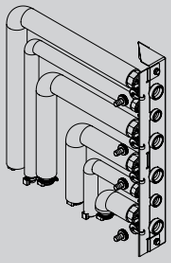
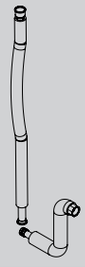
Accessories		
Accessories		MG WX
Notes: ■ A hydraulic connection set must also be ordered to install the appliances. ■ Where "to the left/to the right" is specified, this is when viewed from the front.		
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, upward connection ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06058 **225,–**	Part no. **Euro**
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, connection to the left ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06059 **225,–**	Part no. **Euro**
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, connection to the right ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06060 **225,–**	Part no. **Euro**
Ball valve set For flushing and venting. Must also be ordered if a pre-plumbing jig is not used. ■ Valves/fittings for flow and return to the outdoor unit 	ZK06057 **71,–**	Part no. **Euro**
Locking ring fittings for ball valve set As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm	7973236 **77,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, upward connection ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06061 **363,–**	Part no. **Euro**

6.14

Accessories		
Accessories		MG WX
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, connection to the left ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06062 **363,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, connection to the right ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06063 **363,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig for compact appliance, 1 heating/cooling circuit As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm	7973232 **101,–**	Part no. **Euro**
DHW circulation connection set ■ High efficiency circulation pump ■ Pipe assembly with thermal insulation	ZK06064 **388,–**	Part no. **Euro**
Connection set for DHW circulation (for on-site circulation pumps) ■ Pipe assembly with thermal insulation 	ZK06228 **91,–**	Part no. **Euro**

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Accessories

Filters and magnetite separators

MG VC

Heating filter with magnetite separation (backwashing)
- Rotating connection flange for horizontal and vertical installation
- Filter element made of stainless steel
- Easy to backwash for cleaning the filter element and magnet
- Replaceable filter element
- Manual backwashing and maintenance display
- Mesh size 100 µm
- Permiss. operating pressure 10 bar
- Permiss. operating temperature 110 °C
- Connection size Rp 1

Installed between indoor and outdoor unit – mandatory for heating system modernisation projects, recommended for new builds.

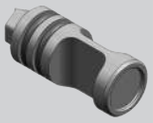
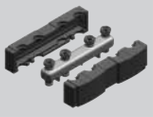
7266384
294,–

Part no.
Euro

Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode 				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long) 				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Notes:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	ZK06214 **269,–**		**–**	Part no. **Euro** MG WX

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Divicon heating/cooling circuit distributor for heating and cooling mode

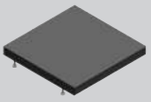
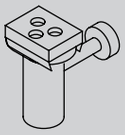
Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)			7465439 **60,–**		Part no. **Euro**

DHW heating accessories

Accessories

			MG W
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied		Z004247 **525,–**	Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**	Part no. **Euro**

Miscellaneous

Platform for unfinished floors For siting the appliance on unfinished floors. ■ Height-adjustable, for screed heights of 10 to 18 cm ■ Incl. thermal insulation		7417925 **474,–**	Part no. **Euro** MG WX
Drain outlet kit Drain outlet with trap and bezel DN 40.		7176014 **35,–**	Part no. **Euro** MG W

Cooling accessories

Cooling

MG WX

Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with just one direct heating/cooling circuit without buffer cylinder.	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.	7452646 **523,–**	Part no. **Euro**

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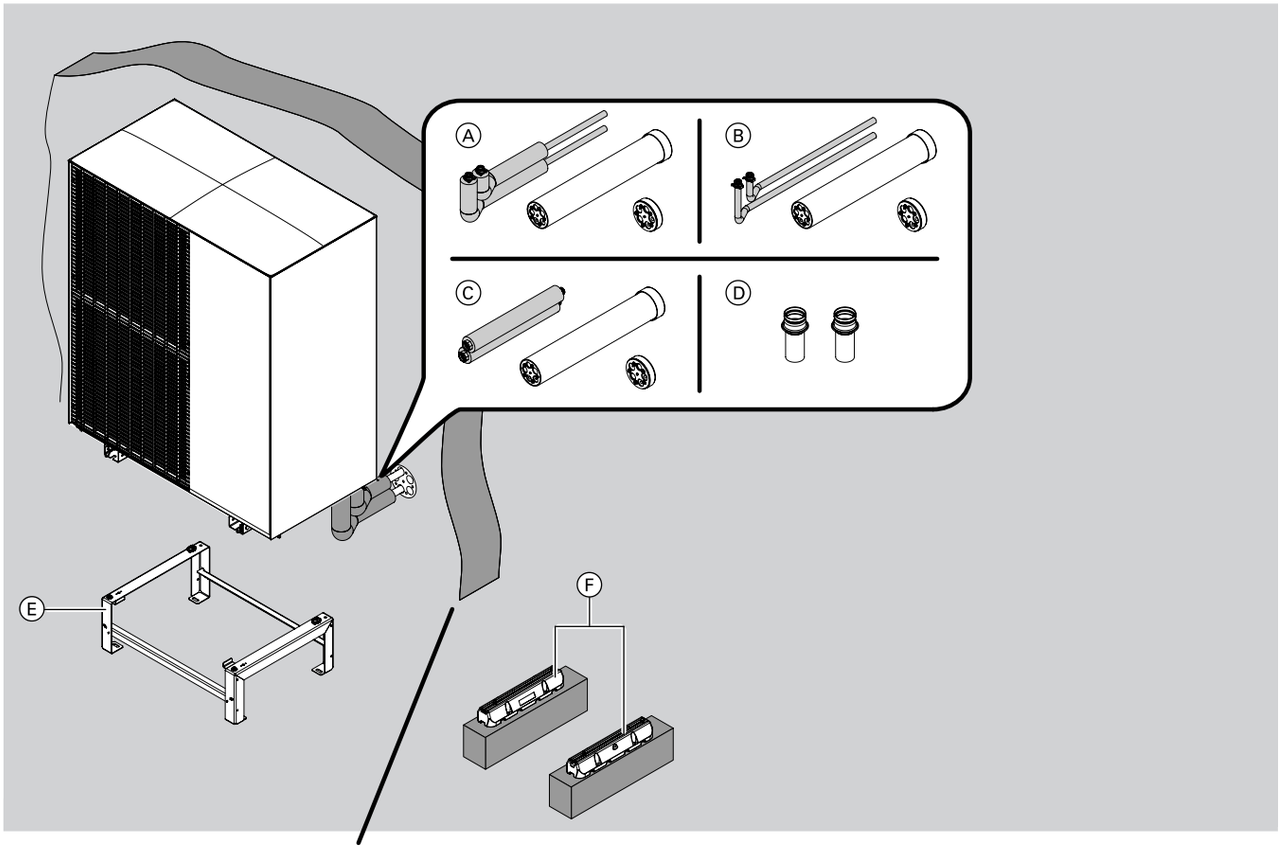
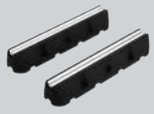
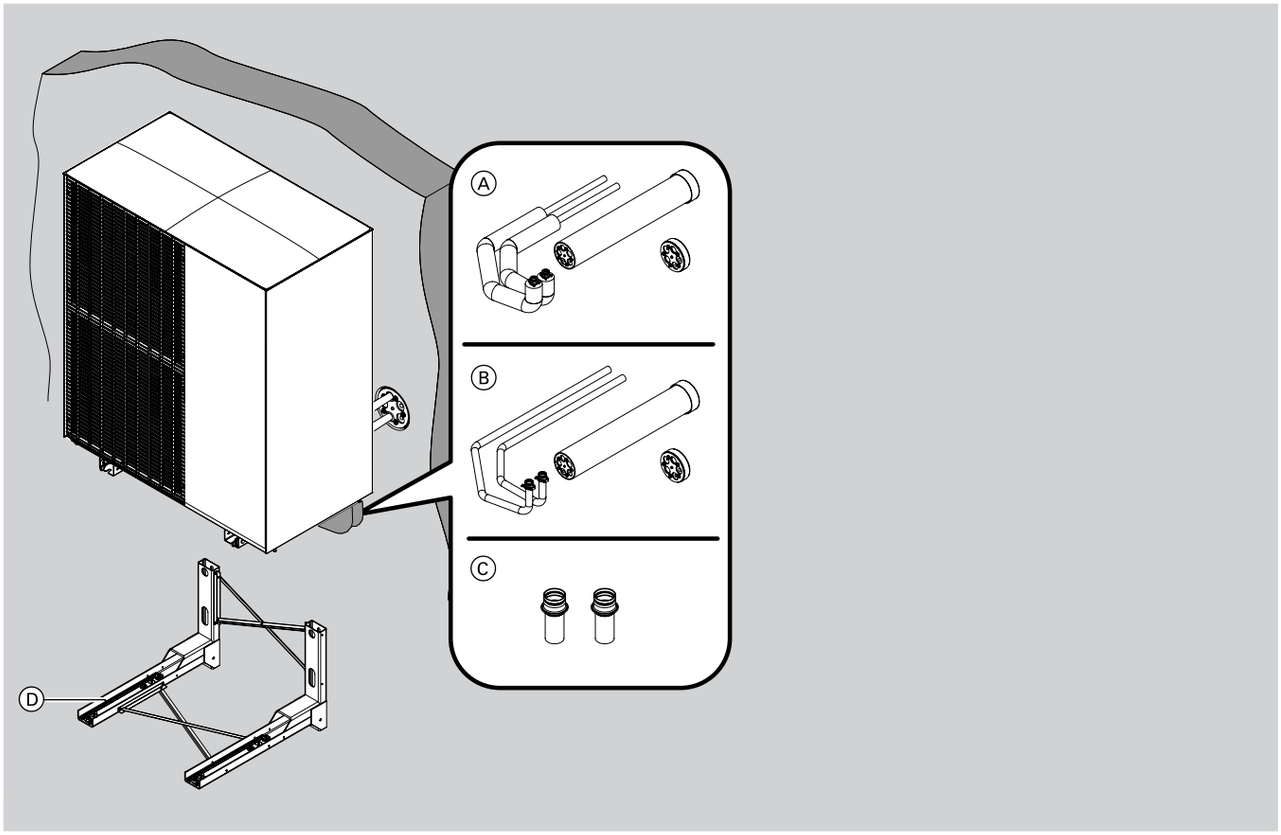
Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level



Siting the outdoor unit Example 1: Floor bracket and wall outlet above ground level		
Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06018 **1.171,–**	Part no. **Euro**
Ⓑ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06428 **777,–**	Part no. **Euro**
Ⓒ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is above ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06019 **839,–**	Part no. **Euro**
Ⓓ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Ⓔ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*	ZK06013 **182,–**	Part no. **Euro**
Ⓕ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm *If using with connection sets, please observe the technical guide for the required base height.* 	ZK06012 **77,–**	Part no. **Euro**

Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet



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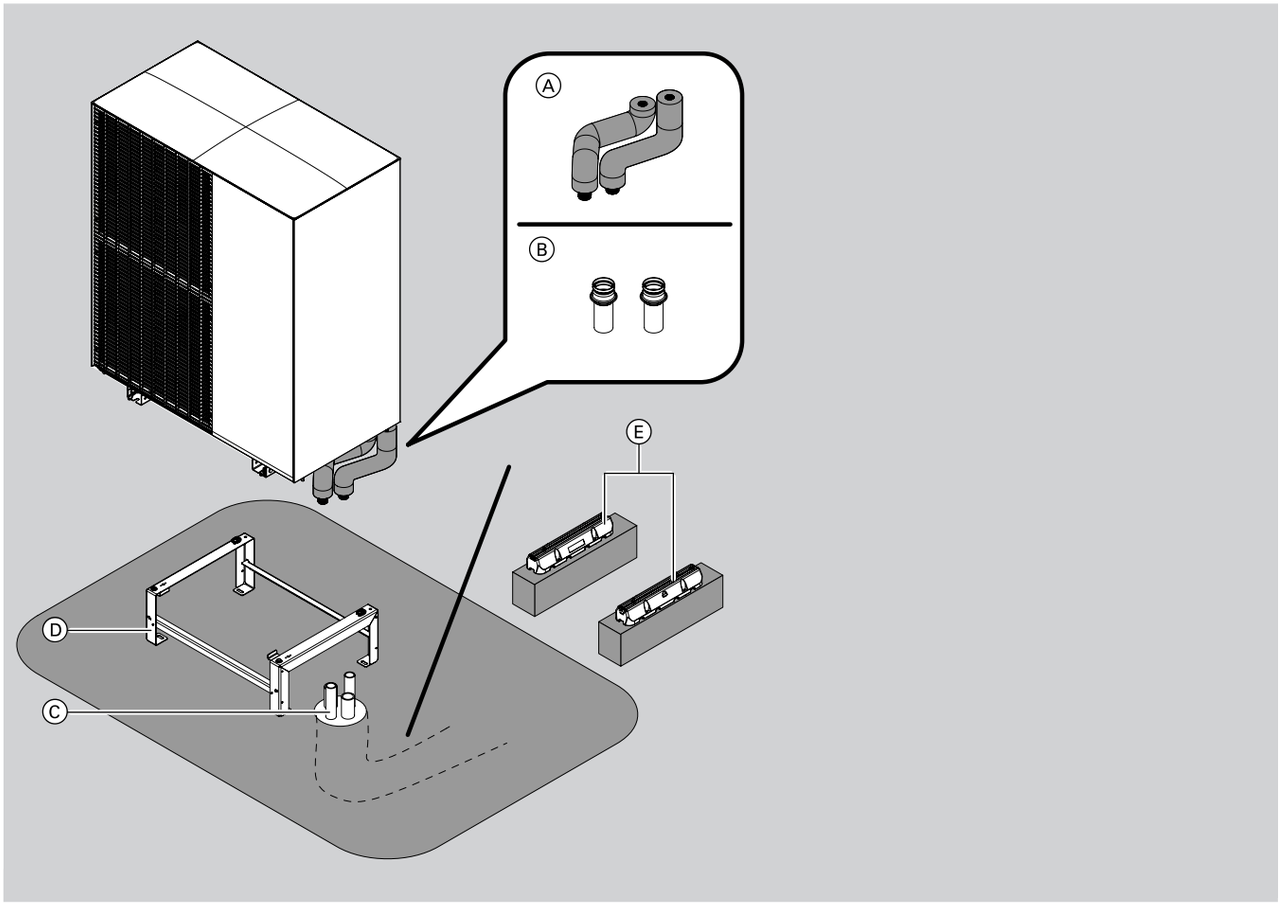
Siting the outdoor unit Example 2: Wall mounting bracket and wall outlet		
Heating circuit		MG WX
Ⓐ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06021 **1.145,–**	Part no. **Euro**
Ⓑ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06429 **807,–**	Part no. **Euro**
Ⓒ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**
Brackets for outdoor unit		MG WX
Ⓓ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: Height 560 mm, width 815 mm, length 838 mm	ZK06016 **566,–**	Part no. **Euro**

Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level



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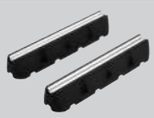
Siting the outdoor unit Example 3: Floor bracket and pipework below ground level		
Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is below ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm	ZK06020 **275,–**	Part no. **Euro**
Ⓑ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm *The basic connection set cannot be connected directly to the underground Quattro connection line.*	7973227 **31,–**	Part no. **Euro**
Ⓒ **Underground Quattro connection line** For hydraulic connection of outdoor heat pumps to the heating system, flexible routing underground. ■ Flow and return line 2 x PB 40 x 3.7, DN 32 to R 1¼ adaptors (male thread) ■ 2 empty conduits for power supply and communications cable between outdoor and indoor unit ■ Everything in one pipe		
Underground Quattro connection line Horizontal line length 5 m	7984138 **1.499,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 10 m	7984139 **1.744,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 15 m	7984140 **2.370,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 20 m	7984141 **2.938,–**	Part no. **Euro**
Ring seal for underground Quattro connection line Provides a seal against infiltrating water when installing underground using the Quattro DN 32 hydraulic connection set	7984142 **904,–**	Part no. **Euro**

Notes:
A connection set must also be ordered.
►*Observe the notes in the technical guides on line lengths for the hydraulic connection sets.*

Brackets for outdoor unit		
		MG WX
Ⓓ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*	ZK06013 **182,–**	Part no. **Euro**
Ⓔ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm 	ZK06012 **77,–**	Part no. **Euro**

6.14

Accessories		
Miscellaneous		MG WX
Electric ribbon heater for condensate pan As frost protection for the outdoor unit condensate pan. Only for free flowing condensate. ■ Length of ribbon heater 1.6 m ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK06022 **269,–**	Part no. **Euro**
Electric ribbon heater for condensate drain Supplements the electric ribbon heater for the condensate pan if the condensate is to be drained centrally via a hose. ■ Length of ribbon heater 2.8 m ■ Drain hose Ø 33.4 x 4 mm, length 1.25 m ■ Condensate drain elbow	7973114 **181,–**	Part no. **Euro**
Fan ring heater (1 pce) To protect the fan from freezing For climatic regions with longer frost periods *For types ...A4 to ...A8*	ZK06023 **270,–**	Part no. **Euro**
Fan ring heater (2 pce) To protect the fan from freezing For climatic regions with longer frost periods *For types ...A10 to ...A16*	ZK07157 **540,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1 l spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

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Energy management

Photovoltaics

		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

6.14

Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973122 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973123 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973124 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Notes:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

6.14

Wireless accessories		MG Y
Individual room control with ViCare thermostatic radiator valves and floor thermostat Connected directly to the Viessmann One Base heat pump for individual room control via the ViCare app ■ Adjustable time programs for each room control the room temperatures based on demand ■ Can be used for heating and cooling requirements ■ Dynamic hydronic balancing: TÜV-certified solution for radiators and underfloor heating. Automatic calculation and continuous dynamic adjustment of settings		
ViCare thermostatic radiator valve (low power radio) Battery operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: White. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*	ZK03840 **88,–**	Part no. **Euro**

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Accessories		
Wireless accessories		MG Y
ViCare floor thermostat (low power radio) Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect. ■ Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators) ■ The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control. ■ An integral frost protection function prevents damage to the fabric of the building. ■ An anti-limescale function prevents the actuator valves from seizing up. ■ Compatible with N/O and N/C thermal actuators. ■ The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value. Standard delivery: ■ ViCare floor thermostat ■ External aerial with connecting cable, 1.3 m long ■ Contact temperature sensor with connecting lead, 1.8 m long and hose clip ■ Connecting cable, 1.2 m long, with plug ■ Tool for operating the pairing button ■ Installation material for wall mounting *Up to 4 ViCare floor thermostats can be supported simultaneously.*		ZK03838 **306,–**	Part no. **Euro**
ViCare climate sensor – temperature and humidity sensor (low power radio) Battery operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect. ■ The ViCare climate sensor captures the temperature and the relative humidity in the room. ■ In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control. Standard delivery: ■ ViCare climate sensor ■ Battery, button cell CR2450, 600 mAh ■ Installation material for wall mounting *A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.*		ZK03839 **54,–**	Part no. **Euro**

Accessories		
Remote control units		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: Support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must also be ordered.* ■ *No more than one Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** **MG Y**
Sensors		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug As a cylinder temperature sensor for DHW cylinders or heating water buffer cylinders.	7438702 **110,–**	Part no. **Euro**
Contact temperature sensor (NTC 10 kOhm) ■ To capture a temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**
Heating circuit control unit extension		MG W
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**

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Accessories		
Heating circuit control unit extension		MG W
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Only suitable for heating mode*	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately) *Suitable for heating and cooling operation*	Z025981 **373,–**	Part no. **Euro**

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Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on top-hat rails. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for linking up to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/TCP communication standards. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/RTU communication standards. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, see Register 1 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

VITOCAL 250-A

Air source heat pumps
Monoblock version
2.1 to 13.4 kW A7/W35
1.8 to 12.3 kW A2/W35

6.15

Vitocal 250-A

Up to 70 °C flow temperature

Type AWO-E-AC(-AF) 251.A (2C)
Heat pump with electric drive in monoblock version with outdoor and indoor unit
- For room heating/cooling and DHW heating
- Monoblock indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way valve, safety assembly
- Integral instantaneous heating water heater
- Integral buffer cylinder and overflow valve

Versions:
- AF: With integral electric ribbon heater in the condensate pan
- 2C: With integral 2nd heating/cooling circuit

Permissible operating pressure: Heating water 3 bar (0.3 MPa)
Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitographite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: Up to 5.3 at A7/W35
- Output control and DC inverter for high efficiency in partial load operation
- A maximum flow temperature of up to 70 °C at an outside temperature of -10 °C enables use in both new build and modernisation projects.
- Self-optimising control of the flow rate via Viessmann Hydro AutoControl
- Environmentally responsible, natural refrigerant R290 with a particularly low GWP (Global Warming Potential) of 0
- Convenient reversible design for heating and cooling
- Especially quiet operation thanks to Advanced Acoustic Design+ (AAD+)
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and ViGuide
- Guided commissioning via ViGuide
- Individual room control with components from ViCare Smart Climate

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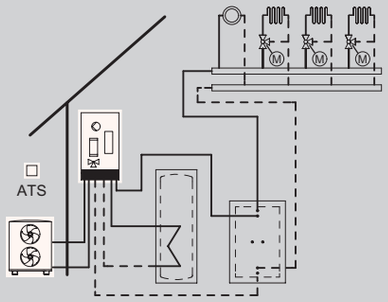
VITOCAL 250-A

Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-M-E-AC 251.A
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

To operate multiple regulated heating/cooling circuits downstream of the heating water buffer cylinders, a separate heating water/coolant buffer cylinder is required.

6.15

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

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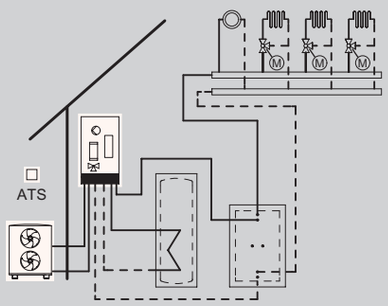
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	 4.8 5.6	 5.6 6.5	 7.3 9.7	 8.1 11.1		MG WT
AWO-M-E-AC 251.A04 230	Z026380 **9.752,–** A++	–	–	–	–		Part no. **Euro** Energy
AWO-M-E-AC 251.A06 230	–	Z026381 **10.059,–** A++	–	–	–		Part no. **Euro** Energy
AWO-M-E-AC 251.A08 230	–	–	Z026382 **10.366,–** A++	–	–		Part no. **Euro** Energy
AWO-M-E-AC 251.A10 230	–	–	–	Z022164 **12.790,–** A+++	–		Part no. **Euro** Energy
AWO-M-E-AC 251.A13 230	–	–	–	–	Z022165 **13.275,–** A++		Part no. **Euro** Energy
Specification							
Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70	70	70	70		°C
Sound power level	49	49	49	54	54		dB(A)
Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
Max. cooling capacity	4.0	5.5	6.0	12.9	14.1		kW
Indoor unit width	450	450	450	450	450		mm
Indoor unit height	920	920	920	920	920		mm
Indoor unit length	360	360	360	360	360		mm
Indoor unit weight	47	47	47	47	47		kg
Outdoor unit width	1144	1144	1144	1144	1144		mm
Outdoor unit height	841	841	841	1382	1382		mm
Outdoor unit length	600	600	600	600	600		mm
Outdoor unit weight	162	162	162	210	215		kg
Energy efficiency ηs at W35	189	183	176	197	195		%
Energy efficiency ηs at W55	143	141	140	152	154		%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7		kW
Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 250-A

Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-M-E-AC-AF 251.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

SG Ready

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

6.15

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

To operate multiple regulated heating/cooling circuits downstream of the heating water buffer cylinders, a separate heating water/coolant buffer cylinder is required.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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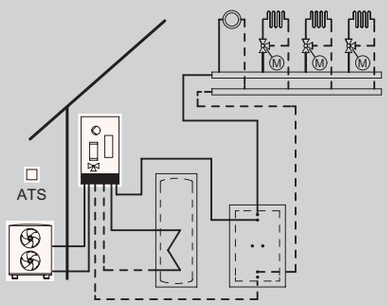
	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511)						MG WT
		4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1		
	AWO-M-E-AC-AF 251.A04 **230**	Z026392 **10.529,–** A++	–	–	–	–		Part no. **Euro** Energy
	AWO-M-E-AC-AF 251.A06 **230**	–	Z026393 **10.871,–** A++	–	–	–		Part no. **Euro** Energy
	AWO-M-E-AC-AF 251.A08 **230**	–	–	Z026394 **11.212,–** A++	–	–		Part no. **Euro** Energy
	AWO-M-E-AC-AF 251.A10 **230**	–	–	–	Z022168 **12.930,–** A+++	–		Part no. **Euro** Energy
	AWO-M-E-AC-AF 251.A13 **230**	–	–	–	–	Z022169 **13.467,–** A++		Part no. **Euro** Energy
	Specification							
	Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
	Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
	Flow temperature	70	70	70	70	70		°C
	Sound power level	49	49	49	54	54		dB(A)
	Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
	Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
	Max. cooling capacity	4.0	5.5	6.0	12.9	14.1		kW
	Indoor unit width	450	450	450	450	450		mm
	Indoor unit height	920	920	920	920	920		mm
	Indoor unit length	360	360	360	360	360		mm
	Indoor unit weight	47	47	47	47	47		kg
	Outdoor unit width	1144	1144	1144	1144	1144		mm
	Outdoor unit height	841	841	841	1382	1382		mm
	Outdoor unit length	600	600	600	600	600		mm
	Outdoor unit weight	162	162	162	215	215		kg
	Energy efficiency ηs at W35	189	183	176	197	195		%
	Energy efficiency ηs at W55	143	141	140	152	154		%
	Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7		kW
	Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
	Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW
	Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12		
	COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 250-A

Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-E-AC 251.A/AWO-E-AC-AF 251.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

SG Ready

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

To operate multiple regulated heating/cooling circuits downstream of the heating water buffer cylinders, a separate heating water/coolant buffer cylinder is required.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-E-AC 251.A/AWO-E-AC-AF 251.A
Heating and cooling

	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1		MG WT
	AWO-E-AC 251.A10 **400**	Z022166 **12.960,–** A+++	–		Part no. **Euro** Energy
	AWO-E-AC-AF 251.A10 **400**	Z022170 **13.104,–** A+++	–		Part no. **Euro** Energy
	AWO-E-AC 251.A13 **400**	–	Z022167 **13.449,–** A++		Part no. **Euro** Energy
	AWO-E-AC-AF 251.A13 **400**	–	Z022171 **13.646,–** A++		Part no. **Euro** Energy

Specification				
Coefficient of performance (COP) at A7	5.3	5.2		
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70		°C
Sound power level	55	54		dB(A)
Cooling capacity	6.5	8.2		kW
Energy efficiency ratio (EER)	5.3	4.9		
Max. cooling capacity	13.2	15.1		kW
Indoor unit width	450	450		mm
Indoor unit height	920	920		mm
Indoor unit length	360	360		mm
Indoor unit weight	47	47		kg
Outdoor unit width	1144	1144		mm
Outdoor unit height	1382	1382		mm
Outdoor unit length	600	600		mm
Outdoor unit weight	221	221		kg
Energy efficiency ηs at W35	198	195		%
Energy efficiency ηs at W55	152	154		%
Rated heating output A2/W35	5.8	6.7		kW
Coefficient of performance (COP) at A2	4.5	4		
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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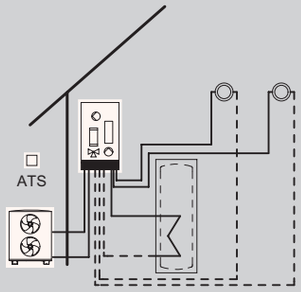
VITOCAL 250-A

Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-M-E-AC 251.A 2C
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide For optimised self-consumption, additional accessories are required: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel
- Integral 2nd heating/cooling circuit

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

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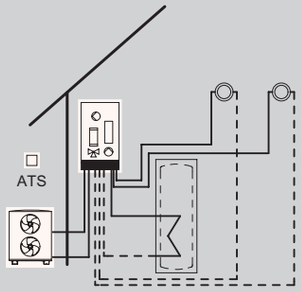
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1	MG WT
AWO-M-E-AC 251.A04 2C 230	Z026386 **11.139,–** A++	–	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC 251.A06 2C 230	–	Z026387 **11.446,–** A++	–	–	–	Part no. **Euro** Energy
AWO-M-E-AC 251.A08 2C 230	–	–	Z026388 **11.753,–** A++	–	–	Part no. **Euro** Energy
AWO-M-E-AC 251.A10 2C 230	–	–	–	Z022774 **14.177,–** A+++	–	Part no. **Euro** Energy
AWO-M-E-AC 251.A13 2C 230	–	–	–	–	Z022775 **14.662,–** A++	Part no. **Euro** Energy

Specification						
Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2	
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4	kW
Flow temperature	70	70	70	70	70	°C
Sound power level	49	49	49	54	54	dB(A)
Cooling capacity	4.0	5.0	6.0	6.3	7.9	kW
Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8	
Max. cooling capacity	4.0	5.5	6.0	12.9	14.1	kW
Indoor unit width	600	600	600	600	600	mm
Indoor unit height	920	920	920	920	920	mm
Indoor unit length	360	360	360	360	360	mm
Indoor unit weight	47	47	47	55	55	kg
Outdoor unit width	1144	1144	1144	1144	1144	mm
Outdoor unit height	841	841	841	1382	1382	mm
Outdoor unit length	600	600	600	600	600	mm
Outdoor unit weight	162	162	162	215	215	kg
Energy efficiency ηs at W35	189	183	176	197	195	%
Energy efficiency ηs at W55	143	141	140	152	154	%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7	kW
Coefficient of performance (COP) at A2	4	4	3.7	4.5	4	
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3	kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12	
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1	

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 250-A

Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-M-E-AC-AF 251.A 2C
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide For optimised self-consumption, additional accessories are required: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel
- Integral 2nd heating/cooling circuit

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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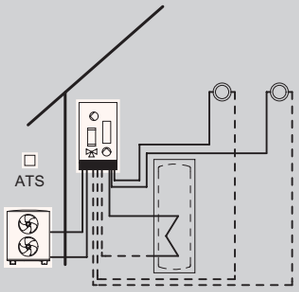
	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	 4.8 5.6	 5.6 6.5	 7.3 9.7	 8.1 11.1		MG WT
	AWO-M-E-AC-AF 251.A04 2C 230	Z026398 **11.916,–** A++	–	–	–	–		Part no. **Euro** Energy
	AWO-M-E-AC-AF 251.A06 2C 230	–	Z026399 **12.258,–** A++	–	–	–		Part no. **Euro** Energy
	AWO-M-E-AC-AF 251.A08 2C 230	–	–	Z026400 **12.599,–** A++	–	–		Part no. **Euro** Energy
	AWO-M-E-AC-AF 251.A10 2C 230	–	–	–	Z022778 **14.317,–** A+++	–		Part no. **Euro** Energy
	AWO-M-E-AC-AF 251.A13 2C 230	–	–	–	–	Z022779 **14.854,–** A++		Part no. **Euro** Energy
	Specification							
	Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
	Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
	Flow temperature	70	70	70	70	70		°C
	Sound power level	49	49	49	54	54		dB(A)
	Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
	Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.9		
	Max. cooling capacity	4.0	5.5	6.0	12.9	14.1		kW
	Indoor unit width	600	600	600	600	600		mm
	Indoor unit height	920	920	920	920	920		mm
	Indoor unit length	360	360	360	360	360		mm
	Indoor unit weight	47	47	47	55	55		kg
	Outdoor unit width	1144	1144	1144	1144	1144		mm
	Outdoor unit height	841	841	841	1382	1382		mm
	Outdoor unit length	600	600	600	600	600		mm
	Outdoor unit weight	162	162	162	215	215		kg
	Energy efficiency ηs at W35	189	183	176	197	195		%
	Energy efficiency ηs at W55	143	141	140	152	154		%
	Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7		kW
	Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
	Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW
	Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12		
	COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 250-A

Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-E-AC 251.A 2C/AWO-E-AC-AF 251.A 2C
Heating and cooling

Heating system	Control unit
	**Heat pump control unit for weather-compensated mode**
■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer	■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide For optimised self-consumption, additional accessories are required: See Accessories.

ViCare ViGuide

SG Ready

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel
- Integral 2nd heating/cooling circuit

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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Air source heat pumps, monoblock version
Vitocal 250-A, type AWO-E-AC 251.A 2C/AWO-E-AC-AF 251.A 2C
Heating and cooling

Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1		MG WT
AWO-E-AC 251.A10 2C 400	Z022776 **14.347,–** A+++	**–**		Part no. **Euro** Energy
AWO-E-AC-AF 251.A10 2C 400	Z022780 **14.491,–** A+++	**–**		Part no. **Euro** Energy
AWO-E-AC 251.A13 2C 400	**–**	Z022777 **14.836,–** A++		Part no. **Euro** Energy
AWO-E-AC-AF 251.A13 2C 400	**–**	Z022781 **15.033,–** A++		Part no. **Euro** Energy

Specification				
Coefficient of performance (COP) at A7	5.3	5.2		
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70		°C
Sound power level	54	54		dB(A)
Cooling capacity	6.5	8.2		kW
Energy efficiency ratio (EER)	5.3	4.9		
Max. cooling capacity	13.0	15.1		kW
Indoor unit width	600	600		mm
Indoor unit height	920	920		mm
Indoor unit length	360	360		mm
Indoor unit weight	55	55		kg
Outdoor unit width	1144	1144		mm
Outdoor unit height	1382	1382		mm
Outdoor unit length	600	600		mm
Outdoor unit weight	221	221		kg
Energy efficiency ηs at W35	197	195		%
Energy efficiency ηs at W55	152	154		%
Rated heating output A2/W35	5.8	6.7		kW
Coefficient of performance (COP) at A2	4.5	4		
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Mobile applications and energy management systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see Register 1 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

►For more information on system requirements and ViGuide registration and usage, see Register 1 and **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.

Energy management systems

Viessmann energy management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. It enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems.
The energy management system provides extensive information on electricity flows and CO_2 reduction.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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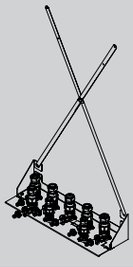
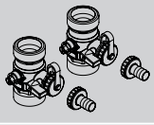
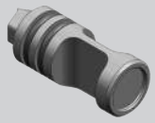
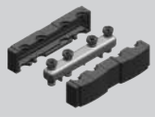
Accessories		
Accessories		MG WX
Pre-plumbing jig for surface mounting For monoblock indoor units measuring 450 mm wide ■ Fixings ■ Valves/fittings *On-site insulation required for cooling mode.* *We recommend using the ball valve set for cooling mode.* 	ZK06008 **398,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 450 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting*	7973232 **101,–**	Part no. **Euro**
Pre-plumbing jig for surface mounting For monoblock indoor units measuring 600 mm wide ■ Fixings ■ Valves/fittings *On-site insulation required for cooling mode* *We recommend using the ball valve set for cooling mode.* 	ZK06210 **485,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 600 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 6x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting*	7973233 **133,–**	Part no. **Euro**
Ball valve set For flushing and venting. Must also be ordered if a pre-plumbing jig is not used. ■ Valves/fittings for flow and return to the outdoor unit 	ZK06057 **71,–**	Part no. **Euro**
Locking ring fittings for ball valve set As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm	7973236 **77,–**	Part no. **Euro**
Valve/fittings cover, 450 mm For indoor units measuring 450 mm wide. ■ Colour: Vitopearlwhite ■ Installed directly on the indoor unit	7973427 **78,–**	Part no. **Euro**
Valve/fittings cover, 600 mm For indoor units measuring 600 mm wide ■ Colour: Vitopearlwhite ■ Installed directly on the indoor unit	7973428 **84,–**	Part no. **Euro**

Accessories		
Filters and magnetite separators		**MG VC**
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1 *Installed between indoor and outdoor unit – mandatory for heating system modernisation projects, recommended for new builds.*	7266384 **294,–**	Part no. **Euro**

Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Notes:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	ZK06214 **269,–**		**–**	Part no. **Euro** MG WX

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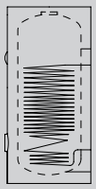
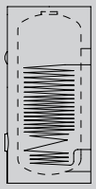
Divicon heating/cooling circuit distributor for heating and cooling mode

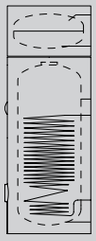
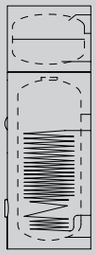
Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating water/coolant buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		Z026454 **1.396,–** B	**–**	Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation		**–**	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: Buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header*		Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: Buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.*		Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector			7180662 **251,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating water/coolant buffer cylinder

Immersion heater Cylinder capacity (litres)		200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell		–	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell		Z021939 **825,–**			Part no. **Euro**

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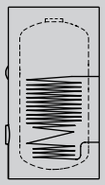
DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V Cylinder capacity (litres)		390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be installed.		Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater Cylinder capacity (litres)		390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell		Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14°dH (medium hardness level up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell		Z026669 **827,–**		Part no. **Euro**

Accessories Cylinder capacity (litres)		390	500	MG W
Solar heat exchanger set For connecting solar collectors to the Vitocell 100-V/100-W ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation		7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied		Z004247 **525,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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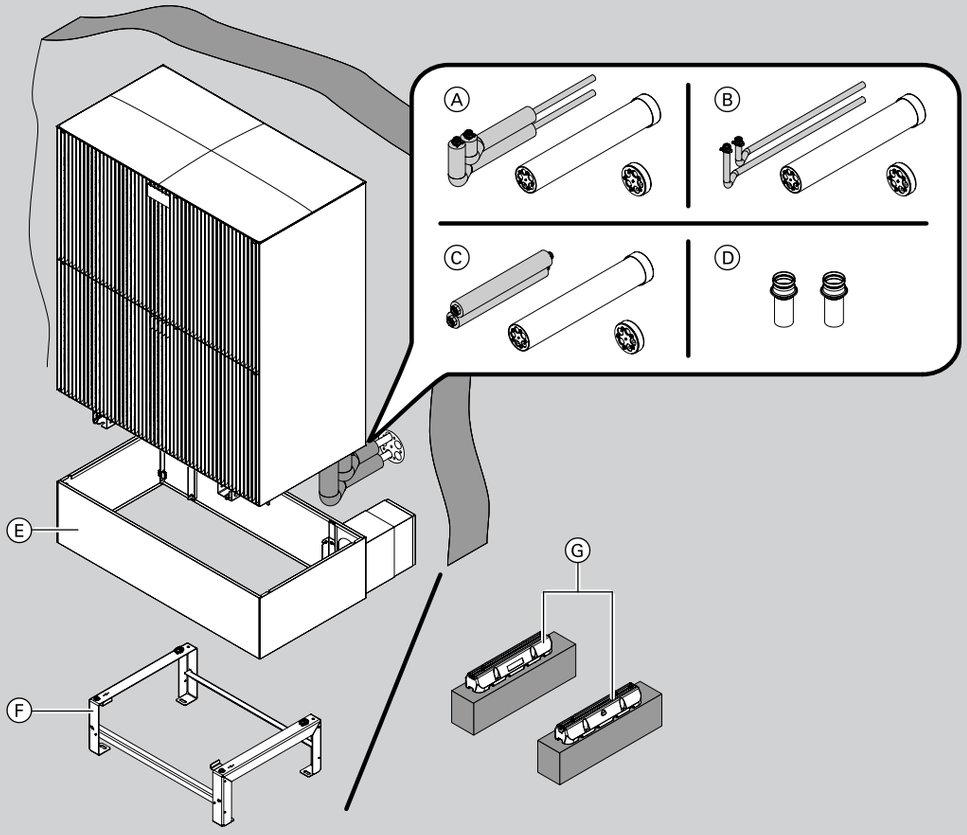
Cooling accessories		
Cooling		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with just one direct heating/cooling circuit without buffer cylinder.	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.	7452646 **523,–**	Part no. **Euro**

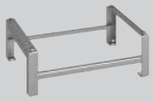
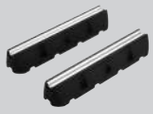
Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level



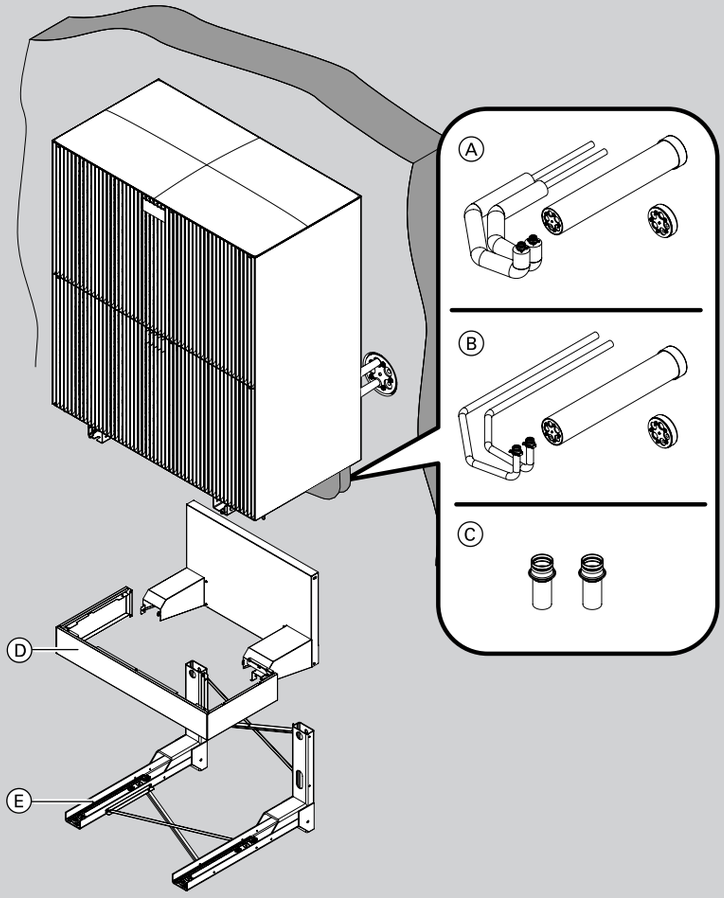
Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06018 **1.171,–**	Part no. **Euro**
Ⓑ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06428 **777,–**	Part no. **Euro**

Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level

Heating circuit		MG WX
Ⓒ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is above ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06019 **839,–**	Part no. **Euro**
Ⓓ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

Brackets for outdoor unit			MG WX
Ⓔ **Design casing for floor bracket incl. wall connection** ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 298 mm, width 1144 mm, length (variable) 791 to 935 mm		ZK06015 **577,–**	Part no. **Euro**
Ⓕ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓖ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm *If using with connection sets, please observe the technical guide for the required base height.*		ZK06012 **77,–**	Part no. **Euro**

Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet



Heating circuit		MG WX
Ⓐ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06021 **1.145,–**	Part no. **Euro**
Ⓑ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06429 **807,–**	Part no. **Euro**
Ⓒ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

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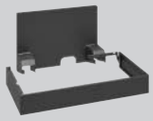
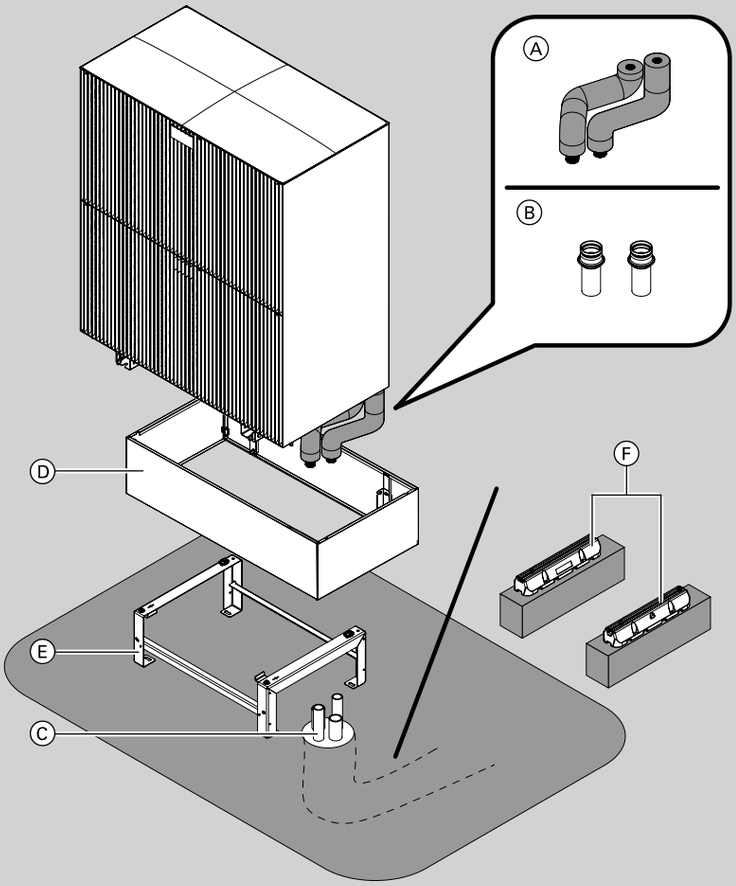
Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet

Brackets for outdoor unit			MG WX
Ⓓ **Design casing for wall mounting bracket** ■ For covering the hydraulic pipework when wall mounted ■ Colour: Vitographite		ZK06017 **395,–**	Part no. **Euro**
Ⓔ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: Height 560 mm, width 815 mm, length 838 mm		ZK06016 **566,–**	Part no. **Euro**

Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level



Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is below ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm	ZK06020 **275,–**	Part no. **Euro**
Ⓑ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm *The basic connection set cannot be connected directly to the underground Quattro connection line.*	7973227 **31,–**	Part no. **Euro**
Ⓒ **Underground Quattro connection line** For hydraulic connection of outdoor heat pumps to the heating system, flexible routing underground. ■ Flow and return line 2 x PB 40 x 3.7, DN 32 to R 1¼ adaptors (male thread) ■ 2 empty conduits for power supply and communications cable between outdoor and indoor unit ■ Everything in one pipe		
Underground Quattro connection line Horizontal line length 5 m	7984138 **1.499,–**	Part no. **Euro**

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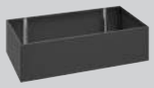
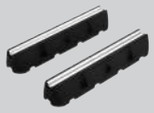
Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level

Heating circuit		MG WX
Underground Quattro connection line Horizontal line length 10 m	7984139 **1.744,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 15 m	7984140 **2.370,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 20 m	7984141 **2.938,–**	Part no. **Euro**
Ring seal for underground Quattro connection line Provides a seal against infiltrating water when installing underground using the Quattro DN 32 hydraulic connection set	7984142 **904,–**	Part no. **Euro**

Notes:
A connection set must also be ordered.
► *Observe the notes in the technical guides on line lengths for the hydraulic connection sets.*

Brackets for outdoor unit			MG WX
Ⓓ **Design casing for floor bracket** ■ For positioning on level ground ■ Colour: Vitographite		ZK06014 **483,–**	Part no. **Euro**
Ⓔ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓕ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm		ZK06012 **77,–**	Part no. **Euro**

Accessories		
Miscellaneous		MG WX
Electric ribbon heater for condensate pan As frost protection for the outdoor unit condensate pan. Only for free flowing condensate. ■ Length of ribbon heater 1.6 m ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK06022 **269,–**	Part no. **Euro**
Electric ribbon heater for condensate drain Supplements the electric ribbon heater for the condensate pan if the condensate is to be drained centrally via a hose. ■ Length of ribbon heater 2.8 m ■ Drain hose Ø 33.4 x 4 mm, length 1.25 m ■ Condensate drain elbow	7973114 **181,–**	Part no. **Euro**
Fan ring heater To protect the fan from freezing For climatic regions with longer frost periods *For types A4 to A8*	ZK06023 **270,–**	Part no. **Euro**
Fan ring heater To protect the fan from freezing For climatic regions with longer frost periods *For types A10 to A13*	ZK07157 **540,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Design covers for evaporator Design covers to conceal the EPP parts around the evaporator. Colour: Vitographite *Cannot be installed in conjunction with design casing for grille.*	ZK06215 **54,–**	Part no. **Euro**
Design casing for grille (1 fan) To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 758 mm, width 752 mm, depth 29 mm *Cannot be installed in conjunction with design covers for evaporator.*	7968703 **315,–**	Part no. **Euro**
Design casing for grille (2 fan) To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 1299 mm, width 752 mm, depth 29 mm *Cannot be installed in conjunction with design covers for evaporator.*	ZK06025 **350,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1 l spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

Accessories		
Photovoltaics		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973122 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973123 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973124 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Notes:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

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Wireless accessories		MG Y
Individual room control with ViCare thermostatic radiator valves and floor thermostat Connected directly to the Viessmann One Base heat pump for individual room control via the ViCare app ■ Adjustable time programs for each room control the room temperatures based on demand ■ Can be used for heating and cooling requirements ■ Dynamic hydronic balancing: TÜV-certified solution for radiators and underfloor heating. Automatic calculation and continuous dynamic adjustment of settings		
ViCare thermostatic radiator valve (low power radio) Battery operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: White. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*		ZK03840 **88,–**	Part no. **Euro**

Accessories		
Wireless accessories		MG Y
ViCare floor thermostat (low power radio) Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect. ■ Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators) ■ The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control. ■ An integral frost protection function prevents damage to the fabric of the building. ■ An anti-limescale function prevents the actuator valves from seizing up. ■ Compatible with N/O and N/C thermal actuators. ■ The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value. Standard delivery: ■ ViCare floor thermostat ■ External aerial with connecting cable, 1.3 m long ■ Contact temperature sensor with connecting lead, 1.8 m long and hose clip ■ Connecting cable, 1.2 m long, with plug ■ Tool for operating the pairing button ■ Installation material for wall mounting *Up to 4 ViCare floor thermostats can be supported simultaneously.*		ZK03838 **306,–**	Part no. **Euro**
ViCare climate sensor – temperature and humidity sensor (low power radio) Battery operated temperature and humidity sensor for monitoring the room climate. The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect. ■ The ViCare climate sensor captures the temperature and the relative humidity in the room. ■ In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control. Standard delivery: ■ ViCare climate sensor ■ Battery, button cell CR2450, 600 mAh ■ Installation material for wall mounting *A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.*		ZK03839 **54,–**	Part no. **Euro**

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Accessories

Remote control units

		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: Support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must also be ordered.* ■ *No more than one Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** **MG Y**

Sensors

		MG W
Immersion temperature sensor (NTC 10 kOhm) ■ To capture the temperature in a sensor well ■ With connecting lead (5.8 m long) and plug As a cylinder temperature sensor for DHW cylinders or heating water buffer cylinders.	7438702 **110,–**	Part no. **Euro**
Contact temperature sensor (NTC 10 kOhm) ■ To capture a temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**

Heating circuit control unit extension

		MG W
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (1.5 m long) *Only in conjunction with a directly connected heating circuit without mixer.*	ZK04647 **131,–**	Part no. **Euro**
Immersion temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ With stainless steel sensor well R ½ x 200 mm *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151728 **214,–**	Part no. **Euro**
Contact temperature limiter Temperature limiter to restrict the maximum temperature of underfloor heating systems ■ With connecting lead (4.2 m long) and plug ■ Temperature limit adjustable from 30 to 80 °C *In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.*	7151729 **164,–**	Part no. **Euro**

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Accessories		
Heating circuit control unit extension		MG W
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z025981 **373,–**	Part no. **Euro**

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Please note:
Mixer extension kit cannot be used for indoor units with 2 integral heating/cooling circuits (types ...2C).

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Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on top-hat rails. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for linking up to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/TCP communication standards. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/RTU communication standards. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail 	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted 	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, see Register 1 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

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VITOCAL 252-A

Air source heat pumps
Compact appliance, monoblock version
2.1 - 13.4 kW A7/W35
1.8 - 12.3 kW A2/W35

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Vitocal 252-A

Up to 70 °C flow temperature

Type AWOT-E-AC(-AF) 251.A (2C)

Compact heat pump in monoblock version with outdoor unit and indoor unit
- For room heating/cooling and DHW heating
- Monoblock indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way valve, safety assembly
- Integral DHW cylinder
- Integral instantaneous heating water heater
- Integral buffer cylinder and overflow valve

Versions:
- AF: With integral electric ribbon heater in the condensate pan
- 2C: With integral 2nd heating/cooling circuit

Permissible operating pressure: Heating water 3 bar (0.3 MPa)
Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitographite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: Up to 5.3 at A7/W35
- Output control and DC inverter for high efficiency in partial load operation
- A maximum flow temperature of up to 70 °C at an outside temperature of -10 °C enables use in both new build and modernisation projects.
- Self-optimising control via Viessmann Hydro AutoControl
- Environmentally responsible, natural refrigerant R290 with a particularly low GWP (Global Warming Potential) of 0
- Convenient reversible design for heating and cooling
- Integral DHW cylinder, 190 l
- Especially quiet operation thanks to Advanced Acoustic Design+ (AAD+)
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and ViGuide
- Guided commissioning via ViGuide
- Individual room control with components from ViCare Smart Climate

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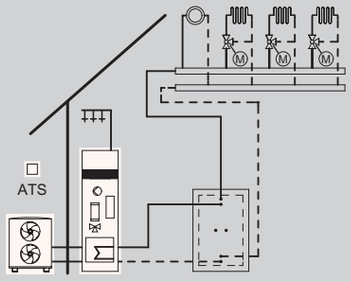
VITOCAL 252-A

Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-M-E-AC 251.A
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer ■ DHW heating	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

ViCare ViGuide

SG Ready

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Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-M-E-AC 251.A
Heating and cooling

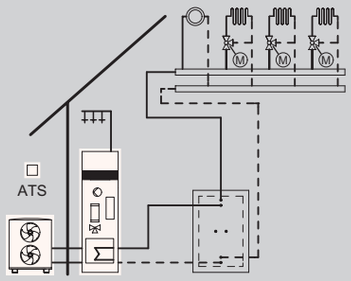
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1	MG WT
AWOT-M-E-AC 251.A04 **230**	Z026404 **12.273,–** A++ A	–	–	–	–	Part no. **Euro**
AWOT-M-E-AC 251.A06 **230**	–	Z026405 **12.580,–** A++ A	–	–	–	Part no. **Euro**
AWOT-M-E-AC 251.A08 **230**	–	–	Z026406 **12.887,–** A++ A	–	–	Part no. **Euro**
AWOT-M-E-AC 251.A10 **230**	–	–	–	Z022214 **15.311,–** A++ A+	–	Part no. **Euro**
AWOT-M-E-AC 251.A13 **230**	–	–	–	–	Z022215 **15.796,–** A++ A	Part no. **Euro**
Specification						
Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2	
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4	kW
Flow temperature	70	70	70	70	70	°C
Sound power level	49	49	49	54	54	dB(A)
Cylinder capacity	190	190	190	190	190	l
Cooling capacity	4.0	5.0	6.0	6.3	7.9	kW
Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8	
Max. cooling capacity	4.0	5.5	6.0	12.9	14.1	kW
Indoor unit width	600	600	600	600	600	mm
Indoor unit height	1900	1900	1900	1900	1900	mm
Indoor unit length	597	597	597	597	597	mm
Indoor unit weight	170	170	170	170	170	kg
Outdoor unit width	1144	1144	1144	1144	1144	mm
Outdoor unit height	841	841	841	1382	1382	mm
Outdoor unit length	600	600	600	600	600	mm
Outdoor unit weight	162	162	162	215	215	kg
Energy efficiency ηs at W35	189	183	176	197	195	%
Energy efficiency ηs at W55	143	141	140	152	147	%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7	kW
Coefficient of performance (COP) at A2	4	4	3.7	4.5	4	
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3	kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12	
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1	

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 252-A

Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-M-E-AC-AF 251.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer
- DHW heating

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

SG Ready

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Control of an instantaneous heating water heater
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

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Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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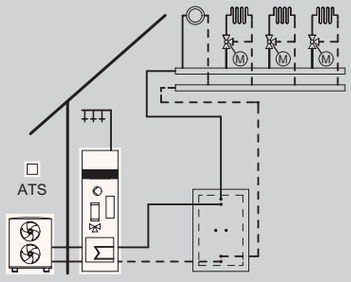
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	 4.8 5.6	 5.6 6.5	 7.3 9.7	 8.1 11.1		MG WT
AWOT-M-E-AC-AF 251.A04 230	Z026416 **13.050,–** A++ A	–	–	–	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A06 230	–	Z026417 **13.392,–** A++ A	–	–	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A08 230	–	–	Z026418 **13.733,–** A++ A	–	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A10 230	–	–	–	Z022218 **15.451,–** A++ A+	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A13 230	–	–	–	–	Z022219 **15.988,–** A++ A		Part no. **Euro**

Specification							
Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70	70	70	70		°C
Sound power level	49	49	49	54	54		dB(A)
Cylinder capacity	190	190	190	190	190		l
Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
Max. cooling capacity	4.0	5.5	6.0	12.9	14.1		kW
Indoor unit width	600	600	600	600	600		mm
Indoor unit height	1900	1900	1900	1900	1900		mm
Indoor unit length	597	597	597	597	597		mm
Indoor unit weight	170	170	170	170	170		kg
Outdoor unit width	1144	1144	1144	1144	1144		mm
Outdoor unit height	841	841	841	1382	1382		mm
Outdoor unit length	600	600	600	600	600		mm
Outdoor unit weight	162	162	162	215	215		kg
Energy efficiency ηs at W35	189	183	176	197	195		%
Energy efficiency ηs at W55	143	141	140	152	147		%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7		kW
Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 252-A

Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-E-AC 251.A/AWOT-E-AC-AF 251.A
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer ■ DHW heating	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

ViCare ViGuide

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-E-AC 251.A/AWOT-E-AC-AF 251.A
Heating and cooling

	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1		MG WT
	AWOT-E-AC 251.A10 **400**	Z022216 **15.481,–** A+++ A	**–**		Part no. **Euro**
	AWOT-E-AC-AF 251.A10 **400**	Z022220 **15.625,–** A+++ A	**–**		Part no. **Euro**
	AWOT-E-AC 251.A13 **400**	**–**	Z022217 **15.970,–** A++ A		Part no. **Euro**
	AWOT-E-AC-AF 251.A13 **400**	**–**	Z022221 **16.167,–** A++ A		Part no. **Euro**

Specification				
Coefficient of performance (COP) at A7	5.3	5.2		
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70		°C
Sound power level	54	54		dB(A)
Cylinder capacity	190	190		l
Cooling capacity	6.5	8.2		kW
Energy efficiency ratio (EER)	5.3	4.9		
Max. cooling capacity	13.0	15.1		kW
Indoor unit width	600	600		mm
Indoor unit height	1900	1900		mm
Indoor unit length	597	597		mm
Indoor unit weight	170	170		kg
Outdoor unit width	1144	1144		mm
Outdoor unit height	1382	1382		mm
Outdoor unit length	600	600		mm
Outdoor unit weight	221	221		kg
Energy efficiency ηs at W35	197	195		%
Energy efficiency ηs at W55	152	154		%
Rated heating output A2/W35	5.8	6.7		kW
Coefficient of performance (COP) at A2	4.5	4		
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	5,0	5,1		

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- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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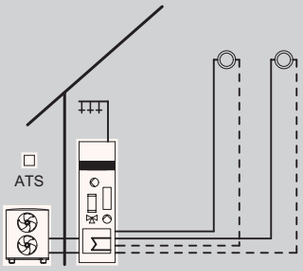
VITOCAL 252-A

Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-M-E-AC 251.A 2C
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer ■ DHW heating	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide For optimised self-consumption, additional accessories are required: See Accessories.

ViCare ViGuide

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Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 18 l diaphragm expansion vessel
- Integral 2nd heating/cooling circuit

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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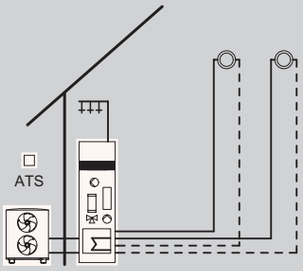
	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	4.8 5.6	5.6 6.5	7.3 9.7	8.1 11.1		MG WT
	AWOT-M-E-AC 251.A04 2C 230	Z026410 **13.743,–** A++ A	–	–	–	–		Part no. **Euro**
	AWOT-M-E-AC 251.A06 2C 230	–	Z026411 **14.050,–** A++ A	–	–	–		Part no. **Euro**
	AWOT-M-E-AC 251.A08 2C 230	–	–	Z026412 **14.357,–** A++ A	–	–		Part no. **Euro**
	AWOT-M-E-AC 251.A10 2C 230	–	–	–	Z023058 **16.781,–** A++ A+	–		Part no. **Euro**
	AWOT-M-E-AC 251.A13 2C 230	–	–	–	–	Z023059 **17.266,–** A++ A		Part no. **Euro**
	Specification							
	Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
	Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
	Flow temperature	70	70	70	70	70		°C
	Sound power level	49	49	49	54	55		dB(A)
	Cylinder capacity	190	190	190	190	190		l
	Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
	Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
	Max. cooling capacity	4.0	5.5	6.0	13.2	14.1		kW
	Indoor unit width	600	600	600	600	600		mm
	Indoor unit height	1900	1900	1900	1900	1900		mm
	Indoor unit length	597	597	597	597	597		mm
	Indoor unit weight	170	170	170	172	172		kg
	Outdoor unit width	1144	1144	1144	1144	1144		mm
	Outdoor unit height	841	841	841	1382	1382		mm
	Outdoor unit length	600	600	600	600	600		mm
	Outdoor unit weight	162	162	162	215	215		kg
	Energy efficiency ηs at W35	189	183	176	197	181		%
	Energy efficiency ηs at W55	143	141	140	152	147		%
	Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7		kW
	Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
	Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW
	Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12		
	COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 252-A

Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-M-E-AC-AF 251.A 2C
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer ■ DHW heating	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide For optimised self-consumption, additional accessories are required: See Accessories.

ViCare ViGuide

6.16

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 18 l diaphragm expansion vessel
- Integral 2nd heating/cooling circuit

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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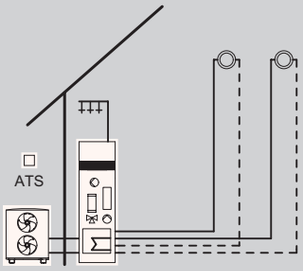
Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	 4.8 5.6	 5.6 6.5	 7.3 9.7	 8.1 11.1		MG WT
AWOT-M-E-AC-AF 251.A04 2C 230	Z026422 **14.520,–** A++ A	–	–	–	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A06 2C 230	–	Z026423 **14.862,–** A++ A	–	–	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A08 2C 230	–	–	Z026424 **15.203,–** A++ A	–	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A10 2C 230	–	–	–	Z023062 **16.921,–** A++ A+	–		Part no. **Euro**
AWOT-M-E-AC-AF 251.A13 2C 230	–	–	–	–	Z023063 **17.458,–** A++ A		Part no. **Euro**
Specification							
Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70	70	70	70		°C
Sound power level	49	49	49	54	55		dB(A)
Cylinder capacity	190	190	190	190	190		l
Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
Max. cooling capacity	4.0	5.5	6.0	13.2	14.1		kW
Indoor unit width	600	600	600	600	600		mm
Indoor unit height	1900	1900	1900	1900	1900		mm
Indoor unit length	597	597	597	597	597		mm
Indoor unit weight	170	170	170	172	172		kg
Outdoor unit width	1144	1144	1144	1144	1144		mm
Outdoor unit height	841	841	841	1382	1382		mm
Outdoor unit length	600	600	600	600	600		mm
Outdoor unit weight	162	162	162	215	215		kg
Energy efficiency ηs at W35	189	183	176	197	181		%
Energy efficiency ηs at W55	143	141	140	152	147		%
Rated heating output A2/W35	2.5	3.1	4.0	5.8	6.7		kW
Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	4	5	6	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	4,6	4,7	4,8	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

VITOCAL 252-A

Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-E-AC 251.A 2C/AWOT-E-AC-AF 251.A 2C
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 1 heating/cooling circuit with mixer or ■ 2 heating/cooling circuits without mixer ■ DHW heating	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Control of an instantaneous heating water heater ■ Active cooling control function for 1 heating/cooling circuit without mixer ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide For optimised self-consumption, additional accessories are required: See Accessories.

ViCare ViGuide

SG Ready

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery

Compact heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral steel DHW cylinder with Ceraprotect enamel coating, protected from corrosion by a protective magnesium anode, with thermal insulation
- Weather-compensated heat pump control unit with outside temperature sensor
- Integral high efficiency circulation pump for the secondary circuit
- Integral instantaneous heating water heater
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Flow sensor
- 18 l diaphragm expansion vessel
- Integral 2nd heating/cooling circuit

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

Notes:
A hydraulic connection set **must** also be ordered to install the appliances; see "Accessories".

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Compact heat pump, monoblock version
Vitocal 252-A, type AWOT-E-AC 251.A 2C/AWOT-E-AC-AF 251.A 2C
Heating and cooling

	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1		MG WT
	AWOT-E-AC 251.A10 2C **400**	Z023060 **16.951,–** A+++ A	**–**		Part no. **Euro**
	AWOT-E-AC-AF 251.A10 2C **400**	Z023064 **17.095,–** A+++ A	**–**		Part no. **Euro**
	AWOT-E-AC 251.A13 2C **400**	**–**	Z023061 **17.440,–** A++ A		Part no. **Euro**
	AWOT-E-AC-AF 251.A13 2C **400**	**–**	Z023065 **17.637,–** A++ A		Part no. **Euro**

Specification				
Coefficient of performance (COP) at A7	5.3	5.2		
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70		°C
Sound power level	54	54		dB(A)
Cylinder capacity	190	190		l
Cooling capacity	6.5	8.2		kW
Energy efficiency ratio (EER)	5.3	4.9		
Max. cooling capacity	13.0	15.1		kW
Indoor unit width	600	600		mm
Indoor unit height	1900	1900		mm
Indoor unit length	597	597		mm
Indoor unit weight	172	172		kg
Outdoor unit width	1144	1144		mm
Outdoor unit height	1382	1382		mm
Outdoor unit length	600	600		mm
Outdoor unit weight	221	221		kg
Energy efficiency ηs at W35	197	195		%
Energy efficiency ηs at W55	152	154		%
Rated heating output A2/W35	5.8	6.7		kW
Coefficient of performance (COP) at A2	4.5	4		
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3		kW
Nominal heat output, medium temperature use medium climate conditions (Prated kW)	10	12		
COPd + 7 °C by medium temperature use,medium climate conditions	5,0	5,1		

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

Mobile applications and energy management systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see Register 1 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

►For more information on system requirements and ViGuide registration and usage, see Register 1 and **www.viguide.info**

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Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.

Energy management systems

Viessmann energy management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. It enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

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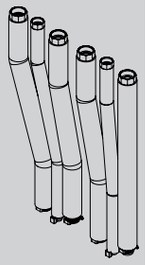
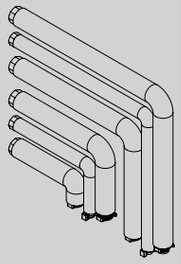
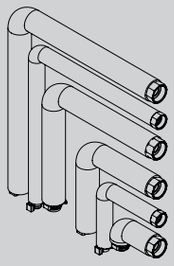
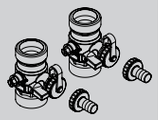
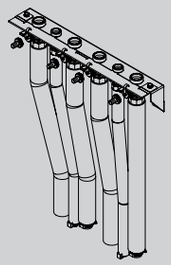
Accessories

Accessories		MG WX
Notes: ■ A hydraulic connection set must also be ordered to install the appliances. ■ Where "to the left/to the right" is specified, this is when viewed from the front.		
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, upward connection ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06058 **225,–**	Part no. **Euro**
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, connection to the left ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06059 **225,–**	Part no. **Euro**
Hydraulic connection set for 1 heating/cooling circuit, surface mounting, connection to the right ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 	ZK06060 **225,–**	Part no. **Euro**
Ball valve set For flushing and venting. Must also be ordered if a pre-plumbing jig is not used. ■ Valves/fittings for flow and return to the outdoor unit 	ZK06057 **71,–**	Part no. **Euro**
Locking ring fittings for ball valve set As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm	7973236 **77,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 450 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting*	7973232 **101,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, upward connection ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06061 **363,–**	Part no. **Euro**

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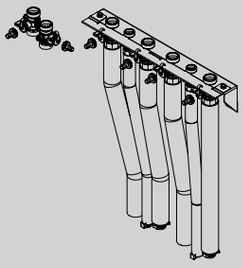
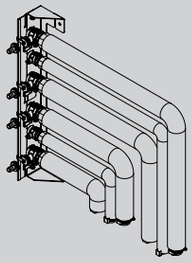
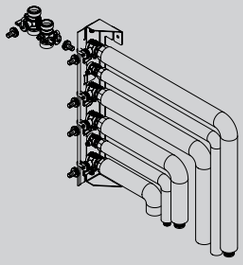
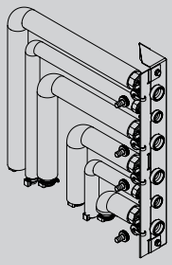
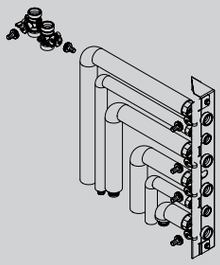
Accessories		
Accessories		MG WX
Pre-plumbing jig for compact appliance, 2 heating/cooling circuits, surface mounting, upward connection ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ Ball valve set *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06225 **434,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, connection to the left ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06062 **363,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 2 heating/cooling circuits, surface mounting, connection to the left ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ Ball valve set *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06226 **434,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 1 heating/cooling circuit, surface mounting, connection to the right ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06063 **363,–**	Part no. **Euro**
Pre-plumbing jig for compact appliance, 2 heating/cooling circuits, surface mounting, connection to the right ■ Fitting assembly ■ Thermally insulated heating water flow and heating water return line G 1¼ ■ Thermally insulated cold water and DHW line G 1 ■ Shut-off valves for heating water flow and return with BDF valve ■ Shut-off valves for DHW ■ Ball valve set *For cooling mode, the shut-off valves must be insulated on site.* 	ZK06227 **434,–**	Part no. **Euro**

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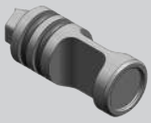
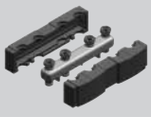
Accessories

Accessories		MG WX
DHW circulation connection set ■ High efficiency circulation pump ■ Pipe assembly with thermal insulation	ZK06064 **388,–**	Part no. **Euro**
Connection set for DHW circulation (for on-site circulation pumps) ■ Pipe assembly with thermal insulation	ZK06228 **91,–**	Part no. **Euro**
Filters and magnetite separators		MG VC
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1 *Installed between indoor and outdoor unit – mandatory for heating system modernisation projects, recommended for new builds.*	7266384 **294,–**	Part no. **Euro**

Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Notes:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	ZK06214 **269,–**		**–**	Part no. **Euro** MG WX

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Divicon heating/cooling circuit distributor for heating and cooling mode

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

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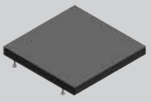
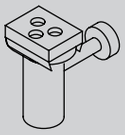
DHW heating accessories

Accessories

			MG W
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied		Z004247 **525,–**	Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**	Part no. **Euro**

Miscellaneous

Platform for unfinished floors For siting the appliance on unfinished floors. ■ Height-adjustable, for screed heights of 10 to 18 cm ■ Incl. thermal insulation		7417925 **474,–**	Part no. **Euro** MG WX
Drain outlet kit Drain outlet with trap and bezel DN 40.		7176014 **35,–**	Part no. **Euro** MG W

Cooling accessories

Cooling

MG WX

Contact humidistat 24 V
■ For capturing the dew point
■ To prevent condensation
Recommended for applications with just one direct heating/cooling circuit without buffer cylinder.

7181418
570,–

Part no.
Euro

Contact humidistat 230 V
■ For capturing the dew point
■ To prevent condensation
Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.

7452646
523,–

Part no.
Euro

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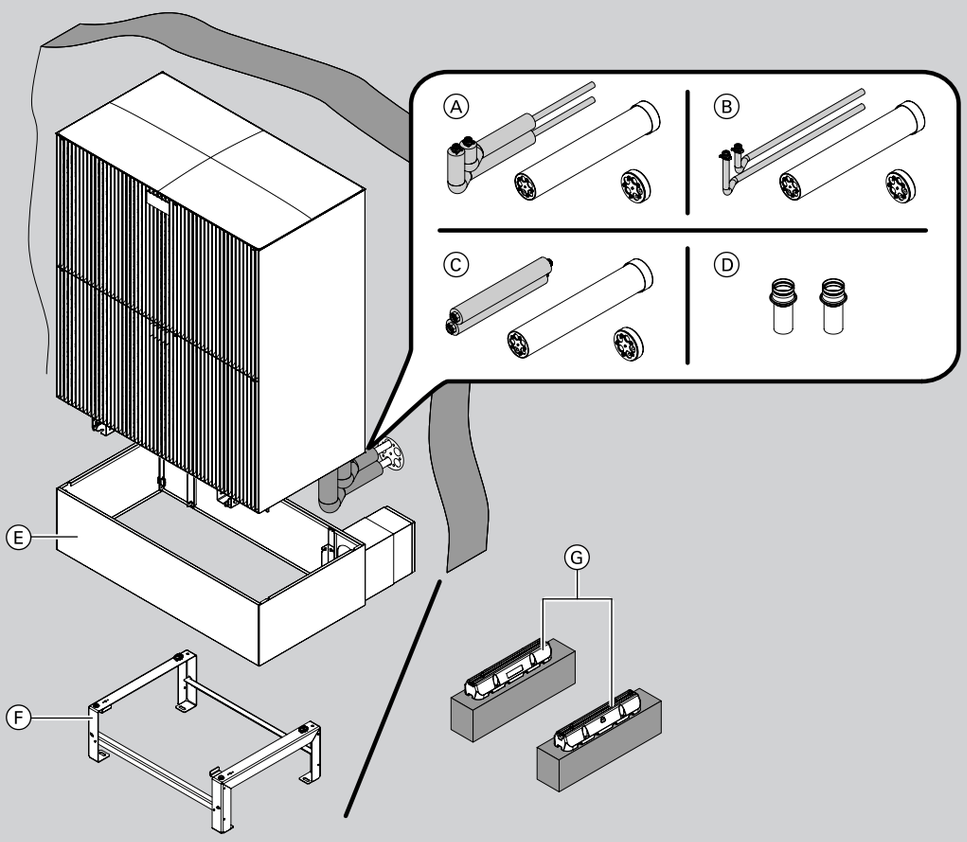
Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level



Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06018 **1.171,–**	Part no. **Euro**
Ⓑ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06428 **777,–**	Part no. **Euro**

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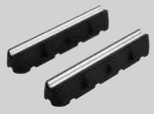
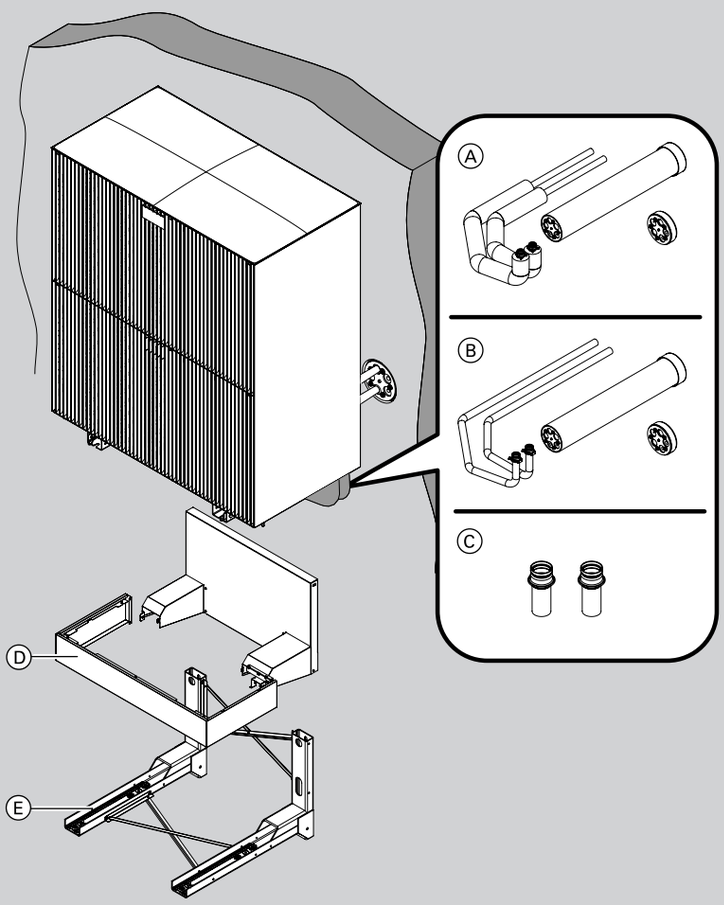
Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level

Heating circuit		MG WX
Ⓒ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is above ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06019 **839,–**	Part no. **Euro**
Ⓓ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

Brackets for outdoor unit			MG WX
Ⓔ **Design casing for floor bracket incl. wall connection** ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 298 mm, width 1144 mm, length (variable) 791 to 935 mm		ZK06015 **577,–**	Part no. **Euro**
Ⓕ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓖ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm *If using with connection sets, please observe the technical guide for the required base height.*		ZK06012 **77,–**	Part no. **Euro**

Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet



Heating circuit		MG WX
Ⓐ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06021 **1.145,–**	Part no. **Euro**
Ⓑ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06429 **807,–**	Part no. **Euro**
Ⓒ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

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Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet

Brackets for outdoor unit		MG WX
Ⓓ **Design casing for wall mounting bracket** ■ For covering the hydraulic pipework when wall mounted ■ Colour: Vitographite	ZK06017 **395,–**	Part no. **Euro**
Ⓔ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: Height 560 mm, width 815 mm, length 838 mm	ZK06016 **566,–**	Part no. **Euro**

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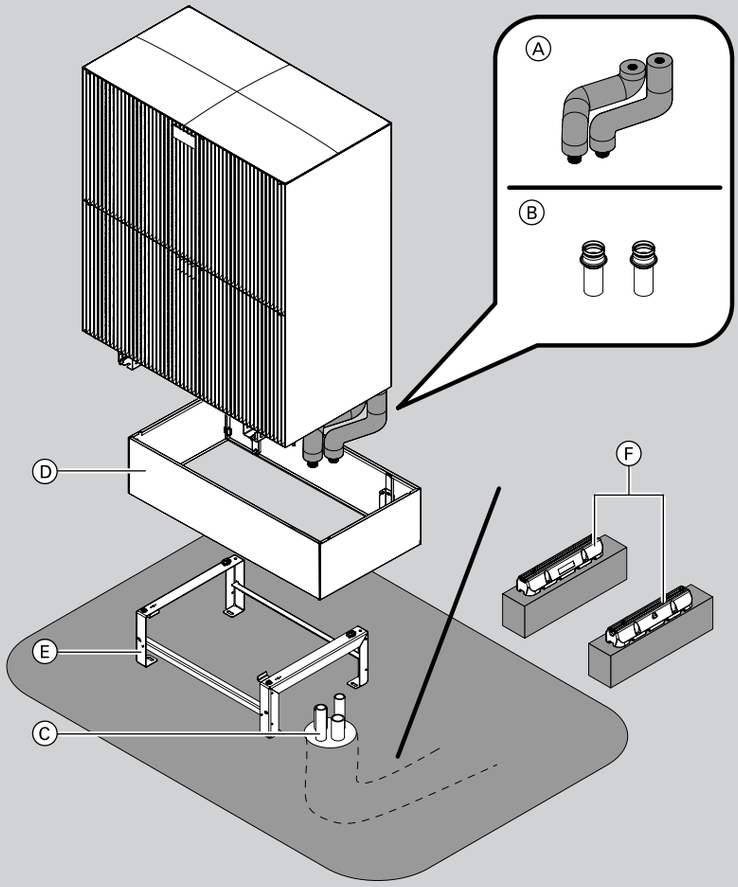
Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level



Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is below ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm	ZK06020 **275,–**	Part no. **Euro**
Ⓑ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm *The basic connection set cannot be connected directly to the underground Quattro connection line.*	7973227 **31,–**	Part no. **Euro**
Ⓒ **Underground Quattro connection line** For hydraulic connection of outdoor heat pumps to the heating system, flexible routing underground. ■ Flow and return line 2 x PB 40 x 3.7, DN 32 to R 1¼ adaptors (male thread) ■ 2 empty conduits for power supply and communications cable between outdoor and indoor unit ■ Everything in one pipe		
Underground Quattro connection line Horizontal line length 5 m	7984138 **1.499,–**	Part no. **Euro**

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Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level

Heating circuit		MG WX
Underground Quattro connection line Horizontal line length 10 m	7984139 **1.744,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 15 m	7984140 **2.370,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 20 m	7984141 **2.938,–**	Part no. **Euro**
Ring seal for underground Quattro connection line Provides a seal against infiltrating water when installing underground using the Quattro DN 32 hydraulic connection set	7984142 **904,–**	Part no. **Euro**

Notes:
A connection set must also be ordered.
►*Observe the notes in the technical guides on line lengths for the hydraulic connection sets.*

Brackets for outdoor unit			MG WX
Ⓓ **Design casing for floor bracket** ■ For positioning on level ground ■ Colour: Vitographite		ZK06014 **483,–**	Part no. **Euro**
Ⓔ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓕ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm		ZK06012 **77,–**	Part no. **Euro**

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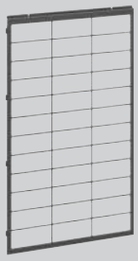
Accessories		
Miscellaneous		MG WX
Electric ribbon heater for condensate pan As frost protection for the outdoor unit condensate pan. Only for free flowing condensate. ■ Length of ribbon heater 1.6 m ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK06022 **269,–**	Part no. **Euro**
Electric ribbon heater for condensate drain Supplements the electric ribbon heater for the condensate pan if the condensate is to be drained centrally via a hose. ■ Length of ribbon heater 2.8 m ■ Drain hose Ø 33.4 x 4 mm, length 1.25 m ■ Condensate drain elbow	7973114 **181,–**	Part no. **Euro**
Fan ring heater To protect the fan from freezing For climatic regions with longer frost periods *For types A4 to A8*	ZK06023 **270,–**	Part no. **Euro**
Fan ring heater To protect the fan from freezing For climatic regions with longer frost periods *For types A10 to A13*	ZK07157 **540,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Design casing for grille (1 fan) To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 758 mm, width 752 mm, depth 29 mm *Cannot be installed in conjunction with design covers for evaporator.* *For types A4 to A8*	7968703 **315,–**	Part no. **Euro**
Design casing for grille (2 fan) To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 1299 mm, width 752 mm, depth 29 mm *Cannot be installed in conjunction with design covers for evaporator.* *For types A10 to A13* 	ZK06025 **350,–**	Part no. **Euro**
Design covers for evaporator Design covers to conceal the EPP parts around the evaporator. Colour: Vitographite *Cannot be installed in conjunction with design casing for grille.*	ZK06215 **54,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1 l spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

Accessories		
Photovoltaics		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

6.16

Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973122 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973123 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973124 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Notes:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

6.16

Remote control units		MG W
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: Support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must also be ordered.* ■ *No more than one Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** **MG Y**

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Accessories		
Wireless accessories		MG Y
Individual room control with ViCare thermostatic radiator valves and floor thermostat Connected directly to the Viessmann One Base heat pump for individual room control via the ViCare app ■ Adjustable time programs for each room control the room temperatures based on demand ■ Can be used for heating and cooling requirements ■ Dynamic hydronic balancing: TÜV-certified solution for radiators and underfloor heating. Automatic calculation and continuous dynamic adjustment of settings		
ViCare thermostatic radiator valve (low power radio) Battery operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: White. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*		ZK03840 **88,–**	Part no. **Euro**
ViCare floor thermostat (low power radio) Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect. ■ Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators) ■ The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control. ■ An integral frost protection function prevents damage to the fabric of the building. ■ An anti-limescale function prevents the actuator valves from seizing up. ■ Compatible with N/O and N/C thermal actuators. ■ The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value. Standard delivery: ■ ViCare floor thermostat ■ External aerial with connecting cable, 1.3 m long ■ Contact temperature sensor with connecting lead, 1.8 m long and hose clip ■ Connecting cable, 1.2 m long, with plug ■ Tool for operating the pairing button ■ Installation material for wall mounting *Up to 4 ViCare floor thermostats can be supported simultaneously.*		ZK03838 **306,–**	Part no. **Euro**

6.16

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Accessories

Wireless accessories

MG Y

ViCare climate sensor – temperature and humidity sensor
(low power radio)
Battery operated temperature and humidity sensor for monitoring the room climate.
The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect.
- The ViCare climate sensor captures the temperature and the relative humidity in the room.
- In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control.

Standard delivery:
- ViCare climate sensor
- Battery, button cell CR2450, 600 mAh
- Installation material for wall mounting

A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.

ZK03839
54,–

Part no.
Euro

Sensors

MG W

Immersion temperature sensor (NTC 10 kOhm)
- To capture the temperature in a sensor well
- With connecting lead (5.8 m long) and plug

As a cylinder temperature sensor for heating water buffer cylinders.

7438702
110,–

Part no.
Euro

Heating circuit control unit extension

MG W

Contact temperature limiter
Temperature limiter to restrict the maximum temperature of underfloor heating systems
- With connecting lead (1.5 m long)

Only in conjunction with a directly connected heating circuit without mixer.

ZK04647
131,–

Part no.
Euro

Immersion temperature limiter
Temperature limiter to restrict the maximum temperature of underfloor heating systems
- With connecting lead (4.2 m long) and plug
- With stainless steel sensor well R ½ x 200 mm

In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.

7151728
214,–

Part no.
Euro

Contact temperature limiter
Temperature limiter to restrict the maximum temperature of underfloor heating systems
- With connecting lead (4.2 m long) and plug
- Temperature limit adjustable from 30 to 80 °C

In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.

7151729
164,–

Part no.
Euro

EM-MX mixer extension kit (mixer mounting)
(PlusBus subscriber)
For one heating circuit with mixer, fully wired.
- Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers)
- Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug
- Plug for heating circuit pump
- Power cable and PlusBus cable with plug

Only suitable for heating mode.

Z017409
572,–

Part no.
Euro

6.16

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Accessories		
Heating circuit control unit extension		MG W
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z025981 **373,–**	Part no. **Euro**

Notes:
Mixer extension kit cannot be used for indoor units with 2 integral heating/cooling circuits (types ...2C).

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Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on top-hat rails. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for linking up to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/TCP communication standards. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/RTU communication standards. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, visit www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

VITOCAL 250-AH

Air source heat pumps for hybrid operation
Monoblock version
2.1 - 13.4 kW A7/W35
1.8 - 12.3 kW A2/W35

6.17

Vitocal 250-AH

Up to 70 °C flow temperature

Type HAWO-AC-(AF) 252.A/HAWO-M-AC-(AF) 252.A
Heat pump with electric drive in monoblock version with outdoor and indoor unit
- For room heating/cooling and DHW heating
- Monoblock indoor unit with heat pump control unit, high efficiency circulation pump for the secondary circuit, 4/3-way valve, safety assembly
- Integral buffer cylinder and overflow valve

Versions:
- AF: With integral electric ribbon heater in the condensate pan

Permissible operating pressure: Heating water 3 bar (0.3 MPa)

Colour of indoor unit: Vitopearlwhite
Colour of outdoor unit: Vitographite

- Low running costs thanks to high COP (coefficient of performance) to EN 14511: Up to 5.3 at A7/W35
- Output control and DC inverter for high efficiency in partial load operation
- Heat pump module achieves maximum flow temperatures of up to 70 °C at an outside temperature of -10 °C, enabling use in both new build and modernisation projects.
- Self-optimising control of the flow rate via Viessmann Hydro AutoControl
- Hybrid Pro Control for optimum control of the heat pump and one additional boiler
- Environmentally responsible, natural refrigerant R290 with a particularly low GWP (Global Warming Potential) of 0
- Convenient reversible design for heating and cooling
- Especially quiet operation thanks to Advanced Acoustic Design+ (AAD+)
- Web-enabled through integral WiFi or service link
- Operation, optimisation, maintenance and service via ViCare app and ViGuide
- Guided commissioning via ViGuide
- Individual room control with components from ViCare Smart Climate

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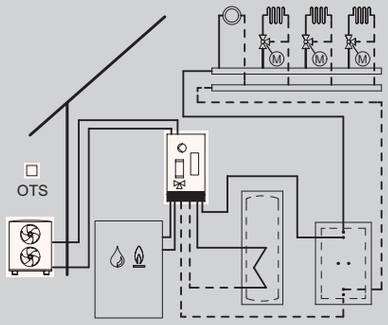
VITOCAL 250-AH

Air source heat pumps, monoblock version
Vitocal 250-AH, type HAWO-M-AC 252.A
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Integral control of the external heat generator via 0 to 10 V and potential-free contact ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral hybrid hydraulics and interfaces for controlling the external heat generator
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit

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	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	 4.8 5.6	 5.6 6.5	 7.3 9.7	 8.1 11.1		MG WT
	HAWO-M-AC 252.A04 **230**	Z023936 **10.763,–** A++	–	–	–	–		Part no. **Euro** Energy
	HAWO-M-AC 252.A06 **230**	–	Z023937 **11.070,–** A++	–	–	–		Part no. **Euro** Energy
	HAWO-M-AC 252.A08 **230**	–	–	Z023938 **11.377,–** A++	–	–		Part no. **Euro** Energy
	HAWO-M-AC 252.A10 **230**	–	–	–	Z023939 **13.801,–** A+++	–		Part no. **Euro** Energy
	HAWO-M-AC 252.A13 **230**	–	–	–	–	Z023940 **14.286,–** A++		Part no. **Euro** Energy

Specification							
Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70	70	70	70		°C
Sound power level	49	49	49	54	54		dB(A)
Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
Max. cooling capacity	4.0	5.5	6.0	12.9	14.1		kW
Indoor unit width	600	600	600	600	600		mm
Indoor unit height	920	920	920	920	920		mm
Indoor unit length	360	360	360	360	360		mm
Indoor unit weight	57	57	57	57	57		kg
Outdoor unit width	1144	1144	1144	1144	1144		mm
Outdoor unit height	841	841	841	1382	1382		mm
Outdoor unit length	600	600	600	600	600		mm
Outdoor unit weight	162	162	162	215	215		kg
Energy efficiency ηs at W35	189	183	176	197	195		%
Energy efficiency ηs at W55	143	141	140	152	147		%
Rated heating output A2/W35	2.5	3.1	4.0	8.0	6.7		kW
Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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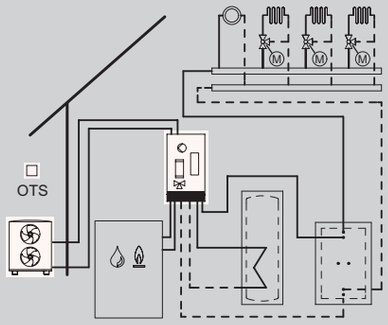
VITOCAL 250-AH

Air source heat pumps, monoblock version
Vitocal 250-AH, type HAWO-M-AC-AF 252.A
Heating and cooling

Heating system	Control unit
 ■ 1 heating/cooling circuit without mixer ■ 3 heating/cooling circuits with mixer	**Heat pump control unit for weather-compensated mode** ■ 7-inch colour touchscreen with energy cockpit ■ WiFi hotspot for local service without internet connection ■ Internet connection via WiFi ■ Control of a DHW circulation pump ■ Integral control of the external heat generator via 0 to 10 V and potential-free contact ■ Active cooling control function ■ Integral energy statement ■ Setting of low-noise mode for the outdoor unit ■ Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system ■ Display of energy flows in the ViCare app and ViGuide Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended. Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral hybrid hydraulics and interfaces for controlling the external heat generator
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 4.0 3.8	 4.8 5.6	 5.6 6.5	 7.3 9.7	 8.1 11.1		MG WT
	HAWO-M-AC-AF 252.A04 **230**	Z023945 **11.540,–** A++	–	–	–	–		Part no. **Euro** Energy
	HAWO-M-AC-AF 252.A06 **230**	–	Z023946 **11.882,–** A++	–	–	–		Part no. **Euro** Energy
	HAWO-M-AC-AF 252.A08 **230**	–	–	Z023947 **12.223,–** A++	–	–		Part no. **Euro** Energy
	HAWO-M-AC-AF 252.A10 **230**	–	–	–	Z023948 **13.941,–** A+++	–		Part no. **Euro** Energy
	HAWO-M-AC-AF 252.A13 **230**	–	–	–	–	Z023949 **14.478,–** A++		Part no. **Euro** Energy
	Specification							
	Coefficient of performance (COP) at A7	5.1	5.1	4.9	5.3	5.2		
	Min./max. output range A7	2.1 - 4.0	2.1 - 6.0	2.1 - 8.0	2.6 - 12.0	3.0 - 13.4		kW
	Flow temperature	70	70	70	70	70		°C
	Sound power level	49	49	49	54	54		dB(A)
	Cooling capacity	4.0	5.0	6.0	6.3	7.9		kW
	Energy efficiency ratio (EER)	4.7	4.4	4.1	5.3	4.8		
	Max. cooling capacity	4.0	5.5	6.0	12.9	14.1		kW
	Indoor unit width	600	600	600	600	600		mm
	Indoor unit height	920	920	920	920	920		mm
	Indoor unit length	360	360	360	370	360		mm
	Indoor unit weight	57	57	57	57	57		kg
	Outdoor unit width	1144	1144	1144	1144	1144		mm
	Outdoor unit height	841	841	841	1382	1382		mm
	Outdoor unit length	600	600	600	600	600		mm
	Outdoor unit weight	162	162	162	215	215		kg
	Energy efficiency ηs at W35	189	183	176	197	195		%
	Energy efficiency ηs at W55	143	141	140	152	147		%
	Rated heating output A2/W35	2.5	3.1	4.0	8.0	6.7		kW
	Coefficient of performance (COP) at A2	4	4	3.7	4.5	4		
	Min./max. output range A2	1.8 - 4.5	1.8 - 6.0	1.8 - 6.8	2.2 - 11.0	2.6 - 12.3		kW

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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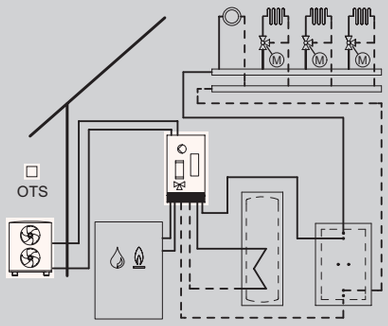
VITOCAL 250-AH

Air source heat pumps for hybrid operation, monoblock version
Vitocal 250-AH, type HAWO-AC 252.A/HAWO-AC-AF 252.A
Heating and cooling

Heating system



- 1 heating/cooling circuit without mixer
- 3 heating/cooling circuits with mixer

Control unit

ViCare ViGuide

Heat pump control unit
for weather-compensated mode

SG Ready

- 7-inch colour touchscreen with energy cockpit
- WiFi hotspot for local service without internet connection
- Internet connection via WiFi
- Control of a DHW circulation pump
- Integral control of the external heat generator via 0 to 10 V and potential-free contact
- Active cooling control function
- Integral energy statement
- Setting of low-noise mode for the outdoor unit
- Optimised energy management, e.g. in conjunction with photovoltaic system, power storage system
- Display of energy flows in the ViCare app and ViGuide

Extensions/accessories are required for the heating/cooling circuits with mixer and optimisation of self-consumption: See Accessories.

Notes:
The heat pumps must be commissioned by a heating contractor for heat pumps trained by Viessmann.

The heat pumps in this price sheet have the new Viessmann One Base electronic platform, through which it is possible to upgrade products even on previously installed systems at any time. Such upgrades can both extend the control functions available and improve the efficiency of the system.
Product upgrades are made available over the course of the year so that the range of functions described can be continuously extended.
Connect the heat pumps to the WiFi and perform software updates via ViGuide.

Standard delivery:

Complete heat pump in monoblock version, comprising an indoor and outdoor unit

Indoor unit
- Integral 4/3-way valve for central heating/DHW heating/bypass
- Integral high efficiency circulation pump for the secondary circuit
- Integral hybrid hydraulics and interfaces for controlling the external heat generator
- Built-in 16 l buffer cylinder
- Built-in safety valve and digital pressure gauge
- Weather-compensated heat pump control unit with outside temperature sensor
- Flow sensor
- Wall mounting bracket, standard connection pipes
- 18 l diaphragm expansion vessel

Outdoor unit
- Inverter-controlled compressor, 4-way diverter valve, electronic expansion valve, evaporator, condenser, EC fan
- Factory-filled with refrigerant R290
- Heating water filter upstream of condenser
- Transport aid for outdoor unit
- AF version: With integral electric ribbon heater for the condensate pan

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Air source heat pumps for hybrid operation, monoblock version
Vitocal 250-AH, type HAWO-AC 252.A/HAWO-AC-AF 252.A
Heating and cooling

	Type Volt	Rated heating output (kW) at operating point A7/W35 or A-7/W35 (to EN 14511) 7.3 9.7	 8.1 11.1		MG WT
	HAWO-AC 252.A10 **400**	Z023942 **13.971,–** A+++	**–**		Part no. **Euro** Energy
	HAWO-AC-AF 252.A10 **400**	Z023951 **14.115,–** A+++	**–**		Part no. **Euro** Energy
	HAWO-AC 252.A13 **400**	**–**	Z023943 **14.460,–** A++		Part no. **Euro** Energy
	HAWO-AC-AF 252.A13 **400**	**–**	Z023952 **14.657,–** A++		Part no. **Euro** Energy

Specification				
Coefficient of performance (COP) at A7	5.3	5.2		
Min./max. output range A7	2.6 - 12.0	3.0 - 13.4		kW
Flow temperature	70	70		°C
Sound power level	54	54		dB(A)
Cooling capacity	6.5	8.2		kW
Energy efficiency ratio (EER)	5.3	4.9		
Max. cooling capacity	13.0	15.1		kW
Indoor unit width	600	600		mm
Indoor unit height	920	920		mm
Indoor unit length	360	360		mm
Indoor unit weight	57	57		kg
Outdoor unit width	1144	1144		mm
Outdoor unit height	1382	1382		mm
Outdoor unit length	600	600		mm
Outdoor unit weight	221	221		kg
Energy efficiency ηs at W35	197	195		%
Energy efficiency ηs at W55	152	154		%
Rated heating output A2/W35	5.8	6.7		kW
Coefficient of performance (COP) at A2	4.5	4		
Min./max. output range A2	2.2 - 11.0	2.6 - 12.3		kW

- Coefficient of performance (COP) at operating point A7/W35 to EN 14511 at rated heating output
- Min./max. output range at operating point A7/W35
- Total sound power level measurement with reference to EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode (level 2)
- Cooling capacity and EER at operating point A35/W18 to EN 14511
- Energy efficiency ηs: Heating performance data in line with Commission Regulation (EU) No 813/2013 under average climatic conditions for low (W35) and medium (W55) temperature applications

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Mobile applications and energy management systems

Communication technology

ViCare app – mobile applications for system users
Mobile operation of the heating system for heating and DHW, power storage units and ventilation systems.
Assistance functions and fault display with option for direct connection to a contractor for service requests.

►For more information on system requirements and ViCare app registration and usage, see Register 1 and **www.vicare.info**

Tools for service, maintenance and commissioning

ViGuide – mobile applications for trade partners
Service and maintenance with ViGuide for optimising workflows in the Viessmann trade partner's business.
Ensures customer-friendly online service for the system user, provided they have enabled service via the ViCare app.
Straightforward and efficient commissioning of heat generators with integral communication module, power storage units and ventilation systems, performed by heating contractors using ViGuide.

►For more information on system requirements and ViGuide registration and usage, see Register 1 and **www.viguide.info**

Individual room control

ViCare individual room control
ViCare individual room control enables the temperature to be controlled at room level.

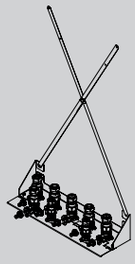
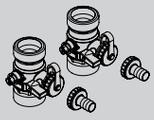
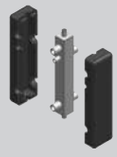
Energy management systems

Viessmann energy management
Viessmann energy management is already integrated into all Viessmann heat pumps with One Base and photovoltaic inverter/power storage systems. It enables balanced operation of those components in the building that generate, consume or store power.
Its focus is on self-consumption optimisation of self-generated power from photovoltaic systems. The energy management system provides extensive information on electricity flows and CO_2 reduction.

Energy Management

On request, customers can add further optimisation stages in the ViCare app.

►For further information on system requirements, functions and use see **link.viessmann.com/energymanagement**

Accessories		
Accessories		MG WX
Pre-plumbing jig for surface mounting For monoblock indoor units measuring 600 mm wide ■ Fixings ■ Valves/fittings *On-site insulation required for cooling mode* *We recommend using the ball valve set for cooling mode.* 	ZK06210 **485,–**	Part no. **Euro**
Locking ring fittings for pre-plumbing jig with width of 600 mm As connecting element from valve/fitting to copper pipe for the heating/cooling circuit ■ 6x G 1¼" to 28 x 1 mm ■ 2x G 1" to 22 x 1 mm *Suitable for pre-plumbing jig for surface mounting*	7973233 **133,–**	Part no. **Euro**
Ball valve set For flushing and venting. Must also be ordered if a pre-plumbing jig is not used. ■ Valves/fittings for flow and return to the outdoor unit 	ZK06057 **71,–**	Part no. **Euro**
Locking ring fittings for ball valve set As connecting element from valve/fitting to indoor unit and to copper pipe for the heating/cooling circuit ■ 4x G 1¼" to 28 x 1 mm	7973236 **77,–**	Part no. **Euro**
Valve/fittings cover, 600 mm For indoor units measuring 600 mm wide ■ Colour: Vitopearlwhite ■ Installed directly on the indoor unit	7973428 **84,–**	Part no. **Euro**
Filters and magnetite separators		MG VC
Heating filter with magnetite separation (backwashing) ■ Rotating connection flange for horizontal and vertical installation ■ Filter element made of stainless steel ■ Easy to backwash for cleaning the filter element and magnet ■ Replaceable filter element ■ Manual backwashing and maintenance display ■ Mesh size 100 µm ■ Permiss. operating pressure 10 bar ■ Permiss. operating temperature 110 °C ■ Connection size Rp 1 *Installed between indoor and outdoor unit – mandatory for heating system modernisation projects, recommended for new builds.* 	7266384 **294,–**	Part no. **Euro**
Low loss header		MG W
Low loss header, type Q70 ■ Heating water flow rate of up to 3 m³/h ■ R 1 female connector ■ Rp ½ sleeves for air vent valve, drain and sensor well for temperature sensor ■ With air vent valve and sensor well ■ With EPP insulation to EnEV 	ZK03679 **207,–**	Part no. **Euro**

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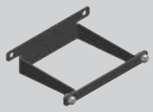
Accessories		
Low loss header		MG W
Wall mounting bracket for low loss header, type Q70 With fixing materials 	ZK03682 **54,–**	Part no. **Euro**

Notes:
For sizing the low loss header, please observe the technical guides.

Sensors		MG W
Immersion temperature sensor (for low loss header) To capture the low loss header temperature ■ With connecting lead and plug	ZK04032 **106,–**	Part no. **Euro**
Contact temperature sensor (NTC 10 kOhm) ■ To capture a temperature on a pipe ■ With connecting lead (5.8 m long) and plug	7426463 **110,–**	Part no. **Euro**

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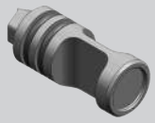
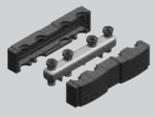
Divicon heating/cooling circuit distributor for heating and cooling mode

Heating/cooling circuit Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG WX
Divicon heating/cooling circuit distributor for heating/ cooling circuit A1				
Divicon heating/cooling circuit distributor without mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode				
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/6 circulation pump ■ Suitable for cooling mode	ZK06009 **770,–**	ZK06010 **779,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ Without mixer with 25/8 circulation pump ■ Suitable for cooling mode	**–**		ZK06011 **849,–**	Part no. **Euro**
Divicon heating/cooling circuit distributor with mixer (fully fitted) ■ Heating circuit pump (variable speed high efficiency circulation pump), fully wired ■ Check valve ■ 2 ball valves with thermometers ■ Thermal insulation, suitable for cooling mode ■ Mixer extension kit (PlusBus subscriber) including connecting cable (3.5 m long)				
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/6 circulation pump ■ Suitable for cooling mode	Z024426 **1.356,–**	Z024427 **1.363,–**	**–**	Part no. **Euro**
Fully fitted Divicon heating/cooling circuit distributor ■ With mixer-3 and mixer extension kit ■ With mixer PCB and mixer motor ■ With 25/8 circulation pump ■ Suitable for cooling mode	**–**		Z024428 **1.423,–**	Part no. **Euro**

Notes:
When sizing the Divicon heating/cooling circuit distributor, observe the technical guides.

Divicon accessories Connection to the heating/cooling circuit (nominal diameter)	DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Cable set (with plugs 40 and 74) To replace the connecting cable supplied in the standard delivery for linking the mixer PCBs, in the case of 2 or 3 heating circuits with mixer.	ZK04322 **16,–**			Part no. **Euro**
Wall mounting bracket for individual Divicons (connection between heat generator and Divicon on site)	7465894 **60,–**			Part no. **Euro**
Bypass valve For hydronic balancing of the heating circuit. 	7464889 **21,–**			Part no. **Euro**
Manifold for 2 Divicons ■ Incl. thermal insulation ■ Wall mounted (with wall mounting bracket to be ordered separately) 	ZK06214 **269,–**		**–**	Part no. **Euro**

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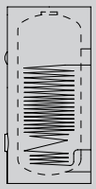
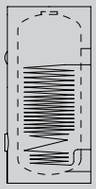
Divicon heating/cooling circuit distributor for heating and cooling mode

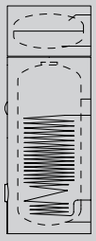
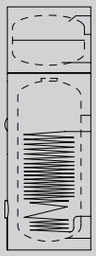
Divicon accessories Connection to the heating/cooling circuit (nominal diameter)		DN 20 - ¾"	DN 25 - 1"	DN 32 - 1¼"	MG W
Wall mounting bracket for manifold (connection between heat generator and manifold on site)		7465439 **60,–**			Part no. **Euro**

DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating water/coolant buffer cylinder

Vitocell 100-V

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 1 immersion heater can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation 	Z026454 **1.396,–** B	–		Part no. **Euro** Energy
Vitocell 100-V, type CVWC DHW cylinder ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be integrated ■ Includes impressed current anode ■ Integrated carrying handles for easy transportation 	–	Z026455 **1.855,–** B	Z026456 **2.185,–** B	Part no. **Euro** Energy

Vitocell Modular 100-VE

Cylinder capacity (litres)	200	250	300	MG WH
Vitocell Modular 100-VE with 50 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: Buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used as low loss header* 	Z026459 **1.931,–** B	Z026460 **2.390,–** B	Z026461 **2.720,–** B	Part no. **Euro** Energy
Vitocell Modular 100-VE with 75 l buffer cylinder Combination of Vitocell 100-V, type CVWC DHW cylinder and Vitocell 100-E, type MSCA buffer cylinder ■ Buffer cylinder for heating/cooling circuits ■ Space saving system: Buffer cylinder can be stacked on DHW cylinder ■ Cylinder connections can be rotated through 360° for positioning specific to application *Can be used in hybrid applications (2nd heat generator).* *The 2 additional connections on the buffer cylinder enable a low loss header to be dispensed with for heat generators with a minimum water circulation volume.* 	Z026462 **2.090,–** B	Z026463 **2.549,–** B	Z026464 **2.879,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Accessories

Cylinder capacity (litres)	200	250	300	MG W
Automatic air vent valve ■ For installation on one of the cylinder connections ■ With 1" tee		7984135 **90,–**		Part no. **Euro**
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector		7180662 **251,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders
- DHW cylinders combined with heating water/coolant buffer cylinder

Immersion heater Cylinder capacity (litres)	200	250	300	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell		**–**	Z012684 **617,–**	Part no. **Euro**
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell		Z021939 **825,–**		Part no. **Euro**

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DHW heating accessories
- DHW cylinders with larger cylinder volume

Vitocell 100-V Cylinder capacity (litres)	390	500	MG WH
Vitocell 100-V, type CVWB ■ Steel with Ceraprotect enamel coating ■ Colour: Vitopearlwhite ■ 2 immersion heaters can be installed.	Z026497 **3.851,–** B	Z026498 **4.574,–** B	Part no. **Euro** Energy

► *Select DHW cylinders in accordance with technical guides.*

Immersion heater Cylinder capacity (litres)	390	500	MG W
Immersion heater EHE Selectable heating output **2, 4 or 6 kW** Only for use with soft to medium hard drinking water up to 14 °dH (medium hardness level, up to 2.5 mol/m³) ■ High limit temperature cut-out device ■ Temperature controller For installation in the **upper** section of the Vitocell	Z012684 **617,–**		Part no. **Euro**
Immersion heater EHE Selectable heating output 2, 4 or 6 kW Only for use with soft to medium hard drinking water up to 14°dH (medium hardness level up to 2.5 mol/m³) For installation in the Vitocell ■ High limit temperature cut-out device ■ Temperature controller ■ Flange ■ Colour of flange cover: Vitopearlwhite ■ Gasket For installation in the **lower** section of the Vitocell	Z026669 **827,–**		Part no. **Euro**

Accessories Cylinder capacity (litres)	390	500	
Solar heat exchanger set For connecting solar collectors to the Vitocell 100-V/100-W ■ Circulation pump ■ Plate heat exchanger ■ Pipework and connection pieces for cylinder connection ■ Thermal insulation	7186663 **867,–**		Part no. **Euro** MG WO
Impressed current anode ■ Maintenance-free ■ In place of the protective magnesium anode supplied	Z004247 **525,–**		Part no. **Euro** MG W
Safety assembly to DIN 1988 (DN 20, R ¾) ■ Diaphragm safety valve 10 bar (1 MPa) ■ Shut-off valve ■ Non-return valve and test connector ■ Pressure gauge connector	7180662 **251,–**		Part no. **Euro** MG W

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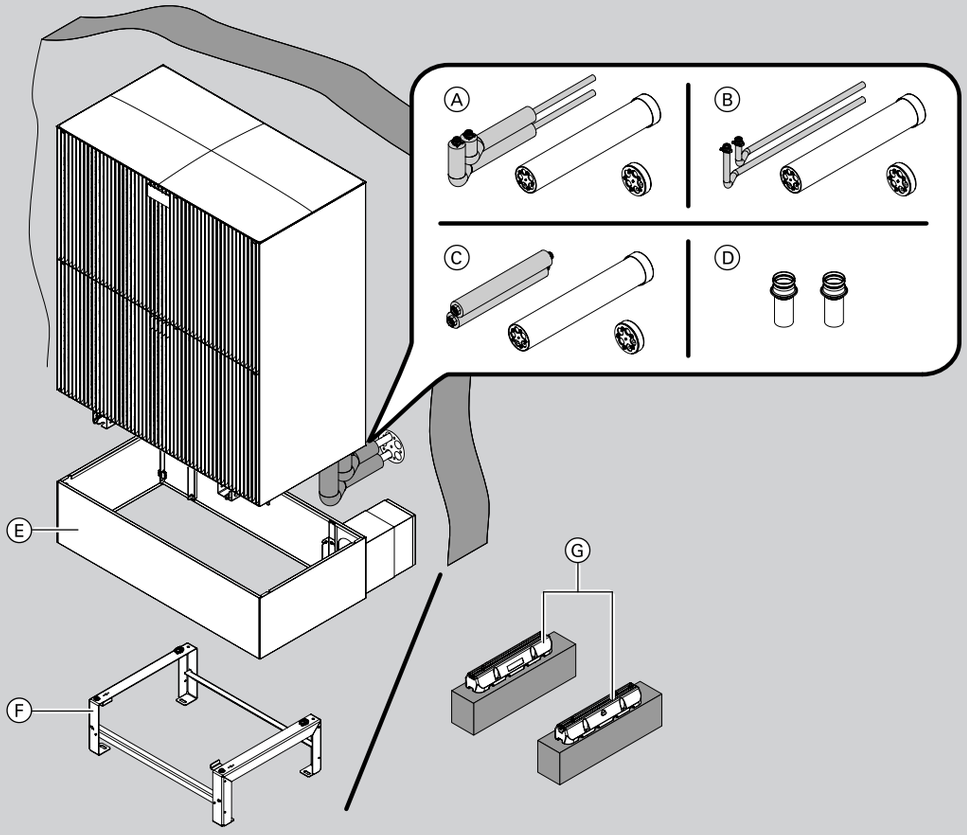
Cooling accessories		
Cooling		MG WX
Contact humidistat 24 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with just one direct heating/cooling circuit without buffer cylinder.	7181418 **570,–**	Part no. **Euro**
Contact humidistat 230 V ■ For capturing the dew point ■ To prevent condensation Recommended for applications with multiple heating/cooling circuits downstream of a buffer cylinder.	7452646 **523,–**	Part no. **Euro**

Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level



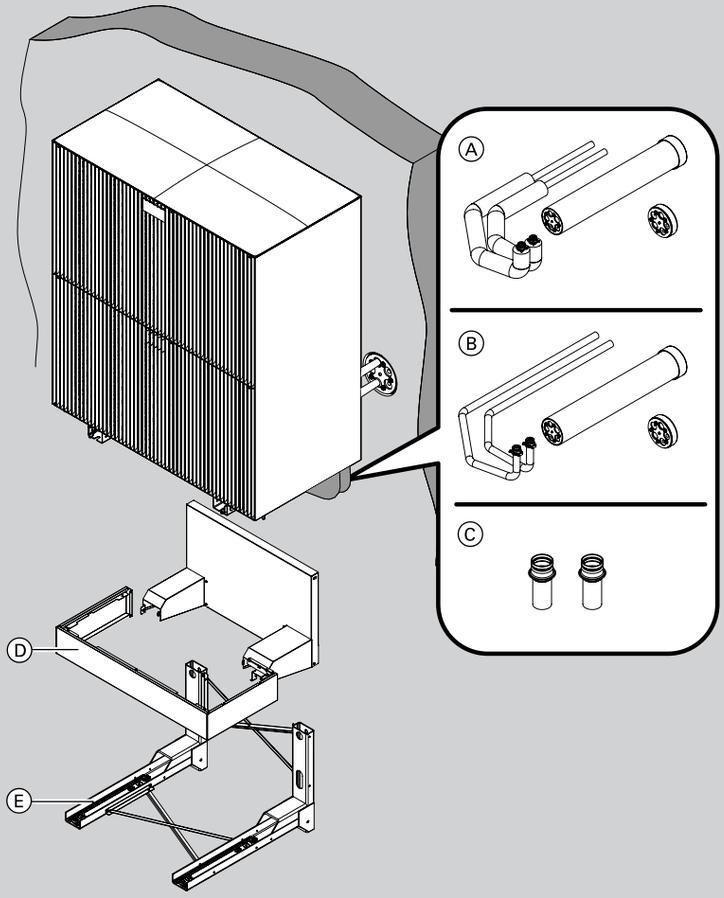
Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06018 **1.171,–**	Part no. **Euro**
Ⓑ **Connection set for floor bracket** For connecting the outdoor unit to the heating system when the pipework is above ground level. ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06428 **777,–**	Part no. **Euro**

Siting the outdoor unit
Example 1: Floor bracket and wall outlet above ground level

Heating circuit		MG WX
Ⓒ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is above ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06019 **839,–**	Part no. **Euro**
Ⓓ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

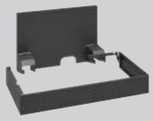
Brackets for outdoor unit			MG WX
Ⓔ **Design casing for floor bracket incl. wall connection** ■ For covering the hydraulic pipework between the heat pump and the building over a distance of 200 to 300 mm ■ For wall mounting and floorstanding installation when the pipework is above ground level ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 298 mm, width 1144 mm, length (variable) 791 to 935 mm		ZK06015 **577,–**	Part no. **Euro**
Ⓕ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓖ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm *If using with connection sets, please observe the technical guide for the required base height.*		ZK06012 **77,–**	Part no. **Euro**

Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet

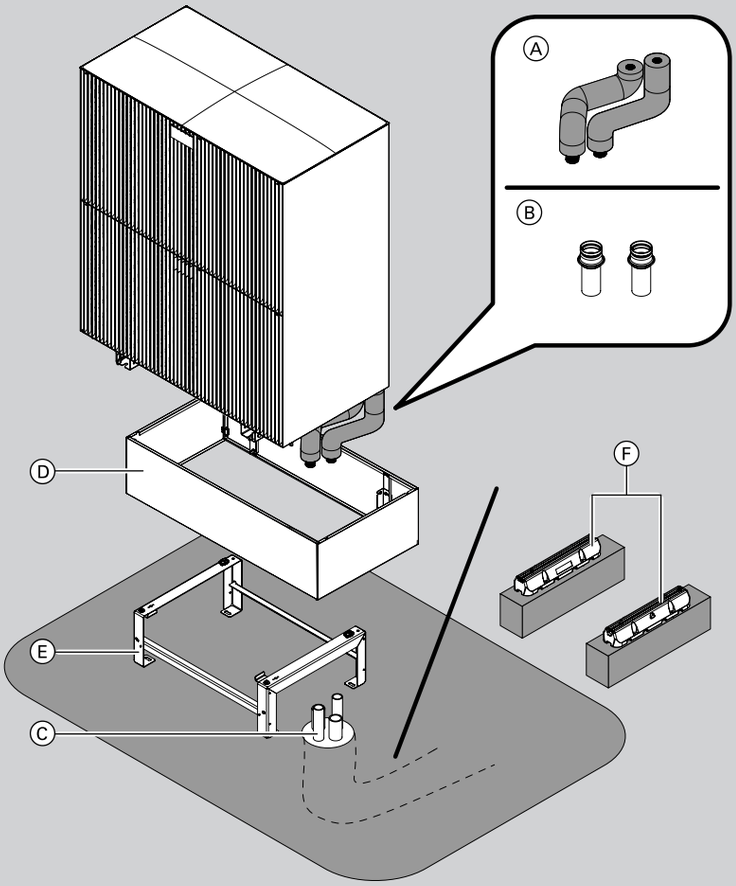


Heating circuit		MG WX
Ⓐ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, with thermal insulation to GEG (German Buildings Energy Act) ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06021 **1.145,–**	Part no. **Euro**
Ⓑ **Connection set for wall mounting bracket** For connecting the outdoor unit to the heating system ■ 2x copper pipes, Ø 28 mm, length 1 m, without thermal insulation ■ Wall outlet DN 150, length 750 mm ■ Sealing insert with entries for copper pipes: 2x Ø 28 mm and 3x Ø 18 mm ■ Cap with entries for copper pipes: 2x for Ø 28 mm and 3x for pipes of varying diameters	ZK06429 **807,–**	Part no. **Euro**
Ⓒ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm	7973227 **31,–**	Part no. **Euro**

Siting the outdoor unit
Example 2: Wall mounting bracket and wall outlet

Brackets for outdoor unit			MG WX
Ⓓ **Design casing for wall mounting bracket** ■ For covering the hydraulic pipework when wall mounted ■ Colour: Vitographite		ZK06017 **395,–**	Part no. **Euro**
Ⓔ **Bracket set for mounting the outdoor unit on a wall** ■ Made from zinc-plated sheet steel ■ Can be used for outdoor units weighing up to 250 kg ■ Dimensions: Height 560 mm, width 815 mm, length 838 mm		ZK06016 **566,–**	Part no. **Euro**

Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level



Heating circuit		MG WX
Ⓐ **Connection set for floor bracket** For connecting the outdoor unit to the hydraulic connection sets of the heating system when the pipework is below ground level. ■ 2x stainless steel corrugated pipes DN 25 x 600 mm with union nut 1¼", push-in nipple and thermal insulation Ø 28 x 32 mm	ZK06020 **275,–**	Part no. **Euro**
Ⓑ **Basic connection set for the outdoor unit** 2x copper pipes, Ø 28 mm, with push-fit connector, length 50 mm *The basic connection set cannot be connected directly to the underground Quattro connection line.*	7973227 **31,–**	Part no. **Euro**
Ⓒ **Underground Quattro connection line** For hydraulic connection of outdoor heat pumps to the heating system, flexible routing underground. ■ Flow and return line 2 x PB 40 x 3.7, DN 32 to R 1¼ adaptors (male thread) ■ 2 empty conduits for power supply and communications cable between outdoor and indoor unit ■ Everything in one pipe		
Underground Quattro connection line Horizontal line length 5 m	7984138 **1.499,–**	Part no. **Euro**

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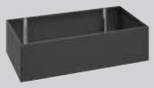
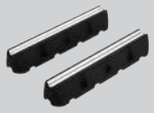
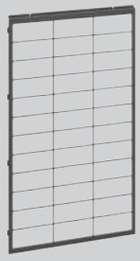
Siting the outdoor unit
Example 3: Floor bracket and pipework below ground level

Heating circuit		MG WX
Underground Quattro connection line Horizontal line length 10 m	7984139 **1.744,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 15 m	7984140 **2.370,–**	Part no. **Euro**
Underground Quattro connection line Horizontal line length 20 m	7984141 **2.938,–**	Part no. **Euro**
Ring seal for underground Quattro connection line Provides a seal against infiltrating water when installing underground using the Quattro DN 32 hydraulic connection set	7984142 **904,–**	Part no. **Euro**

Notes:
A connection set must also be ordered.
► *Observe the notes in the technical guides on line lengths for the hydraulic connection sets.*

Brackets for outdoor unit			MG WX
Ⓓ **Design casing for floor bracket** ■ For positioning on level ground ■ Colour: Vitographite		ZK06014 **483,–**	Part no. **Euro**
Ⓔ **Bracket for floorstanding installation** ■ For positioning on level ground ■ Made from stainless steel profiles ■ Dimensions: Height 270 mm, width 757 mm, length 566 mm *The design casing for the floor bracket can be retrofitted.*		ZK06013 **182,–**	Part no. **Euro**
Ⓕ **Anti-vibration base** ■ Anti-vibration base for mounting the outdoor unit on a solid surface ■ Dimensions: Height 95 mm, width 130 mm, length 600 mm		ZK06012 **77,–**	Part no. **Euro**

Accessories		
Miscellaneous		MG WX
Electric ribbon heater for condensate pan As frost protection for the outdoor unit condensate pan. Only for free flowing condensate. ■ Length of ribbon heater 1.6 m ■ Retaining clips to secure the ribbon heater in the condensate pan	ZK06022 **269,–**	Part no. **Euro**
Electric ribbon heater for condensate drain Supplements the electric ribbon heater for the condensate pan if the condensate is to be drained centrally via a hose. ■ Length of ribbon heater 2.8 m ■ Drain hose Ø 33.4 x 4 mm, length 1.25 m ■ Condensate drain elbow	7973114 **181,–**	Part no. **Euro**
Fan ring heater (1 pce) To protect the fan from freezing For climatic regions with longer frost periods *For types A4 to A8*	ZK06023 **270,–**	Part no. **Euro**
Fan ring heater (2 pce) To protect the fan from freezing For climatic regions with longer frost periods *For types A10 to A13*	ZK07157 **540,–**	Part no. **Euro**
Cap set For facing off the base rail openings of the outdoor unit.	ZK02933 **5,–**	Part no. **Euro**
Design covers for evaporator Design covers to conceal the EPP parts around the evaporator. Colour: Vitographite *Cannot be installed in conjunction with design casing for grille.*	ZK06215 **54,–**	Part no. **Euro**
Design casing for grille (1 fan) To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 758 mm, width 752 mm, depth 29 mm *Cannot be installed in conjunction with design covers for evaporator.*	7968703 **315,–**	Part no. **Euro**
Design casing for grille (2 fan) To cover the rear of the outdoor unit ■ Made from zinc-plated sheet steel ■ Colour: Vitographite ■ Dimensions: Height 1299 mm, width 752 mm, depth 29 mm *Cannot be installed in conjunction with design covers for evaporator.* 	ZK06025 **350,–**	Part no. **Euro**
Cleaning agents		MG WU
Special cleaner 1 l spray bottle for cleaning the evaporator	7249305 **57,–**	Part no. **Euro**

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Accessories		
Photovoltaics		MG T
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ AR-N (E380CA) phase-balancing bidirectional meter	ZK06026 **296,–**	Part no. **Euro**
3-phase energy meter for 2-stage self-consumption ■ With CAN bus interface ■ To ensure the heat pump makes optimum use of self-generated power from a photovoltaic system. ■ For processing data at the grid connection point for Viessmann One Base heat pumps. ■ Non-balancing bidirectional meter (the currents in the same metering direction are totalled) (Welmec E380CW)	ZK06027 **296,–**	Part no. **Euro**

Accessories		
Bus cables		MG WX
Bus communication cable, length 5 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973122 **56,–**	Part no. **Euro**
Bus communication cable, length 15 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973123 **96,–**	Part no. **Euro**
Bus communication cable, length 30 m Fully wired, shielded CAN bus communication cable between the outdoor and indoor unit	7973124 **162,–**	Part no. **Euro**
Bus cable, length 5 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06219 **58,–**	Part no. **Euro**
Bus cable, length 15 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06220 **112,–**	Part no. **Euro**
Bus cable, length 30 m Fully wired, shielded CAN bus cable for networking bus subscribers in the system network, e.g. Vitoair, Vitocal, Vitocharge, etc.	ZK06221 **204,–**	Part no. **Euro**

Notes:
- The bus communication cable between the indoor and outdoor unit can also be installed on site. For bus communication cable requirements, see technical guides.
- The cables must not be extended beyond 30 m.

Remote control units		
Vitotrol 300-E Multi-system wireless remote control for supporting various heat generators (e.g. Vitodens, Vitocal and Vitovalor) or mechanical ventilation systems (Vitoair). ■ **Wireless communication** with the heat generator via low power radio ■ Backlit graphic display ■ Display of room temperature and room humidity ■ Depending on the connected system: Support for heating, cooling and ventilation operating modes ■ Room views in combination with individual room control ■ Setting of various operating modes or time programs ■ Intuitive colour-coded user navigation (Lightguide) *To extend the range of the wireless signal, the Viessmann ViCare repeater or the repeater for flush mounting can be used.* *If the Vitotrol 300-E is to have a flush mounted power supply, a power supply unit for flush mounting must also be ordered.* ■ *No more than one Vitotrol 300-E per heating circuit/cooling circuit or per mechanical ventilation system may be installed.* ■ *Mixed operation with a Vitotrol 200-E is not possible.* *For a precise summary of compatibility see* **www.vitotrol.info**	7959522 **419,–**	MG W Part no. **Euro**
Power supply unit for flush mounting As an alternative to the plug-in power supply unit provided, power can also be supplied via the power supply unit for flush mounting. The power supply unit for flush mounting fits in a commercially available flush box. ■ Power supply unit with 12 V/500 mA power output ■ As per EUP Directive 2005/32/EC ■ Input and output via screw terminals ■ Dimensions 54 x 26 mm	ZK03842 **69,–**	Part no. **Euro** **MG Y**

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Accessories		
Wireless accessories		MG Y
ViCare thermostatic radiator valve (low power radio) Battery operated radiator actuator for individual room control for heat generators with integral communication module or in combination with Vitoconnect. Colour: White. ■ With integral temperature sensors for capturing the current room temperature ■ "Open window" detection ■ Max. actuating force 70 N, max. valve lift 4.35 mm ■ Easy installation on existing thermostatic valves with supplied adaptor set Standard delivery: ■ ViCare thermostatic radiator valve ■ Batteries 1.5 V (type AA, 2 pce) ■ Adaptor set for Danfoss thermostatic valves, types RA, RAV, RAVL and M 30 x 1.5 mm *For precise room temperature-dependent control, we recommend using the ViCare climate sensor.* *The use of rechargeable batteries is not possible due to the voltage being too low.* *Up to 30 ViCare thermostatic radiator valves can be supported simultaneously.*	ZK03840 **88,–**	Part no. **Euro**
ViCare floor thermostat (low power radio) Floor thermostat for individual room control for heat generators with integral communication module or in conjunction with Vitoconnect. ■ Intelligent control of an underfloor heating system with up to 6 heating zones (18 thermal actuators) ■ The ViCare floor thermostat has a switching contact for the heat demand or solenoid valve control. ■ An integral frost protection function prevents damage to the fabric of the building. ■ An anti-limescale function prevents the actuator valves from seizing up. ■ Compatible with N/O and N/C thermal actuators. ■ The room temperature can be set for each heating zone using the ViCare floor thermostat and the ViCare app. Each heating zone requires a ViCare climate sensor for specifying the temperature value. Standard delivery: ■ ViCare floor thermostat ■ External aerial with connecting cable, 1.3 m long ■ Contact temperature sensor with connecting lead, 1.8 m long and hose clip ■ Connecting cable, 1.2 m long, with plug ■ Tool for operating the pairing button ■ Installation material for wall mounting *Up to 4 ViCare floor thermostats can be supported simultaneously.*	ZK03838 **306,–**	Part no. **Euro**

Accessories

Wireless accessories

MG Y

ViCare climate sensor – temperature and humidity sensor
(low power radio)
Battery operated temperature and humidity sensor for monitoring the room climate.
The sensor can be connected to the Vitoair FS mechanical ventilation system, a heat generator with integral communication module or a Vitoconnect.
- The ViCare climate sensor captures the temperature and the relative humidity in the room.
- In rooms with ViCare thermostatic radiator valves or ViCare floor thermostats, the ViCare climate sensor enables precise individual room control.

Standard delivery:
- ViCare climate sensor
- Battery, button cell CR2450, 600 mAh
- Installation material for wall mounting

A climate sensor is required for each heating zone when combined with the ViCare floor thermostat. We recommend ViCare climate sensors if using ViCare thermostatic radiator valves in very large rooms.

ZK03839
54,–
Part no.
Euro

Sensors

MG W

Immersion temperature sensor (NTC 10 kOhm)
- To capture the temperature in a sensor well
- With connecting lead (5.8 m long) and plug

As a cylinder temperature sensor for DHW cylinders or heating water buffer cylinders.

7438702
110,–
Part no.
Euro

Contact temperature sensor (NTC 10 kOhm)
- To capture a temperature on a pipe
- With connecting lead (5.8 m long) and plug

7426463
110,–
Part no.
Euro

Heating circuit control unit extension

MG W

Contact temperature limiter
Temperature limiter to restrict the maximum temperature of underfloor heating systems
- With connecting lead (1.5 m long)

Only in conjunction with a directly connected heating circuit without mixer.

ZK04647
131,–
Part no.
Euro

Immersion temperature limiter
Temperature limiter to restrict the maximum temperature of underfloor heating systems
- With connecting lead (4.2 m long) and plug
- With stainless steel sensor well R ½ x 200 mm

In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.

7151728
214,–
Part no.
Euro

Contact temperature limiter
Temperature limiter to restrict the maximum temperature of underfloor heating systems
- With connecting lead (4.2 m long) and plug
- Temperature limit adjustable from 30 to 80 °C

In conjunction with heating circuits with separate heating circuit pump and mixer extension kit.

7151729
164,–
Part no.
Euro

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Accessories		
Heating circuit control unit extension		MG W
EM-MX mixer extension kit (mixer mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB with mixer motor for Viessmann mixers DN 20 to 50, R ½ to 1¼ (not for flanged mixers) ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (2.0 m long) and plug ■ Plug for heating circuit pump ■ Power cable and PlusBus cable with plug *Only suitable for heating mode.*	Z017409 **572,–**	Part no. **Euro**
EM-M1 mixer extension kit (wall mounting) (PlusBus subscriber) For one heating circuit with mixer, fully wired. ■ Mixer PCB for separately ordered mixer motor ■ Flow temperature sensor as contact temperature sensor (NTC 10 kOhm) with connecting lead (5.8 m long) and plug ■ Plug for heating circuit pump and mixer motor ■ Power cable and PlusBus cable with plug ■ With immersion temperature sensor connection for low loss header (immersion temperature sensor must be ordered separately)	Z025981 **373,–**	Part no. **Euro**

Accessories		
Communication technology		MG YE
WAGO KNX/TP gateway For mounting on top-hat rails. Data exchange with an external system based on the KNX/TP communication standard. Connections: ■ KNX/TP-1 terminals for linking up to the on-site KNX system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO KNX/TP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z024994 **1.369,–**	Part no. **Euro**
WAGO MB/TCP gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/TCP communication standards. Connections: ■ Modbus/TCP terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/TCP gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019286 **1.636,–**	Part no. **Euro**
WAGO MB/RTU gateway For mounting on top-hat rails. Data exchange with an external system based on Modbus/RTU communication standards. Connections: ■ Modbus/RTU terminals for connection to the on-site Modbus system ■ 230 V~ power supply via plug-in power supply unit ■ CAN bus terminals for connecting the cable to the heat generator Standard delivery: ■ WAGO MB/RTU gateway for mounting on a top-hat rail ■ Power supply unit for mounting on a top-hat rail	Z019287 **1.636,–**	Part no. **Euro**
Wall mounted enclosure for WAGO gateway Enclosure for mounting the WAGO gateway on the wall ■ Enclosure for wall mounting ■ DIN top-hat rail prefitted	ZK04917 **91,–**	Part no. **Euro**
CAN bus cable Cable to connect the WAGO gateway to the heat generator. ■ Length 7 metres ■ Plug pre-wired	ZK04974 **21,–**	Part no. **Euro**

Notes:
- For further information on appliances supported by the WAGO gateway, see Register 1 and www.automation-gateway.info
- The connection to the on-site external control system and the configuration of the WAGO gateway must be carried out by a qualified contractor.

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