

LA 0712BWC

Data sheet



Experience Better Living.

Reversible air-to-water heat pump for outdoor installation.

Heat pump system for heating and cooling with integrated heat pump manager WPM with touch display, consisting of a Hydro-tower HWK 332 and air-to-water heat pump for outdoor installation.

- Simple hydraulic connection via the flexible connection kit (VS 32-220) provided
- Extremely quiet thanks to sound-optimised casing and sound-insulated compressor housing
- High efficiency thanks to high-performance evaporator, EC fan and COP booster
- Integration of intelligent room temperature controllers (Smart RTC) enables a further increase in system efficiency
- Flexible expansion options via 2 mixer outputs for bivalent operation and/or the control of mixed heating circuits
- Side parts and cover anthracite grey textured (similar to RAL 7016), front panels grey aluminium textured (similar to RAL 9007).

Hydro-tower

- Minimal installation effort thanks to the space-optimised combination of buffer tank and domestic hot water cylinder
- Simple commissioning with integrated heat pump manager and optimally coordinated hydraulic components
- Drinking water cylinder with 300 l and buffer cylinder with 100 l capacity
- Demand-based supplementary heating via switchable pipe heater (2/4/6 kW)
- Standard integrated heating flange with 1.5 kW output to support domestic hot water preparation.

Silent cooling via panel heating/cooling systems requires the use of the room temperature controller with humidity sensor (RTM Econ) and a mixed heating circuit to regulate the flow temperature on the basis of the air temperature and humidity of a reference room. The electrical connection between the control to be mounted in the building and the outdoor unit takes place via a shielded 2-wire data cable (e.g. LiYY; cross-section 0.6 mm²) not included in the scope of supply.



Technical Data

Order reference	LA 0712BWC
Starting current	19
Maximum electric power consumption	3.8
cos phi	0,8
Connection voltage	3/N/PE ~400 V, 50 Hz
Dimensions (W x H x D)**	910 x 1650 x 750 mm
Weight	245 kg

* Heating and cooling capacity and coefficients of performance (COP/EER) in accordance with EN 14511

** Please note that additional space is required for pipe connection, operation and maintenance.

*** The fuse protection must be designed as an all-pole disconnecting device (common disconnection of all phases)!



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System accessories



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Description	Order-ref.	Article-number	Example Piece	Units	Price
Heat pump air monobloc outdoor					
Reversible air-to-water heat pump for outdoor installation.	LA 0712BWC	381130	1		
Accessories hydraulic					
Connection hose 1¼" (32 x 5.5 mm)	AS 976-1	330530	1		
Immersion heater 4.5 kW, ~230 V	CTHK 630	363610	1		
Immersion heater 2.0 kW, ~230 V	CTHK 631	336180	1		
Immersion heater 2.9 kW, ~400 V	CTHK 632	335910	1		
Immersion heater 4.5 kW, ~400 V	CTHK 633	322140	1		
Immersion heater 6.0 kW, ~400 V	CTHK 634	322150	1		
3-way reversing valve DN 25	DWV 25	374770	1		
DN 25 double-sphere rubber expansion joint	KOMP 25	362050	1		
Mixer module for bivalent systems	MMB 25	348880	1		
Mixed heating circuit module with temperature sensor	MMH 25	348640	1		
High-efficiency circulating pump DN 25 with coupling relay	UP 75-25PK	376740	1		
El. cont. circulating pump: Control type Δp-c, fixed speed, PWM control optional	UPE 80-25PK	380160	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-100	362530	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-150	362540	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-200	362550	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-300	362560	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-50	362520	1		



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Description	Order-ref.	Article-number	Example Piece	Units	Price
Manifold bar DN 25	VTB 25-2	376360	1		
Manifold bar DN 32	VTB 25-3	376370	1		
Domestic hot water module/unmixed heating circuit module	WWM 25	346600	1		
Accessories for heating					
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650100	381220	1		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650140	381230	1		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650180	381240	1		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 165080	381210	1		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150100	381250	1		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150140	381260	1		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150180	381270	1		
Heat pump heater vertical	WPHKV 1220053	381280	1		
Accessories domestic hot water					
FLH 25M flange heater	FLH 25M	349430	1		
Flange heater for domestic hot water	FLH 60	338060	1		
Flange heater for domestic hot water	FLHU 70	338070	1		
Safety valve combination	SVK 852	326660	1		
Accessories controls					
Outside temperature sensor with casing	FG 3115	336620	1		
Expansion module WPM for a KNX/EIB connection	KNX WPM	376350	1		



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Description	Order-ref.	Article-number	Example Piece	Units	Price
Extension for a Modbus RTU connection	LWPM 410	339410	1		
Temperature sensor NTC-10 with metal sleeve	NTC-10M	363600	1		
Extension for an Ethernet network connection	NWPM Touch	378800	1		
Smart RTC+ - intelligent room temperature control	RTM Econ A	367210	1		
Smart RTC+ - intelligent room temperature control	RTM Econ U	367200	1		

* Additional specific accessories available/required

Important notice

The combination of components and the specified quantities represent a non-binding example system that must be reviewed and, if necessary, adjusted individually.

The pumpsizing needs to be checked according to the system's pressure loss and the minimum heating water flow rate of the heat pump.



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