

LA 0712C

Data sheet

Experience Better Living.

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

Side parts and cover anthracite grey textured (similar to RAL 7016), front panels grey aluminium textured (similar to RAL 9007). Heat pump for heating and cooling for outdoor installation with wall-mounted heat pump manager WPM Touch with touch display. Sound-optimised through flow-optimised air circuit with encapsulated compressor housing and free-swinging compressor base plate for solid-borne sound insulation. Maximum operational safety via sensor monitoring of the refrigeration circuit with self-optimising defrosting. This enables the downtimes in cycle operation to be used for natural defrosting, integrated thermal energy metering (display of the calculated quantity of thermal energy for heating and domestic hot water preparation on the heat pump manager). 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. Dirt trap and sensor flow rate measurement integrated to safeguard the minimum heating water flow rate. Quick and easy installation via installation close to walls with a minimal distance from the wall of 0.5m on the intake side and a casing concept optimised for outdoor installation. High coefficients of performance (COP) thanks to high-performance evaporator, COP booster, electronic expansion valve, EC fan for adjusting the air volume flow and self-optimising output control. Use of load-variable tariffs (SG Ready) 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. At an external temperature of -10 °C, the maximum flow temperature that can be achieved is 56 °C. Universal design with flexible expansion options for: Distribution systems with unmixed and mixed heating circuits Flow and return sensor integrated, external sensor (standard NTC-2) in the scope of supply. Bivalent or bivalent-renewable operating mode



Technical Data

Order reference	LA 0712C
Maximum electric power consumption	3.8
Starting current	19
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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17.04.2024

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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 0712C	381110	1		
Bottom console for LA ...S-TU(R) heat pumps	BKS 0918	379640	1		
Dual differential pressureless manifold	DDV 25	358390	1		
	IBB 1118CP	382120	1		
Free-standing buffer tank 100 l	PSW 100	351090	1		
Air-to-water heat pump connection kit	VS 32-220	372950	1		
Domestic hot water cylinder (300l) with temperature sensor	WWSP 335	376760	1		
Accessories hydraulic					
Connection hose 1¼" (32 x 5.5 mm)	AS 976-1	330530	1		
Dual differential pressureless manifold	DDV 25	358390	1		
3-way ball valve DN 25	DWK 25	364680	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		
Free-standing buffer tank 200 l	PSW 200	339830	1		
High-efficiency circulating pump DN 25 with coupling relay	UP 75-25PK	376740	1		
Electronically controlled wet-running pump, self-regulating	UPE 100-25K	374720	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		



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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		
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					
3-way reversing valve DN 25	DWV 25	374770	1		
Hydro Tower without regulation	HWK 332	362360	1		
Combination tank heating and domestic hot water preparation	PWS 332	348620	1		



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Description	Order-ref.	Article-number	Example Piece	Units	Price
High-efficiency circulating pump DN 25 with coupling relay	UP 75-25PK	376740	1		
Pump unit DN 25 for direct connection of the domestic hot water cylinder	WPG 25	356030	1		
Domestic hot water cylinder (300l) with temperature sensor	WWSP 335	376760	1		
Domestic hot water cylinder (400 l) with temperature sensor	WWSP 442	372840	1		
Accessories solar					
400l solar cylinder for heat pump	WWSP 432 SOL	361080	1		
Accessories controls					
Outside temperature sensor with casing	FG 3115	336620	1		
Expansion module WPM for a KNX/EIB connection	KNX WPM	376350	1		
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		
Expansion module for the WPM Touch	WPM Touch +2	378920	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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