

LA 1118BWCP

Data sheet

Experience Better Living.

Reversible air-to-water heat pump for outdoor installation. Incl. domestic hot water preparation. 18 kW heat output. 300 l domestic hot water cylinder.

High coefficient of performance (COP) due to high performance evaporator, electronic expansion valve, EC fan for adjustment of air volume flow, self-optimising output control and natural refrigerant R290. Heat pump system for heating and cooling, consisting of Hydro-tower with integrated WPM Touch heat pump manager with touch display and externally installed air-to-water heat pump. Quick and easy installation thanks to installation close to walls, a casing concept optimised for outdoor installation and the option of connecting the heat pump from underneath and behind. Flexible expansion options with additional mixer outputs for bivalent operation and/or control of mixed heating circuits Drinking water cylinder with 300 l and buffer cylinder with 100 l capacity Side parts and cover anthracite grey textured (similar to RAL 7016), front panels grey aluminium textured (similar to RAL 9007). Standard integrated heating flange with 1.5 kW output to support domestic hot water preparation. Easy hydraulic connection with the flexible connection kit VS 32-220 included Heat pump Hydro-tower Demand-based supplementary heating via switchable pipe heater (2/4/6 kW) Simple commissioning with integrated heat pump manager and optimally coordinated hydraulic components 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. Extremely quiet thanks to sound-optimised casing and sound-insulated compressor housing Minimal installation effort thanks to the space-optimised combination of buffer tank and domestic hot water cylinder



Technical Data

Order reference	LA 1118BWCP
Maximum electric power consumption	5.6
Connection voltage	3/N/PE ~400 V, 50 Hz
Dimensions (W x H x D)**	1418 x 1107 x 598 mm
Weight	230 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. Incl. domestic hot water preparation. 18 kW heat output. 300...	LA 1118BWCP	381910	1		
	BKS 1115	382450	0		
	BK SE	382480	0		
Wall connection kit for LA 1118CP and LA 1525CP	SWA 1115	382860	0		
Accessories hydraulic					
Immersion heater 4.5 kW, ~230 V	CTHK 630	363610	0		
Immersion heater 2.0 kW, ~230 V	CTHK 631	336180	0		
Immersion heater 2.9 kW, ~400 V	CTHK 632	335910	0		
Immersion heater 4.5 kW, ~400 V	CTHK 633	322140	0		
Immersion heater 6.0 kW, ~400 V	CTHK 634	322150	0		
Manifold bar DN 25	VTB 25-2	376360	0		
Manifold bar DN 32	VTB 25-3	376370	0		
Unmixed heating circuit System M module	MHU 25	M99007	0		
Unmixed heating circuit heating/cooling System M module	MHUC 25	M99009	0		
Mixed heating circuit System M module	MHM 25	M99008	0		
Mixed heating circuit heating/cooling System M module	MHMC 25	M99010	0		
Module based on MFLex Cooling heating/cooling circuit	MHMC 25Flex	M99032	0		
3-way ball valve DN 25	DWK 25	364680	0		
Mixer module for bivalent systems	MMB 25	348880	0		



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Description	Order-ref.	Article-number	Example Piece	Units	Price
DN 25 double-sphere rubber expansion joint	KOMP 25	362050	0		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-50	362520	0		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-100	362530	0		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-150	362540	0		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-200	362550	0		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-300	362560	0		
Accessories for heating					
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 165080	381210	0		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650100	381220	0		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650140	381230	0		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650180	381240	0		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150100	381250	0		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150140	381260	0		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150180	381270	0		
Heat pump heater vertical	WPHKV 1220053	381280	0		
Accessories domestic hot water					
FLH 25M flange heater	FLH 25M	349430	0		
Flange heater for domestic hot water	FLHU 70	338070	0		
Flange heater for domestic hot water	FLH 60	338060	0		
Safety valve combination	SVK 852	326660	0		



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Description	Order-ref.	Article-number	Example Piece	Units	Price
Accessories controls					
Extension for an Ethernet network connection	NWPM Touch	378800	1		
Expansion module WPM for a KNX/EIB connection	KNX WPM	376350	0		
Extension for a Modbus RTU connection	LWPM 410	339410	0		
Outside temperature sensor with casing	FG 3115	336620	0		
Temperature sensor NTC-10 with metal sleeve	NTC-10M	363600	0		
Smart RTC+ - intelligent room temperature control	RTM Econ A	367210	0		
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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