

LA 1118C

Data sheet

Experience Better Living.

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

Heat pump for heating and cooling with two performance levels for increased efficiency in partial load operation for outdoor installation and wall-mounted heat pump manager WPM Touch with touch display. Side parts and cover anthracite grey textured (similar to RAL 7016), front panels grey aluminium textured (similar to RAL 9007). Sound-optimised through deflector hood and encapsulated compressor housing, EC axial fan for low natural sounding noise and free-swinging compressor base plate for solid-borne sound insulation. Use of load-variable tariffs (SG Ready) 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. 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. 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). Bivalent or bivalent-renewable operating mode Flow and return sensor integrated, external sensor (standard NTC-2) in the scope of supply. Distribution systems with unmixed and mixed heating circuits Universal design with flexible expansion options for: At an external temperature of -10 °C, the maximum flow temperature that can be achieved is 56 °C. 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 1118C
Starting current	17
Maximum electric power consumption	6.8
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	283 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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LA 1118C

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 1118C	381150	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 200 l	PSW 200	339830	1		
Air-to-water heat pump connection kit	VS 32-220	372950	1		
Domestic hot water cylinder (400 l) with temperature sensor	WWSP 442	372840	1		
Accessories hydraulic					
Connection hose 1¼" (32 x 5.5 mm)	AS 976-1	330530	1		
Dual differential pressureless manifold	DDV 25	358390	1		
Dual differential pressureless manifold	DDV 32	348450	1		
3-way ball valve DN 25	DWK 25	364680	1		
3-way ball valve DN 32	DWK 32	364690	1		
DN 25 double-sphere rubber expansion joint	KOMP 25	362050	1		
DN 32 double-sphere rubber expansion joint	KOMP 32	362060	1		
Mixer module for bivalent systems	MMB 25	348880	1		
Mixer module for bivalent systems	MMB 32	367780	1		
Mixed heating circuit module with temperature sensor	MMH 25	348640	1		
Mixed heating circuit module	MMH 32	367790	1		



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Description	Order-ref.	Article-number	Example Piece	Units	Price
Mixed heating circuit module with temperature sensor	MMH 50	364260	5		
Free-standing buffer tank 200 l	PSW 200	339830	1		
Universal buffer tank (500 l)	PSW 500	339210	1		
High-efficiency circulating pump DN 25 with coupling relay	UP 75-25PK	376740	1		
High-efficiency circulating pump DN 32 with coupling relay	UP 75-32PK	376750	1		
Electronically controlled wet-running pump, self-regulating	UPE 100-25K	374720	1		
Electronically controlled wet-running pump, self-regulating	UPE 100-32K	374730	1		
Electronically controlled wet-running pump, self-regulating	UPE 120-32K	374740	1		
El. cont. circulating pump: Control type Δp -c, fixed speed, PWM control optional	UPE 80-25PK	380160	1		
El. cont. circulating pump: Control type Δp -c, fixed speed, PWM control optional	UPE 80-32PK	380170	1		
High-efficiency circulating pump DN 32 with coupling relay	UPH 90-32	370420	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		
Manifold bar DN 25	VTB 25-2	376360	1		
Manifold bar DN 32	VTB 25-3	376370	1		
Manifold bar DN 32	VTB 32-2	374920	1		
Manifold bar DN 32	VTB 32-3	374930	1		



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Description	Order-ref.	Article-number	Example Piece	Units	Price
Domestic hot water module/unmixed heating circuit module	WWM 25	346600	1		
Domestic hot water module/unmixed heating circuit module	WWM 32	367800	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					
Flow rate measurement for central domestic hot water heater	DFM 1988-500	377650	1		
3-way reversing valve DN 25	DWV 25	374770	1		
3-way reversing valve DN 32	DWV 32	374780	1		
Hydro Tower without regulation	HWK 332	362360	1		
Combination tank heating and domestic hot water preparation	PWS 332	348620	1		
High-efficiency circulating pump DN 25 with coupling relay	UP 75-25PK	376740	1		
High-efficiency circulating pump DN 32 with coupling relay	UP 75-32PK	376750	1		
High-efficiency circulating pump DN 25 with coupling relay	UPH 90-25	370410	1		



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High-efficiency circulating pump DN 32 with coupling relay	UPH 90-32	370420	1		
Pump unit DN 25 for direct connection of the domestic hot water cylinder	WPG 25	356030	1		
Pump unit DN 32 for direct connection of the domestic hot water cylinder	WPG 32	356040	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		
Domestic hot water cylinder (500l) with temperature sensor	WWSP 556	370080	1		
Accessories solar					
400l solar cylinder for heat pump	WWSP 432 SOL	361080	1		
500 l solar cylinder for heat pump	WWSP 540 SOL	361090	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		



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Description	Order-ref.	Article-number	Example Piece	Units	Price
Heat pump manager incl. software adaptation for use as a master controller	WPM Touch Master	379130	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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