LIA 0608HXCF M

Data sheet

Experience Better Living.

Reversible air-to-water heat pump in split design.

Heat pump system for heating and cooling with inverter control and integrated WPM Touch heat pump manager with touch display. The hydraulic unit (indoors) and the outdoor unit are connected via a refrigerant line (special accessory). For line lengths over 15 m, additional refrigerant must be added during commissioning. The maximum line length is 30 m. The outdoor unit with output-controlled compressor (inverter) adapts the heat output to the heating consumption of the building or the domestic hot water request and can be installed close to the wall. Sound-optimised through electronically controlled fan. The optional cooling can take place via fan convectors or panel heating systems. For silent cooling via panel heating system (e.g. underfloor heating), an intelligent room temperature controller, Smart-RTC, with humidity measurement (special accessory) is required to determine the dew point. The following components are mounted in a space-saving way and wired ready to use:
High-efficiency heat circulating pump (note the free compression)
Built-in pipe heater (2 / 4 / 6 kW) can be used for reheating domestic hot water up to 60 °C and as a stand-by for heating operation
Use of load-variable tariffs
Flexible expansion options for the combination of mixed and unmixed heating circuits, as well as bivalent or bivalent-renewable operation. A condensate tray is integrated as standard. 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 2x0.6 mm² or J-Y(ST)Y..LG2x2x0.8 mm²) not included in the scope of supply. Flow and return sensor, dirt trap and flow rate sensor are integrated.



Technical Data

Order reference	LIA 0608HXCF M
Cooling capacity A27/W18	8.18
EER A27/W18	5.68
Seasonal room heating energy efficiency (high temperature)	138
Energy efficiency class with 55 °C flow temperature	A++
Energy efficiency class with 35 °C flow temperature	A+++
Seasonal space heating energy efficiency in average climate conditions (NT)	195
Dimensions (W x H x D)**	712 x 1008 x 426 mm
Weight	66 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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WEEE-Reg-Nr. DE 26295273

Technical alterations, delivery possibilities, and errors are subject to change.

LIA 0608HXCF M

System accessories

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Description	Order-ref.	Article-number	Example Piece	Units	Price
Heat pump air split					
Reversible air-to-water heat pump in split design.	LIA 0608HXCF M	380080	1		
Buffer tank, wall-mounted	PSP 50W	381900	1		
Heating connection kit for LIA Flex series split heat pumps	VSH LIA Flex	381960	1		
Domestic hot water connection kit for LIA Flex series split heat pumps	VSW LAK	374910	1		
Domestic hot water cylinder 200l with temperature sensor	WWSP 229	374570	1		
Accessories hydraulic					
Connecting hose 1" (25 x 4.5 mm)	AS 976	322180	1		
3-way ball valve DN 25	DWK 25	364680	1		
Compact manifold with overflow valve	KPV 25	346590	1		
Mixer module for bivalent systems	MMB 25	348880	1		
Mixed heating circuit module with temperature sensor	MMH 25	348640	1		
Buffer tank, wall-mounted	PSP 50W	381900	1		
Universal buffer tank (500 l)	PSW 500	339210	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		

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Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-50	362520	1		
Heating connection kit for LIA Flex series split heat pumps	VSH LIA Flex	381960	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					
Design domestic hot water cylinder 250 l System M	MDHW 232	M99013	1		
Safety valve combination	SVK 852	326660	1		
Domestic hot water connection kit for LIA Flex series split heat pumps	VSW LAK	374910	1		
Domestic hot water cylinder 200l with temperature sensor	WWSP 229	374570	1		
Domestic hot water cylinder (300l) with temperature sensor	WWSP 335	376760	1		

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Description	Order-ref.	Article-number	Example Piece	Units	Price
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		

* 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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