LA 60S-TUR
Data sheet

Experience Better Living.

Reversible air-to-water heat pump. For up to 60 kW house heating load.

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. 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. Top part anthracite grey textured (similar to RAL 7016), bottom part grey aluminium textured (similar to RAL 9007). At an external temperature of -10 °C, the maximum flow temperature that can be achieved is 55 °C. Dirt trap and flow rate switch built in. Access for service work on the outlet side, the minimum clearances must be observed for installation close to walls. Can be easily transported with a lift truck (accessible from underneath) or lifting lugs. High operational safety through sensor monitoring of the refrigeration circuit with demand-based 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). Sound-optimised by electronically controlled fans and an encapsulated compressor housing with free-swinging compressor baseplate for solid-borne sound insulation. Optimised heating and cooling operation via an external four-way reversing valve which is activated by the controller (special accessory). Universal design with flexible expansion options for: Unmixed and mixed heating and cooling circuit High coefficients of performance (COP) through high-performance evaporator and compliance with the requirements of EN 14511 for larger volume flows on the heat consumption side. Bivalent or bivalent-renewable operating mode Flow and return sensor integrated, external sensor (standard NTC-2) in the scope of supply.



Technical Data

Order reference	LA 60S-TUR
Maximum electric power consumption	26.4
Starting current	60
cos phi	0,78
Connection voltage	3/N/PE ~400 V, 50 Hz
Dimensions (W x H x D)**	1900 x 2300 x 1000 mm
Weight	870 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

WEEE-Reg-Nr. DE 26295273

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

LA 60S-TUR

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 up to 60 kW house heating load.	LA 60S-TUR	374620	1		
Freestanding buffer tank 1000 l heating/cooling	BTHC 1000	381980	1		
3-way reversing valve DN 50	DWV 50	374800	1		
Freestanding buffer tank 1000 l heating/cooling	PSP 1000K	376240	1		
Domestic hot water cylinder, 700 litres	WWSP 770	376730	1		
Accessories hydraulic					
Freestanding buffer tank 1000 l heating/cooling	BTHC 1000	381980	1		
3-way ball valve DN 50	DWK 50	364710	1		
DN 50 double-sphere rubber expansion joint	KOMP 50	362080	1		
Mixed heating circuit module with temperature sensor	MMH 50	364260	1		
Freestanding buffer tank 1000 l heating/cooling	PSP 1000K	376240	1		
Universal buffer tank (500 l)	PSW 500	339210	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		
Electronically controlled circulating pump with coupling relay	UPH 120-50F	379020	1		
Manifold bar for DN 50 modules	VTB 50	367730	1		
Domestic hot water module/unmixed heating circuit module	WWM 50	364250	1		
Accessories for heating					
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650100	381220	1		

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Description	Order-ref.	Article-number	Example Piece	Units	Price
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		
Flow rate measurement for central domestic hot water heater	DFM 1988-700	379150	1		
3-way reversing valve DN 50	DWV 50	374800	1		
Pump unit DN 32 for direct connection of the domestic hot water cylinder	WPG 32	356040	1		
Domestic hot water cylinder (500l) with temperature sensor	WWSP 556	370080	1		
Domestic hot water cylinder, 700 litres	WWSP 770	376730	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		

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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		
Expansion module for the WPM Touch	WPM Touch +2	378920	1		
Heat pump manager incl. software adaptation for use as a master controller	WPM Touch Master	379130	1		
Accessories for cooling					
Dew point monitor	TPW WPM	350970	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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