LA 40TU-2
Data sheet

Experience Better Living.

High efficiency air-to-water heat pump for outdoor installation

Colour white aluminium (similar to RAL 9006) Heat pump for heating purposes for outdoor installation and wall-mounted heat pump manager WPM Econ5Plus with standard display. Use of load-variable tariffs (SG Ready) Access for service work on the outlet side, the minimum clearances must be observed for installation close to walls. Dirt trap included in the scope of supply. 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. Distribution systems with unmixed and mixed heating circuits Electrical connection cable EVL ..U between heat pump and heat pump manager must be ordered separately. 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 through the use of slow-running 'owl's wing' fans with a low natural sounding noise, an encapsulated compressor housing with free-swinging compressor baseplate for solid-borne sound insulation. Universal design with two compressors for modulating operation, optional domestic hot water preparation and flexible expansion options for: 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 40TU-2
Starting current	30
Maximum electric power consumption	13.4
cos phi	0,76
Connection voltage	3/PE ~400 V, 50 Hz
Dimensions (W x H x D)**	1735 x 2100 x 952 mm
Weight	585 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.

LA 40TU-2

System accessories

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Description	Order-ref.	Article-number	Example Piece	Units	Price
Heat pump air monobloc outdoor					
High efficiency air-to-water heat pump for outdoor installation	LA 40TU-2	376680	1		
Hydraulic tower 300 litres	HPK 300	371600	1		
Domestic hot water cylinder (500l) with temperature sensor	WWSP 556	370080	1		
Accessories hydraulic					
Dual differential pressureless manifold	DDV 40	367720	1		
3-way ball valve DN 40	DWK 40	364700	1		
Hydraulic tower 300 litres	HPK 300	371600	1		
DN 40 double-sphere rubber expansion joint	KOMP 40	362070	1		
Mixed heating circuit module	MMH 32	367790	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		
Manifold bar DN 32	VTB 32-2	374920	1		
Manifold bar DN 32	VTB 32-3	374930	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		

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Description	Order-ref.	Article-number	Example Piece	Units	Price
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 40	DWV 40	374790	1		
High-efficiency circulating pump DN 32 with coupling relay	UPH 90-32	370420	1		
Pump unit DN 32 for direct connection of the domestic hot water cylinder	WPG 32	356040	1		
Domestic hot water module for hydraulic tower HPK 300	WWM HPK	371790	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					
Remote control for WPM 2006/2007/EconPlus/R	AP PGD	356570	1		
Flow rate switch DN 40	DFS 40-22	368240	1		
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		
Smart RTC+ - intelligent room temperature control	RTM Econ A	367210	1		
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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