LA 33TPR
Data sheet

Experience Better Living.

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

At an external temperature of -10 °C, the maximum flow temperature that can be achieved is 58 °C. The installer is guided to the optimal setting step-by-step by the innovative EasyOn concept. The operation by the operator takes place via a radically simplified operating concept in a modern tile look. High coefficients of performance (COP) through high-performance evaporator, EC fan for COP-optimised adaptation of the air volume flow and natural refrigerant R290. Heat pump for heating and cooling purposes for outdoor installation with wall-mounted heat pump manager WPM Touch with touch display and two compressors for output reduction in partial load operation. Use of load-variable tariffs (SG Ready) Universal design with optional domestic hot water preparation and flexible expansion possibilities for: Flow and return sensor integrated, external sensor (standard NTC-2) in the scope of supply. Bivalent or bivalent-renewable operating mode Distribution systems with unmixed and mixed heating circuits FWO function for more efficient domestic hot water preparation with increased domestic hot water temperatures and volumes of water to be drawn through optimised tank charging. High operational reliability through sensor monitoring of the refrigeration circuit with demand-based defrosting via reverse circulation and integrated thermal energy metering (display of the calculated quantity of thermal energy for heating, domestic hot water and swimming pool water preparation on the heat pump manager). 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. Sound-optimised through flow-optimised, tapering casing with encapsulated compressor housing, axial fan for low natural sounding noise and free-swinging compressor baseplate for solid-borne sound insulation. Dirt trap and flow rate switch built in.



Technical Data

Order reference	LA 33TPR
Maximum electric power consumption	11.7
Starting current	29
cos phi	0,72
Connection voltage	3/PE ~400 V, 50 Hz
Dimensions (W x H x D)**	1065 x 1815 x 775 mm
Weight	333 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 33TPR
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 33TPR	378690	1		
Hydraulic tower 300 litres	HPK 300	371600	1		
Domestic hot water module for hydraulic tower HPK 300	WWM HPK	371790	1		
Domestic hot water cylinder, 700 litres	WWSP 770	376730	1		
Accessories hydraulic					
Dual differential pressureless manifold	DDV 40	367720	1		
3-way ball valve DN 32	DWK 32	364690	1		
Hydraulic tower 300 litres	HPK 300	371600	1		
DN 32 double-sphere rubber expansion joint	KOMP 32	362060	1		
Mixer module for bivalent systems	MMB 32	367780	1		
Mixed heating circuit module	MMH 32	367790	1		
Free-standing buffer tank 200 l	PSW 200	339830	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		
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		

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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 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		
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 32	DWV 32	374780	1		
3-way reversing valve DN 40	DWV 40	374790	1		
High-efficiency circulating pump DN 32 with coupling relay	UPH 90-32	370420	1		

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Description	Order-ref.	Article-number	Example Piece	Units	Price
Pump unit DN 32 for direct connection of the domestic hot water cylinder	WPG 32	356040	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		
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		
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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