

LIK 8TES

Data sheet

Experience Better Living.

Compact air-to-water heat pump for indoor installation.

At an external temperature of $-10\text{ }^{\circ}\text{C}$, the maximum flow temperature that can be achieved is $53\text{ }^{\circ}\text{C}$. High-efficiency heat circulating pump (note the free compression) Dirt trap and flow rate switch built in. Buffer tank (50 l) with integrated 2 kW heating element Compact design with optional domestic hot water preparation and integrated components for direct connection of an unmixed heating circuit (must not be used for bivalent systems): Expansion vessel (24 l) Overflow valve and safety module with pressure gauge High coefficients of performance (COP) using an evaporator optimised for heating operation and energy-efficient defrosting by reverse circulation. Sound-optimised through low-noise axial fan and vibration-isolated compressor. The integrated air circuit with 90° air deflection enables installation in a corner without air ducts or wall installation with air ducts on the air outlet side. (Spectrum of efficiency classes A+++ to D) Heat pump white textured (similar to RAL 9003). Heat pump for heating purposes for indoor installation with integrated heat pump manager WPM Econ5 with touch display.



Technical Data

Order reference	LIK 8TES
Maximum electric power consumption	3.5
cos phi	0,8
Energy efficiency class with $35\text{ }^{\circ}\text{C}$ flow temperature	A++
Seasonal room heating energy efficiency (high temperature)	110
Air duct outlet dimensions	440 x 440
Dimensions of air duct entry	440 x 440
Air outlet	Right
Seasonal space heating energy efficiency in average climate conditions (NT)	151
Energy efficiency class with $55\text{ }^{\circ}\text{C}$ flow temperature	A+
Connection voltage	3/N/PE ~400 V, 50 Hz
Dimensions (W x H x D)**	750 x 1900 x 680 mm
Weight	236 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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System accessories



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Description	Order-ref.	Article-number	Example Piece	Units	Price
Heat pump air monobloc indoor					
Compact air-to-water heat pump for indoor installation.	LIK 8TES	366030	1		
3-way reversing valve DN 25	DWV 25	374770	1		
Domestic hot water cylinder (300l) with temperature sensor	WWSP 335	376760	1		
Accessories hydraulic					
Connecting hose 1" (25 x 4.5 mm)	AS 976	322180	1		
DN 25 double-sphere rubber expansion joint	KOMP 25	362050	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		
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		



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Description	Order-ref.	Article-number	Example Piece	Units	Price
Heat pump heater vertical	WPHKV 1220053	381280	1		
Accessories domestic hot water					
3-way reversing valve DN 25	DWV 25	374770	1		
High-efficiency circulating pump DN 25 with coupling relay	UP 75-25PK	376740	1		
Pump unit DN 25 for direct connection of the domestic hot water cylinder	WPG 25	356030	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		
Domestic hot water cylinder (400 l) with temperature sensor	WWSP 442	372840	1		
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		
Smart RTC+ - intelligent room temperature control	RTM Econ A	367210	1		
Smart RTC+ - intelligent room temperature control	RTM Econ U	367200	1		
Accessories heat source					
Sealing collar 500	DMK 500-1	340260	1		



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Description	Order-ref.	Article-number	Example Piece	Units	Price
90° air duct bend	LKB 500A	366140	1		
Air duct, straight - 500	LKL 500A	364620	1		
Deflector hood	LUH 600	358620	1		
Rain guard for LI(K)	RSG 500	340220	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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