



## Data sheet LIK 8TES

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

Installation location:

Max. flow temperature: 60 °C

Casing colour: White (similar to RAL 9003)

Heat pump for heating purposes for indoor installation with integrated heat pump manager WPM Econ5 with touch display. 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. Sound-optimised through low-noise axial fan and vibration-isolated compressor. High coefficients of performance (COP) using an evaporator optimised for heating operation and energy-efficient defrosting by reverse circulation. 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)
- High-efficiency heat circulating pump (note the free compression)
- Overflow valve and safety module with pressure gauge
- Buffer tank (50 l) with integrated 2 kW heating element

At an external temperature of -10 °C, the maximum flow temperature that can be achieved is 53 °C. Soft starter, integrated flow and return sensors; external sensor (standard NTC-2) and 3 flexible connecting hoses (1", 500 mm) included in the scope of supply. Dirt trap and flow rate switch built in. Heat pump white textured (similar to RAL 9003). (Spectrum of efficiency classes A+++ to D)



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## Technical data

### Dimplex Compact air-to-water heat pump for indoor installation. (Low temperature)

Heat pump code	1013
Max. flow temperature	60 Grad
Lower operating limit heat source (heating operation) / Upper operating limit heat source (heating operation)	-20 Grad / 35 Grad
Heat output A-7/W35 / COP A-7/W35 *	5,3 kW / 2,9
Heat output A2/W35 / COP A2/W35 *	6,6 kW / 3,6
Heat output A7/W35 / COP A7/W35 *	7,7 kW / 4,1
Heat output A10/W35 / COP A10/W35 *	8,2 kW / 4,4
Nominal power consumption according to EN 14511 at A2/W35	1,83 kW
Nominal power consumption A7/W35	1,88 kW
Sound power level	53 dB(A)
Refrigerant / Amount of refrigerant	R410A / 1,9 kg
Max. heating water flow rate / Pressure drop	1,4 m3 pro h / 21500 Pa
Heat source flow (min.)	2800 m3 pro h
Width x Height x Depth **	750 x 1900 x 650 mm
Weight	236 kg
Rated voltage	3/N/PE ~400 V, 50 Hz
Starting current	17 A
Type of defrosting	Reverse circulation
Heat pump seal of approval (valid until)	Yes / 31.05.2021

\*Heat output and coefficient of performance (COP) according to EN 14511

\*\*Please note that additional space is required for pipe connections, operation and maintenance.

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Description	Order ref.	Article number	Sample item	Item
<b>Heat pumps</b>				
Elasticated sound insulation underlay strips	SYL 250	352260	1	
Air-to-water heat pump connection kit	VSF 25	361790	1	
DN 25 double-sphere rubber expansion joint	KOMP 25	362050	0	
Screw-in radiator 4.5 kW 1¼" for LIK 8TES	CEHK 345	366810	0	
<b>Hydraulic accessories</b>				
Connecting hose 1" (25 x 4.5 mm)	AS 976	322180	0	
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-50	362520	0	
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-100	362530	0	
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-150	362540	0	
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-200	362550	0	
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-300	362560	0	
<b>Heating accessories</b>				
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150140	381260	0	
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650100	381220	0	
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150180	381270	0	
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150100	381250	0	
Heat pump heater vertical	WPHKV 1220053	381280	0	
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650140	381230	0	
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650180	381240	0	
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 165080	381210	0	
<b>DHW preparation accessories</b>				



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Description	Order ref.	Article number	Sample item	Item
Domestic hot water cylinder 200l with temperature sensor	WWSP 229	374570	0	
Domestic hot water cylinder (300l) with temperature sensor	WWSP 335	376760	1	
Flange heater for domestic hot water	FLH 60	338060	0	
Flange heater for domestic hot water	FLHU 70	338070	0	
FLH 25M flange heater	FLH 25M	349430	0	
Safety valve combination	SVK 852	326660	0	
Domestic hot water cylinder (400 l) with temperature sensor	WWSP 442	372840	0	
3-way reversing valve DN 25	DWV 25	374770	1	
Actuator for 3-way reversing valves DWV 25 - 50	EMA DWV	374760	1	
Pump unit DN 25 for direct connection of the domestic hot water cylinder	WPG 25	356030	0	
High-efficiency circulating pump DN 25 with coupling relay	UP 75-25PK	376740	0	
<b>Control accessories</b>				
Extension for an Ethernet network connection	NWPM Touch	378800	1	
Expansion module WPM for a KNX/EIB connection	KNX WPM	376350	0	



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Description	Order ref.	Article number	Sample item	Item
Extension for a Modbus RTU connection	LWPM 410	339410	0	
Outside temperature sensor with casing	FG 3115	336620	0	
Temperature sensor NTC-10 with metal sleeve	NTC-10M	363600	0	
<b>Solar thermal systems accessories</b>				
400l solar cylinder for heat pump	WWSP 432 SOL	361080	0	

\* Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.



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