

# Data sheet SIK 8TES

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

Installation location:

Max. flow temperature: 62 °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. Variable connection options for brine and heating connections on the back board of the casing. Sound-optimised through encapsulated compressor housing and free-swinging compressor baseplate. High coefficients of performance (COP) thanks to electronic regulation of the volume flows and optimised heat transfer due to asymmetrical heat exchanger. The integrated control panel can also be used as a wired remote control using the wall mounting set (special accessories for MS PGD). Integrated brine components enable direct connection of the heat source:

- Electronically regulated brine circulating pump (observe the free compression)
- Expansion vessel (8 l)
- Safety valve and pressure gauge
- High-efficiency heat circulating pump (note the free compression)
- Overflow valve and safety module with pressure gauge
- Expansion vessel (24 l)

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):

Thermal energy metering for heating/domestic hot water preparation, soft starter (from SIK 8 upwards), integrated flow and return sensors; external sensor (standard NTC-2), dirt filter and large-capacity breather (1½") with micro air bubble deposition for brine circuit included in the scope of supply. Heat pump white textured (similar to RAL 9003). (Spectrum of efficiency classes A+++ to D)



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## Technical data

### Dimplex Compact brine-to-water heat pump for indoor installation. (Medium temperature)

Heat pump code	4031
Max. flow temperature	62 Grad
Lower operating limit heat source (heating operation) / Upper operating limit heat source (heating operation)	-5 Grad / 25 Grad
Sound power level	42 dB(A)
Refrigerant / Amount of refrigerant	R410A / 1,6 kg
Max. heating water flow rate / Pressure drop	1,4 m3 pro h / 11000 Pa
Heat source flow (min.)	1,5 m3 pro h
Width x Height x Depth **	650 x 1110 x 655 mm
Weight	144 kg
Rated voltage	3/N/PE ~400 V, 50 Hz
Starting current	18 A
Heat pump seal of approval (valid until)	Yes / 18.03.2024

\*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	0	
DN 32 double-sphere rubber expansion joint	KOMP 32	362060	0	
<b>Hydraulic accessories</b>				
Transitional screw connection 1 1/4" internal thread to R 1"	KUP G32	375810	0	
Built-under buffer tank	PSP 100U	378600	1	
Immersion heater 4.5 kW; ~230 V	CTHK 630	363610	0	
Immersion heater 2.0 kW; ~230 V	CTHK 631	336180	0	
Immersion heater 2.9 kW; ~400 V	CTHK 632	335910	0	
Immersion heater 4.5 kW; ~400 V	CTHK 633	322140	0	
Immersion heater 6.0 kW; ~400 V	CTHK 634	322150	0	
Immersion heater 7.5 kW	CTHK 635	322160	0	
Free-standing buffer tank 100 l	PSW 100	351090	0	
Free-standing buffer tank 200 l	PSW 200	339830	0	
Universal buffer tank (500 l)	PSW 500	339210	0	
EB KPV expansion module	EB KPV	348650	0	
Manifold bar DN 25	VTB 25-2	376360	0	
Manifold bar DN 32	VTB 25-3	376370	0	
Domestic hot water module/unmixed heating circuit module	WWM 25	346600	0	
Mixed heating circuit module with temperature sensor	MMH 25	348640	0	
High-efficiency circulating pump DN 25 with coupling relay	UP 75-25PK	376740	0	



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El. cont. circulating pump: Control type $\Delta p$ -c, fixed speed; PWM control optional	UPE 80-25PK	380160	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	
Immersion heater pipe assembly	HDLR 450	337450	0	
<b>Heating accessories</b>				
Fan convector heating with EC fan	SRX 080EM	367500	0	
Fan convector heating with EC fan	SRX 120EM	367510	0	
Fan convector heating with EC fan	SRX 140EM	367520	0	
Fan convector heating with EC fan	SRX 180EM	367530	0	
<b>DHW preparation accessories</b>				
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	



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Description	Order ref.	Article number	Sample item	Item
Safety valve combination	SVK 852	326660	0	
Domestic hot water cylinder (400 l) with temperature sensor	WWSP 442	372840	0	
Combination tank heating and domestic hot water preparation	PWS 332	348620	0	
Pump unit DN 25 for direct connection of the domestic hot water cylinder	WPG 25	356030	1	
3-way reversing valve DN 25	DWV 25	374770	0	
<b>Control accessories</b>				
Extension for an Ethernet network connection	NWPM	356960	1	
Expansion module WPM for a KNX/EIB connection	KNX WPM	376350	0	
Extension for a Modbus RTU connection	LWPM 410	339410	0	
Interface card for HPM for connection of Smart RTC and WPM Econ PK/PKS 14/25 Econ	RWPM	363370	0	
Swimming pool/remote fault indicator relay module	RBG WPM	339700	0	
Remote control for WPM 2006/2007/EconPlus/R	AP PGD	356570	0	
Outside temperature sensor with casing	FG 3115	336620	0	
Temperature sensor NTC-10 with metal sleeve	NTC-10M	363600	0	
<b>Accessories for passive cooling</b>				
Passive cooling station with cooling controller	PKS 14 Econ	362930	0	
<b>Control accessories (cooling)</b>				
Room climate station for temperature and humidity measurement	RKS WPM	342220	0	
Dew point monitor	TPW WPM	350970	0	
<b>Solar thermal systems accessories</b>				
400l solar cylinder for heat pump	WWSP 432 SOL	361080	0	

\* Other specific accessories available / required

Notes:

The heat source accessories are designed for ground heat collectors according to the project planning documentation.



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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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