

Reversible compact air-to-water heat pump with 90° air deflection

Max. flow temperature: 58 °C
 Casing colour: White (similar to RAL 9003)
 Brown-red design screen (RAL 3011)

Heat pump for heating and cooling for indoor installation with integrated WPM 2007 R controller. The control panel is integrated into a brown-red design screen and can also be used as wired remote control using the wall mounting set (special accessories MS PGD). 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. Must not be used for bivalent systems. Compact design with optional domestic hot water preparation and integrated components for direct connection of fan convectors:

- Expansion vessel (24 l)
- Heat circulating pump (free compression 45,000 Pa)
- Overflow valve and safety module
- Buffer tank (50 l) with integrated 2 kW heating element

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.



Technical data

Dimplex Reversible compact air-to-water heat pump with 90° air deflection (Low temperature)

Order reference	LIK 8MER
Casing colour	White (similar to RAL 9003)
Max. flow temperature	58 °C
Lower operating limit heat source (heating operation) / Upper operating limit heat source (heating operation)	-25 to 35 °C
Lower operating limit heat source (cooling operation) / Upper operating limit heat source (cooling operation)	15 to 40 °C
Standard temperature spread heating EN 14511	5,0 K
Heat output with 1 compressor / COP A7/W35*	5,5 kW / 2,6
Heat output 1 compressor / COP A2/W35*	7,4 kW / 3,2
Heat output with 1 compressor / COP A7/W35*	9,2 kW / 3,8
Heat output with 1 compressor / COP A10/W35*	9,7 kW / 4
Standard temperature spread cooling EN 14511	5,0 K
Cooling capacity 1 compressor / COP A35/W7*	6,9 kW / 2
Cooling capacity 1 compressor / COP A27/W18*	9,6 kW / 3,2
Nominal power consumption according to EN 14511 at A2/W35	2,33 kW
Sound power level device	53 dB (A)
Sound pressure level in 1 m (indoors)	48 dB (A)
Refrigerant / Amount of refrigerant	R404A / 3,3 kg
Heat source flow (min.)	2500 m³/h
Max. heating water flow rate / Pressure drop	1,6 m³/h / 11900 Pa
Dimensions (W x H x D)**	750 x 1900 x 680 mm
Weight	250 kg
Connection voltage	1/N/PE ~230 V, 50 Hz
Starting current with soft starter	30 A
Fuse protection	C 20 A
Type of defrosting	Reverse circulation
Connection heating	1 inch

*Heat output and COP according to EN 14511 at A2/W35 (A2 = air intake temp. +2 °C, W35 = heating water outlet temp. +35 °C)

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

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible compact air-to-water heat pump with 90° air deflection	LIK 8MER	352790	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
DN 25 double-sphere rubber expansion joint	KOMP 25	362050			
DN 25 dirt trap	SMF 25	362130			
DN 32 dirt trap	SMF 32	362140			
Heat source accessories					
Long air duct	LKL 500	339710			
Short air duct	LKK 500	339720	1		
90° air duct bend	LKB 500	339730	1		
Installation hardware	VSK 500	341200			
Sealing collar 500	DMK 500-1	340260	1		
Deflector hood	LUH 600	358620			
Rain guard for LI(K)	RSG 500	340220	1		
Heating accessories					
Fan convectors heating 800 W	SRX 080M	359080			
Fan convectors heating 1200 W	SRX 120M	359090			
Fan convectors heating 1400 W	SRX 140M	359100			
Fan convectors heating 1800 W	SRX 180M	359110			
3 kW pipe heater	HCT 300	351210			
DHW preparation accessories					
Domestic hot water cylinder (300 l) with temperature sensor	WWSP 332	346610	1		
FLH 25M flange heater	FLH 25M	349430	1		
Safety valve combination	SVK 852	326660			
Domestic hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Design domestic hot water cylinder with sheet metal coverings and temperature sensor*	WWSP 442E	353370			
400 l solar cylinder for heat pump	WWSP 432 SOL	361080			
Pump unit DN 25 for direct connection of the domestic hot water cylinder	WPG 25	356030	1		
Circulating pump for heating water	UP 60	340300	1		
Control accessories					
Extension for an Ethernet network connection	NWPM	356960			
Extension for a KNX/EIB bus connection	EWPM	356970			
Extension for a Modbus connection	LWPM 410	339410			
Swimming pool/remote fault indicator relay module	RBG WPM	339700			
External temperature sensor with casing	FG 3115	336620			
Temperature sensor NTC-10 with metal sleeve	NTC-10M	363600			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate station for temperature and humidity measurement	RKS WPM	342220	1		
Room temperature controller heating/cooling*	RTK 601U	355610			
Room temperature controller heating/cooling	RTK 602U	355620			
Dew point monitor*	TPW WPM	350970			

* 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.