

Data sheet HPL 6S-TURW



Reversible air-to-water heat pump for outdoor installation. Incl. domestic hot water preparation.

Installation location:

Max. flow temperature: 60 °C

Heat pump system for heating and cooling with integrated heat pump manager WPM with touch display, consisting of a Hydro-tower HWK 332 and air-to-water heat pump for outdoor installation.

Heat pump

- Extremely quiet thanks to sound-optimised casing and sound-insulated compressor housing
- High efficiency thanks to high-performance evaporator, EC fan and COP booster
- Integration of intelligent room temperature controllers (Smart RTC) enables a further increase in system efficiency
- Flexible expansion options via 2 mixer outputs for bivalent operation and/or the control of mixed heating circuits
- Use of load-variable tariffs (SG Ready)
- Side parts and cover anthracite grey textured (similar to RAL 7016), front panels grey aluminium textured (similar to RAL 9007).
- Minimal installation effort thanks to the space-optimised combination of buffer tank and domestic hot water cylinder
- Simple commissioning with integrated heat pump manager and optimally coordinated hydraulic components
- Demand-based supplementary heating via switchable pipe heater (2/4/6 kW)
- Drinking water cylinder with 300 l and buffer cylinder with 100 l capacity

Hydro-tower

Electronically controlled circulating pumps for the generator, heating water circuit and domestic hot water preparation, energy efficiency $EEL \leq 0.20$; heating water circuit free compression of 60000 Pa at a heating water flow rate of 1.15 m³/h. The electrical connection between the heat pump and the Hydro-tower takes place via a shielded 2-wire data cable (e.g. LiYY; cross-section 0.6 mm²) not included in the scope of supply Standard integrated heating flange with



Glen Dimplex Thermal Solutions T: + 49 9221 709-100
(Glen Dimplex Deutschland GmbH) F: + 49 9221 709-339
Am Goldenen Feld 18 dimplex@dimplex.de
D-95326 Kulmbach www.dimplex.de

Glen Dimplex Austria GmbH T: + 43 6214 20330
Hauptstraße 71 F: + 43 6214 203304
A-5302 Henndorf am Wallersee info@dimplex.at
www.dimplex.at

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1.5 kW output to support domestic hot water preparation. Silent cooling via panel heating/cooling systems requires the use of the room temperature controller with humidity sensor (RTM Econ) and a mixed heating circuit to regulate the flow temperature on the basis of the air temperature and humidity of a reference room.



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Technical data

Dimplex Reversible air-to-water heat pump for outdoor installation. Incl. domestic hot water preparation. (Low temperature)

Max. flow temperature	60 Grad
Lower operating limit heat source (heating operation) / Upper operating limit heat source (heating operation)	-22 Grad / 35 Grad
Heat output A-7/W35 / COP A-7/W35 *	4,0 kW / 2,9
Heat output max. A-7/W35 / COP A-7/W35 *	4,0 kW / 2,9
Heat output A2/W35 / COP A2/W35 *	5,1 kW / 3,8
Heat output max. A2/W35 / COP A2/W35 *	5,1 kW / 3,8
Heat output A7/W35 / COP A7/W35 *	6,4 kW / 4,6
COP A-7/W35 *	2,9
Nominal power consumption A7/W35	1,4 kW
Sound power level	52 dB(A)
Sound pressure level in 10 m	28 dB(A)
Refrigerant / Amount of refrigerant	R410A / 3,4 kg
Max. heating water flow rate / Pressure drop	1,15 m3 pro h / 12000 Pa
Width x Height x Depth **	1350 x 945 x 600 mm
Weight	390 kg
Rated voltage	3/N/PE ~400 V, 50 Hz
Starting current	28 A
Type of defrosting	Reverse circulation
Heat pump seal of approval (valid until)	Yes / 12.12.2020

*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
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* 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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