

# Data sheet HPL 6S-TUW2

## High efficiency air-to-water heat pump for outdoor installation incl. domestic hot water preparation.

Installation location:

Max. flow temperature: 60 °C

Heat pump for heating purposes system with integrated heat pump manager WPM Econ5 with touch display, comprising a Hydro-tower HWK230 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

Hydro-tower

Electronically controlled circulating pump for the generator, heating circuit, energy efficiency  $EEL \leq 0.20$ ; heating circuit free compression 40200 Pa at 1.15 m<sup>3</sup>/h. 3-way reversing valve for switching to domestic hot water preparation integrated and fully wired. Standard integrated heating flange with 1.5 kW output to support domestic hot water preparation. Demand-based supplementary heating via pipe heater 2 kW 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 mm<sup>2</sup>) not included in the scope of supply

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

# HPL 6S-TUW2

## Technical data

### Dimplex High efficiency 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	53 dB(A)
Sound pressure level in 10 m	25 dB(A)
Refrigerant / Amount of refrigerant	R410A / 3,4 kg
Max. heating water flow rate / Pressure drop	1,15 m <sup>3</sup> 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
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.

\*\*\*

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

# HPL 6S-TUW2

Description	Order ref.	Article number	Sample item	Item
<b>Heat pumps</b>				
Air-to-water heat pump connection kit	VSF 25	361790	0	
Pipe assembly for LA 6S-TU air-to-water heat pumps	RBS 6SU	375840	0	
Transport aid for Hydro-Tower / LAW indoor unit	TH 270	370430	0	
<b>Hydraulic accessories</b>				
Connecting hose 1" (25 x 4.5 mm)	AS 976	322180	0	
El. cont. circulating pump: Control type $\Delta p$ -c, fixed speed; PWM control optional	UPE 80-25PK	380160	0	
Manifold bar DN 25	VTB 25-2	376360	0	
Domestic hot water module/unmixed heating circuit module	WWM 25	346600	0	
Mixed heating circuit module with temperature sensor	MMH 25	348640	0	
Electronically controlled wet-running pump, $\Delta p$ -v, fixed speed and PWM signal	UPE 70-25PK	374700	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>				
FLH 25M flange heater	FLH 25M	349430	0	
Flange heater for domestic hot water	FLH 60	338060	0	

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

# Data sheet HPL 6S-TUW2

Description	Order ref.	Article number	Sample item	Item
Flange heater for domestic hot water	FLHU 70	338070	0	
Safety valve combination	SVK 852	326660	0	
<b>Control accessories</b>				
Extension for an Ethernet network connection	NWPM	356960	0	
Expansion module WPM for a KNX/EIB connection	KNX WPM	376350	0	
Extension for a Modbus RTU connection	LWPM 410	339410	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	

\* 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.

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