

## Data sheet HPL 9S-TURW



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

Installation location:

Max. flow temperature: 60 °C

Casing colour: light grey

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

- Simple hydraulic connection via the flexible connection kit (VS 32-220) provided
- 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
- 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
- Drinking water cylinder with 300 l and buffer cylinder with 100 l capacity
- Demand-based supplementary heating via switchable pipe heater (2/4/6 kW)

Hydro-tower

Standard integrated heating flange with 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. The electrical connection between the control to be mounted in the building and the outdoor unit takes



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 9S-TURW

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.

Heat circuit circulating pump free compression 5 m at a heating water flow rate of 1.5 m<sup>3</sup>/h. Energy efficiency index EEI ≤ 0.20.



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 9S-TURW

## Technical data

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

|   |                        |
|---|------------------------|
| Heat pump code  | 5011                   |
| 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 *   | 5,5 kW / 3,3           |
| Heat output max. A-7/W35 / COP A-7/W35 *  | 5,5 kW / 3,3           |
| Heat output A2/W35 / COP A2/W35 *   | 7,2 kW / 4,3           |
| Heat output max. A2/W35 / COP A2/W35 *  | 7,2 kW / 4,3           |
| Heat output A7/W35 / COP A7/W35 *   | 8,4 kW / 4,9           |
| Heat output max. A7/W35 / COP A-7/W35 *   | 8,4 kW / 3,3           |
| Heat output A10/W35 / COP A10/W35 *   | 8,9 kW / 5,3           |
| Nominal power consumption according to EN 14511 at A2/W35   | 1,7 kW                 |
| Nominal power consumption A7/W35  | 1,71 kW                |
| Sound power level   | 53 dB(A)               |
| Sound pressure level in 10 m  | 25 dB(A)               |
| Refrigerant / Amount of refrigerant   | R410A / 3,9 kg         |
| Max. heating water flow rate / Pressure drop  | 1,5 m3 pro h / 9900 Pa |
| Heat source flow (min.)   | 2100 m3 pro h          |
| Width x Height x Depth **   | 910 x 1650 x 750 mm    |
| Weight  | 430 kg                 |
| Rated voltage   | 3/N/PE ~400 V, 50 Hz   |
| Starting current  | 21 A                   |
| Fuse protection HP with separate infeed ***   | C 10 A                 |
| Type of defrosting  | Reverse circulation    |

\*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 9S-TURW

| Description   | Order ref.  | Article number | Sample item | Item |
|---|-------------|----------------|-------------|------|
| <b>Heat pumps</b>   |             |                |             |      |
| Weather-proof protective cover LA...S-TU  | WSH 18-2    | 379550         | 0           |      |
| Bottom console for LA ...S-TU(R) heat pumps   | BKS 0918    | 379640         | 0           |      |
| <b>Hydraulic accessories</b>  |             |                |             |      |
| Connection hose 1¼" (32 x 5.5 mm)   | AS 976-1    | 330530         | 0           |      |
| 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           |      |
| 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           |      |
| El. cont. circulating pump: Control type $\Delta p$ -c, fixed speed; PWM control optional | UPE 80-25PK | 380160         | 0           |      |
| 3-way reversing valve DN 25   | DWV 25      | 374770         | 0           |      |
| Mixer module for bivalent systems   | MMB 25      | 348880         | 0           |      |
| DN 25 double-sphere rubber expansion joint  | KOMP 25     | 362050         | 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           |      |



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 9S-TURW

| Description   | Order ref.    | Article number | Sample item | Item |
|---|---------------|----------------|-------------|------|
| 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>                      |               |                |             |      |
| 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           |      |
| <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           |      |
| 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           |      |

\* Other specific accessories available / required



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

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.

## HPL 9S-TURW



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