

# LA 35TBS

## Data sheet

Experience Better Living.

### High temperature air-to-water heat pump for outdoor installation.

Side parts and cover anthracite grey textured (similar to RAL 7016), front panels grey aluminium textured (similar to RAL 9007). Use of load-variable tariffs Heat pump for heating purposes with two performance levels for increased efficiency in partial load operation for outdoor installation and wall-mounted heat pump manager WPM Touch with touch display. High operational reliability through sensor monitoring of the refrigeration circuit with demand-based defrosting via reverse circulation and integrated thermal energy metering (display of the calculated quantity of thermal energy for heating, domestic hot water and swimming pool water preparation on the heat pump manager). High coefficients of performance (COP) through high-performance evaporator and EC fan for COP-optimised adaptation of the air volume flow. Sound-optimised through flow-optimised, tapering casing with encapsulated compressor housing, axial fan for low natural sounding noise and free-swinging compressor baseplate for solid-borne sound insulation. The electrical connection between the control to be mounted in the building and the outdoor unit 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. FWO function for more efficient domestic hot water preparation with increased domestic hot water temperatures and volumes of water to be drawn through optimised tank charging. Dirt trap and flow rate switch built in. At an external temperature of -10 °C, the maximum flow temperature that can be achieved is 55 °C. Bivalent or bivalent-renewable operating mode Flow and return sensor integrated, external sensor (standard NTC-2) in the scope of supply. Universal design with optional domestic hot water preparation and flexible expansion possibilities for: Distribution systems with unmixed and mixed heating circuits



### Technical Data

Order reference	LA 35TBS
Starting current	30
Maximum electric power consumption	12.5
cos phi	0,8
Connection voltage	3/N/PE ~400 V, 50 Hz
Dimensions (W x H x D)**	1070 x 1815 x 765 mm
Weight	324 kg

\* Heating and cooling capacity and coefficients of performance (COP/EER) in accordance with EN 14511

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

\*\*\* The fuse protection must be designed as an all-pole disconnecting device (common disconnection of all phases)!



**Glen Dimplex Deutschland GmbH**  
Geschäftsbereich  
Heating & Ventilation / Dimplex  
Am Goldenen Feld 18  
D-95326 Kulmbach

T + 49 9221 709 -101  
F + 49 9221 709 -339  
info@dimplex.de  
www.dimplex.de

17.04.2024

# LA 35TBS

## System accessories



Experience Better Living.

Description	Order-ref.	Article-number	Example Piece	Units	Price
<b>Heat pump air monobloc outdoor</b>					
High temperature air-to-water heat pump for outdoor installation.	LA 35TBS	378460	1		
Hydraulic tower 300 litres	HPK 300	371600	1		
Domestic hot water module for hydraulic tower HPK 300	WWM HPK	371790	1		
Domestic hot water cylinder (500l) with temperature sensor	WWSP 556	370080	1		
<b>Accessories hydraulic</b>					
Dual differential pressureless manifold	DDV 40	367720	1		
3-way ball valve DN 32	DWK 32	364690	1		
Hydraulic tower 300 litres	HPK 300	371600	1		
DN 32 double-sphere rubber expansion joint	KOMP 32	362060	1		
Mixer module for bivalent systems	MMB 32	367780	1		
Mixed heating circuit module	MMH 32	367790	1		
Free-standing buffer tank 200 l	PSW 200	339830	1		
Universal buffer tank (500 l)	PSW 500	339210	1		
Electronically controlled wet-running pump, self-regulating	UPE 100-32K	374730	1		
Electronically controlled wet-running pump, self-regulating	UPE 120-32K	374740	1		
El. cont. circulating pump: Control type $\Delta p$ -c, fixed speed, PWM control optional	UPE 80-32PK	380170	1		
High-efficiency circulating pump DN 32 with coupling relay	UPH 90-32	370420	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-100	362530	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-150	362540	1		



**Glen Dimplex Deutschland GmbH**  
 Geschäftsbereich  
 Heating & Ventilation / Dimplex  
 Am Goldenen Feld 18  
 D-95326 Kulmbach

T + 49 9221 709 -101  
 F + 49 9221 709 -339  
 info@dimplex.de  
 www.dimplex.de

17.04.2024

WEEE-Reg-Nr. DE 26295273

# LA 35TBS

## System accessories



Experience Better Living.

Description	Order-ref.	Article-number	Example Piece	Units	Price
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-200	362550	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-300	362560	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-50	362520	1		
Manifold bar DN 32	VTB 32-2	374920	1		
Manifold bar DN 32	VTB 32-3	374930	1		
Domestic hot water module/unmixed heating circuit module	WWM 32	367800	1		
<b>Accessories for heating</b>					
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650100	381220	1		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650140	381230	1		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650180	381240	1		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 165080	381210	1		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150100	381250	1		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150140	381260	1		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150180	381270	1		
Heat pump heater vertical	WPHKV 1220053	381280	1		
<b>Accessories domestic hot water</b>					
Flow rate measurement for central domestic hot water heater	DFM 1988-400	379110	1		
Flow rate measurement for central domestic hot water heater	DFM 1988-500	377650	1		
Flow rate measurement for central domestic hot water heater	DFM 1988-700	379150	1		
3-way reversing valve DN 32	DWV 32	374780	1		



**Glen Dimplex Deutschland GmbH**  
Geschäftsbereich  
Heating & Ventilation / Dimplex  
Am Goldenen Feld 18  
D-95326 Kulmbach

T + 49 9221 709 -101  
F + 49 9221 709 -339  
info@dimplex.de  
www.dimplex.de

17.04.2024

WEEE-Reg-Nr. DE 26295273

# LA 35TBS

## System accessories



Experience Better Living.

Description	Order-ref.	Article-number	Example Piece	Units	Price
High-efficiency circulating pump DN 32 with coupling relay	UPH 90-32	370420	1		
Pump unit DN 32 for direct connection of the domestic hot water cylinder	WPG 32	356040	1		
Domestic hot water cylinder (400 l) with temperature sensor	WWSP 442	372840	1		
Domestic hot water cylinder (500l) with temperature sensor	WWSP 556	370080	1		
Domestic hot water cylinder, 700 litres	WWSP 770	376730	1		
<b>Accessories solar</b>					
400l solar cylinder for heat pump	WWSP 432 SOL	361080	1		
500 l solar cylinder for heat pump	WWSP 540 SOL	361090	1		
<b>Accessories controls</b>					
Outside temperature sensor with casing	FG 3115	336620	1		
Expansion module WPM for a KNX/EIB connection	KNX WPM	376350	1		
Extension for a Modbus RTU connection	LWPM 410	339410	1		
Temperature sensor NTC-10 with metal sleeve	NTC-10M	363600	1		
Extension for an Ethernet network connection	NWPM Touch	378800	1		
Smart RTC+ - intelligent room temperature control	RTM Econ A	367210	1		
Smart RTC+ - intelligent room temperature control	RTM Econ U	367200	1		
Expansion module for the WPM Touch	WPM Touch +2	378920	1		



**Glen Dimplex Deutschland GmbH**  
 Geschäftsbereich  
 Heating & Ventilation / Dimplex  
 Am Goldenen Feld 18  
 D-95326 Kulmbach

T + 49 9221 709 -101  
 F + 49 9221 709 -339  
 info@dimplex.de  
 www.dimplex.de

17.04.2024

WEEE-Reg-Nr. DE 26295273

# LA 35TBS

## System accessories



Experience Better Living.

Description	Order-ref.	Article-number	Example Piece	Units	Price
Heat pump manager incl. software adaptation for use as a master controller	WPM Touch Master	379130	1		

\* Additional specific accessories available/required

### Important notice

The combination of components and the specified quantities represent a non-binding example system that must be reviewed and, if necessary, adjusted individually. The pumpsizing needs to be checked according to the system's pressure loss and the minimum heating water flow rate of the heat pump.



**Glen Dimplex Deutschland GmbH**  
Geschäftsbereich  
Heating & Ventilation / Dimplex  
Am Goldenen Feld 18  
D-95326 Kulmbach

T + 49 9221 709 -101  
F + 49 9221 709 -339  
info@dimplex.de  
www.dimplex.de

17.04.2024

WEEE-Reg-Nr. DE 26295273