

LA 3860

Data sheet

Experience Better Living.

Standard integration diagram air-to-water heat pump for outdoor installation

At an external temperature of $-10\text{ }^{\circ}\text{C}$, the maximum flow temperature that can be achieved is $58\text{ }^{\circ}\text{C}$. Top part anthracite grey textured (similar to RAL 7016), bottom part grey aluminium textured (similar to RAL 9007). Use of load-variable tariffs (SG Ready) 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. Dirt trap and flow rate switch built in. Can be easily transported with a lift truck (accessible from underneath) or lifting lugs. Access for service work on the outlet side, the minimum clearances must be observed for installation close to walls. Universal design with flexible expansion options for: Unmixed and mixed heating and cooling circuit High coefficients of performance (COP) through high-performance evaporator and compliance with the requirements of EN 14511 for larger volume flows on the heat consumption side. Sound-optimised by electronically controlled fans and an encapsulated compressor housing with free-swinging compressor baseplate for solid-borne sound insulation. High operational safety through sensor monitoring of the refrigeration circuit with demand-based defrosting, integrated thermal energy metering (display of the calculated quantity of thermal energy for heating and domestic hot water preparation on the heat pump manager). Flow and return sensor integrated, external sensor (standard NTC-2) in the scope of supply. Bivalent or bivalent-renewable operating mode



Technical Data

Order reference	LA 3860
Starting current	60
Maximum electric power consumption	26.4
cos phi	0,8
Connection voltage	3/N/PE ~400 V, 50 Hz
Dimensions (W x H x D)**	1900 x 2300 x 1060 mm
Weight	870 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 3860

System accessories



Experience Better Living.

Description	Order-ref.	Article-number	Example Piece	Units	Price
Heat pump air monobloc outdoor					
Standard integration diagram air-to-water heat pump for outdoor installation	LA 3860	381870	1		
3-way reversing valve DN 50	DWV 50	374800	1		
Domestic hot water cylinder, 700 litres	WWSP 770	376730	1		
Accessories hydraulic					
Dual differential pressureless manifold	DDV 50	364240	1		
3-way ball valve DN 50	DWK 50	364710	1		
DN 50 double-sphere rubber expansion joint	KOMP 50	362080	1		
Mixed heating circuit module with temperature sensor	MMH 50	364260	1		
Universal buffer tank (500 l)	PSW 500	339210	1		
Electronically controlled wet-running pump, self-regulating	UPE 120-32K	374740	1		
Electronically controlled circulating pump with coupling relay	UPH 80-40F	371800	1		
Manifold bar for DN 50 modules	VTB 50	367730	1		
Domestic hot water module/unmixed heating circuit module	WWM 50	364250	1		
Accessories for heating					
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		



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 3860

System accessories



Experience Better Living.

Description	Order-ref.	Article-number	Example Piece	Units	Price
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		
Accessories domestic hot water					
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 50	DWV 50	374800	1		
Pump unit DN 32 for direct connection of the domestic hot water cylinder	WPG 32	356040	1		
Domestic hot water cylinder (500l) with temperature sensor	WWSP 556	370080	1		
Domestic hot water cylinder, 700 litres	WWSP 770	376730	1		
Accessories solar					
400l solar cylinder for heat pump	WWSP 432 SOL	361080	1		
500 l solar cylinder for heat pump	WWSP 540 SOL	361090	1		
Accessories controls					
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		



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 3860

System accessories



Experience Better Living.

Description	Order-ref.	Article-number	Example Piece	Units	Price
Smart RTC+ - intelligent room temperature control	RTM Econ U	367200	1		
Expansion module for the WPM Touch	WPM Touch +2	378920	1		
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