

LA 1118CP

Data sheet



Experience Better Living.

Reversible 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). Heat pump for heating and cooling with inverter control for outdoor installation with wall-mounted WPM Touch heat pump manager with touch display. High coefficient of performance (COP) due to high performance evaporator, electronic expansion valve, EC fan for adjustment of air volume flow, self-optimising output control and natural refrigerant R290. Maximum operational safety due to sensor monitoring of refrigerant circuit with self-optimising defrosting, the sophisticated safety concept with minimal distances (1 metre) for use of the natural refrigerant R290 provides additional safety. The integrated flow rate sensor and thermal energy metering for displaying the calculated quantity of thermal energy for heating and domestic hot water preparation on the heat pump manager round off the operational safety package. Quick and easy installation thanks to installation close to walls with a minimum distance of 0.3 m to the wall on the intake side, a casing concept optimised for outdoor installation and the option of connecting the heat pump from underneath and behind. At an outside temperature of -10 °C, the maximum flow temperature that can be achieved is 65 °C. Use of load-variable tariffs (SG Ready) Dirt trap and sensor flow rate measurement integrated to safeguard the minimum heating water flow rate. Sound-optimised through flow-optimised air circuit with encapsulated compressor housing, axial fan for low natural sounding noise and free-swinging compressor baseplate for solid-borne sound insulation. 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 place via a shielded 2-wire data cable (e.g. LiYY, cross-section 0.6 mm²) not included in the scope of supply. Room temperature control via Smart RTC (special accessory) Bivalent or bivalent-renewable operating mode Flow and return sensor integrated, external sensor (standard NTC-2) in the scope of supply. Unmixed and mixed heating and cooling circuit Universal design with flexible expansion options for:



Technical Data

Order reference	LA 1118CP
Vorlauftemperatur Heizen / Toleranz	65 °C +-2
Untere Obere Einsatzgrenze Heizen	-22 / 35 °C
Heizwasserdurchsatz Druckverlust (EN14511)	0.95 m ³ /h / 18000 Pa
Schalldruckpegel in 10 m / abgesenkt	21 / 20 dB(A)
Kaltemittel Kaltemittelmenge	R290 / 1.3 kg
Maximum electric power consumption	5.6
Heizleistung max. / COP A7/W35	11.15 kW / 2.9
Heizleistung / COP A7/W35	5.4 kW / 5.6



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 1118CP

Data sheet



Experience Better Living.

Order reference	LA 1118CP
Heizleistung max. / COP A2/W35	9.45 kW / 4.3
Heizleistung COP A2 W35	5.6 kW / 4.3
Heizleistung / COP A-7/W35	11.2 kW / 2.9
Connection voltage	3/N/PE ~400 V, 50 Hz
Dimensions (W x H x D)**	1418 x 1107 x 598 mm
Weight	243 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

WEEE-Reg-Nr. DE 26295273

LA 1118CP

System accessories

Dimplex®

Experience Better Living.

Description	Order-ref.	Article-number	Example Piece	Units	Price
Heat pump air monobloc outdoor					
Reversible air-to-water heat pump for outdoor installation.	LA 1118CP	380800	1		
Air-to-water heat pump connection kit	VS 32-220	372950	0		
	BK SE	382480	1		
	BKS 1115	382450	0		
	IBB 1118CP	382120	1		
Wall connection kit for LA 1118CP and LA 1525CP	SWA 1115	382860	0		
Accessories hydraulic					
Free-standing buffer tank 200 l	PSW 200	339830	1		
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	2		
Universal buffer tank (500 l)	PSW 500	339210	0		
RWT 500 finned tube heat exchanger	RWT 500	339840	0		
Dual differential pressureless manifold	DDV 25	358390	1		
High-efficiency circulating pump DN 25 with coupling relay	UP 75-25PK	376740	1		
High-efficiency circulating pump DN 25 with coupling relay	UPH 90-25	370410	0		
Manifold bar DN 25	VTB 25-2	376360	0		



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 1118CP

System accessories

Dimplex®

Experience Better Living.

Description	Order-ref.	Article-number	Example Piece	Units	Price
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	1		
Mixer module for bivalent systems	MMB 25	348880	0		
EI. cont. circulating pump: Control type Δp-c, fixed speed, PWM control optional	UPE 80-25PK	380160	1		
Electronically controlled wet-running pump, self-regulating	UPE 100-25K	374720	0		
3-way ball valve DN 25	DWK 25	364680	0		
Actuator for 3-way ball valves DWK 25 - 50	EMA DWK	374750	0		
DN 25 double-sphere rubber expansion joint	KOMP 25	362050	0		
Dual differential pressureless manifold	DDV 32	348450	0		
High-efficiency circulating pump DN 32 with coupling relay	UP 75-32PK	376750	0		
High-efficiency circulating pump DN 32 with coupling relay	UPH 90-32	370420	0		
Manifold bar DN 32	VTB 32-2	374920	0		
Manifold bar DN 32	VTB 32-3	374930	0		
Domestic hot water module/unmixed heating circuit module	WWM 32	367800	0		
Mixed heating circuit module	MMH 32	367790	0		
Mixer module for bivalent systems	MMB 32	367780	0		
EI. cont. circulating pump: Control type Δp-c, fixed speed, PWM control optional	UPE 80-32PK	380170	0		
Electronically controlled wet-running pump, self-regulating	UPE 100-32K	374730	0		
Electronically controlled wet-running pump, self-regulating	UPE 120-32K	374740	0		



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 1118CP

System accessories

Dimplex®

Experience Better Living.

Description	Order-ref.	Article-number	Example Piece	Units	Price
3-way ball valve DN 32	DWK 32	364690	0		
DN 32 double-sphere rubber expansion joint	KOMP 32	362060	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		
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		
Accessories for heating					
Heat pump heater heating/pассив cooling, depth 16.5 cm	WPHK 165080	381210	0		
Heat pump heater heating/pассив cooling, depth 16.5 cm	WPHK 1650100	381220	0		
Heat pump heater heating/pассив cooling, depth 16.5 cm	WPHK 1650140	381230	0		
Heat pump heater heating/pассив cooling, depth 16.5 cm	WPHK 1650180	381240	0		
Heat pump heater heating/pассив cooling, depth 21.5 cm	WPHK 2150100	381250	0		
Heat pump heater heating/pассив cooling, depth 21.5 cm	WPHK 2150140	381260	0		
Heat pump heater heating/pассив cooling, depth 21.5 cm	WPHK 2150180	381270	0		
Heat pump heater vertical	WPHKV 1220053	381280	0		
Accessories domestic hot water					
Domestic hot water cylinder (300l) with temperature sensor	WWSP 335	376760	1		
Flange heater for domestic hot water	FLH 60	338060	1		
Domestic hot water cylinder (400 l) with temperature sensor	WWSP 442	372840	0		



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 1118CP

System accessories

Dimplex®

Experience Better Living.

Description	Order-ref.	Article-number	Example Piece	Units	Price
Domestic hot water cylinder (500l) with temperature sensor	WWSP 556	370080	0		
Hydro Tower without regulation	HWK 332	362360	0		
Combination tank heating and domestic hot water preparation	PWS 332	348620	0		
Flow rate measurement for central domestic hot water heater	DFM 1988-400	379110	0		
Flow rate measurement for central domestic hot water heater	DFM 1988-500	377650	0		
Domestic hot water module/unmixed heating circuit module	WWM 25	346600	0		
Pump unit DN 25 for direct connection of the domestic hot water cylinder	WPG 25	356030	0		
High-efficiency circulating pump DN 25 with coupling relay	UP 75-25PK	376740	0		
High-efficiency circulating pump DN 25 with coupling relay	UPH 90-25	370410	0		
Domestic hot water module/unmixed heating circuit module	WWM 32	367800	0		
Pump unit DN 32 for direct connection of the domestic hot water cylinder	WPG 32	356040	0		
High-efficiency circulating pump DN 32 with coupling relay	UP 75-32PK	376750	0		
High-efficiency circulating pump DN 32 with coupling relay	UPH 90-32	370420	0		
3-way reversing valve DN 25	DWV 25	374770	1		
Actuator for 3-way reversing valves DWV 25 - 50	EMA DWV	374760	1		
3-way reversing valve DN 32	DWV 32	374780	0		
Accessories solar					
400l solar cylinder for heat pump	WWSP 432 SOL	361080	0		
500 l solar cylinder for heat pump	WWSP 540 SOL	361090	0		
Accessories controls					



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 1118CP

System accessories



Experience Better Living.

Description	Order-ref.	Article-number	Example Piece	Units	Price
Expansion module for the WPM Touch	WPM Touch +2	378920	0		
Heat pump manager incl. software adaptation for use as a master controller	WPM Touch Master	379130	0		
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		
Smart RTC+ - intelligent room temperature control	RTM Econ A	367210	0		
Smart RTC+ - intelligent room temperature control	RTM Econ U	367200	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