

SHERPA SHW

Heat pump water heater

PHASE
OUT



COP > 2,6*

DHW a 65°C

Energy class:

A

2 VERSIONS:

- SHERPA SHW 200

Standard that envisions the heat pump and the electric heating element with 200 l tank

- SHERPA SHW 300S

With auxiliary coil for use combined with panels with 300 l tank



PHOTOVOLTAIC INTEGRATION

Contact for integration with photovoltaic plant, which forces switch-on and raises the machine set-point. The energy produced by the photovoltaic system is stored to lower the DHW production costs and maximise the energy saving.



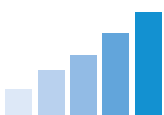
MANAGEMENT OF SOLAR ENERGY

Compatible with the solar thermal system: the unit can work with a second energy source such as solar panels.



SMART CONTROL

The effective heat pump set is adjusted by a climatic curve, so that in the case of hot air withdrawn from the outside (over 25°C with water at 65°C, over 35°C with water at 55°C), high pressure alarms are prevented. The electric heating element automatically integrates the temperature of the tank at the desired set whenever the effective set is adjusted by the climatic curve.



HIGH EFFICIENCY

High efficiency compressor with R134a refrigerant.



DHW PRODUCTION TO -10°C

Production of DHW in heat pump mode with air temperature up to -10°C.

* Values obtained with outdoor air temperature 7°C and relative humidity 87%, inlet water temperature 10 °C and temperature set 55°C (EN 16147).

FEATURES

Work range in heat pump mode with air temperature from -10°C to 43 C°.

Carbon steel tank with double layer vitrification.

Anti-corrosion magnesium anode to ensure duration of the tank.

Condenser wound externally on the boiler free from deposits and gas-water contamination.

Thick expanded polyurethane (PU) heat insulation.

Plastic outer coating.

Acoustically insulated plastic upper lid.

High efficiency compressor with R134a refrigerant.

High and low pressure gas safety devices.

Electric heating element available in the come back-up unit (with integrated thermostat with safety device at 90°C), which ensures hot water at constant temperature also in extreme winter conditions.

ON-OFF contact to start the unit from an external switch.

Weekly disinfecting cycle.

Possibility of managing the domestic hot water circulation or solar integration (presence of a dedicated temperature probe, flow meter inlet and command for an outdoor pump).

Electronic expansion valve for prompt control.

Insulation: rigid polyurethane with thickness of 45 mm. Plastic outer coating.

Electronic thermostatic valve.

SHERPA SHW 300S



SHERPA SHW 200



SHERPA SHW

CODE		PHASE OUT	PHASE OUT
		SHW 200	SHW 300S
Tank rated capacity	l	200	300
COP*		2,6	2,6
Energy class		A	A
Minimum air temperature	°C	-10	-10
Maximum air temperature	°C	43	43
Sound power	db(A)	59	59
Average electric consumption	kW	0,56	0,56
Maximum quantity of hot water at 40°C*	l	235	315
Water flow rate maximum operating pressure	Mpa	1	1
Voltage	V/W	220-240	220-240
Electric heating element output	W	1200	1200
Heat output	W	1870	1870
Standard air flow rate	m³/h	450	450
Minimum volume of the place of installation	m³	20	20
Empty weight	kg	112	137
Protection rating	IP	IPX1	IPX1
Insulation thickness	mm	45	45
Maximum temperature of the storage room	°C	43	43
Minimum temperature of the storage room	°C	-10	-10
Exchange surface of the solar thermal coil (lower)	m²	-	1,20
Static pressure available	Pa	60	60
Load Profile		L	L

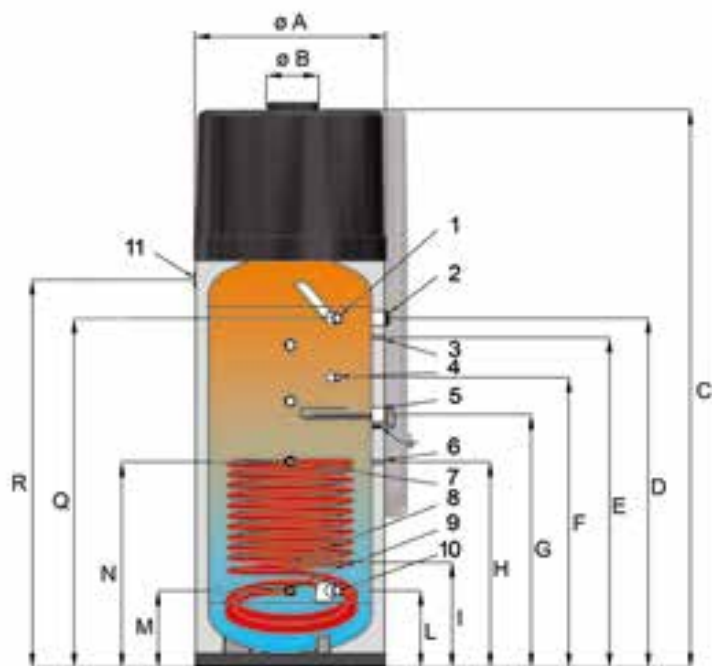
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ACCESSORIES

B0841 T°F flow meter kit

B0842 Temperature probe kit





N°	TYPE OF ATTACHMENT	200 - 300
1.	Hot water flow	1"
2.	Anode	1 1/4"
3.	Tank upper temperature probe	∅ 10
4.	Recirculation	1/2"
5.	Electric heating element	1 1/4"
6.	Tank lower temperature probe	∅ 10
7.	Solar energy flow	1"
8.	Tank temperature auxiliary probe	∅ 10
9.	Solar energy return	1"
10.	Domestic cold water inlet	1"
11.	Condensate drain	∅ 16

Model	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R
200	654	177	1638	1007	862	742	742	567	-	257	257	692	877	927	927	1063
300	654	177	1888	1177	1112	977	852	692	352	257	257	692	897	1087	1177	1313

SAFETY DISTANCES

