



VOLTA
HEAT PUMPS

W-S R290 6/10/16kW Ground Source Heat Pump Brine to Water

KEY FEATURES

- Inverter technology and Scroll compressor
- Ability to modulate thermal power (15-100%) and the speed of the production circulator (20-100%)
- Compact installations: circulation pumps, safety valves and expansion vessels of the primary and secondary circuits inbuilt. 3-way valve for DHW production integrated
- Active cooling inbuilt (VOLTA W-S-A and W-S-F R290)
Passive cooling inbuilt (VOLTA W-S-P and W-S-F R290)
- Integrated energy meters
- R290 as natural refrigerant, environmentally friendly, low GWP of 3
- Superheater option available on 10kW and 16kW models
- Ground source or hybrid collection systems: management of modulating air source units
- Internet connection and remote control
- Hybridisation with photovoltaic energy

POWER

1-6kW
2-10kW
4-16kW

MODULATION

INVERTER

WATER



75°C

POWER SUPPLY



Single Phase
Three Phase

DIMENSIONS

H 1060mm
W 600mm
D 710mm

WEIGHT

133kg

SOURCE



Ground



Water



Air



Hybrid

SERVICES



DHW



Heating



Active/Passive
Cooling



Pool



Photovoltaic



Internet

RANGE

VOLTA W-S 6 R290 1P

1-6kW

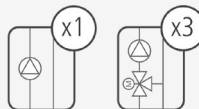
VOLTA W-S 10 R290 1/3P

2-10kW

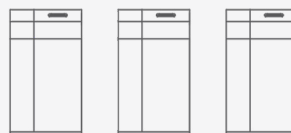
VOLTA W-S 16 R290 1/3P

4-16kW

PRODUCTION MANAGEMENT



CASCADE





- Inverter technology
- Power ranges: 1-6 kW / 2-10 kW / 4-16 kW
- Domestic hot water production with external tank
- Heating and pool production
- Active cooling production inbuilt
- Passive cooling production inbuilt (free cooling)
- Internet connection and remote control
- Photovoltaic hybridisation integrated
- Superheater option available on 10kW and 16kW models
- DHW and heating/cooling
- Integrated cascade control of up to 3 units
- Single-phase (230V) or three-phase (400V) power supply for the larger units

	VOLTA W-S-H	VOLTA W-S-P	VOLTA W-S-A	VOLTA W-S-F
	<ul style="list-style-type: none"> • DHW • Heating 	<ul style="list-style-type: none"> • DHW • Heating • Passive cooling 	<ul style="list-style-type: none"> • DHW • Heating • Active cooling 	<ul style="list-style-type: none"> • DHW • Heating • Passive cooling • Active cooling
6kW	230V	230V	230V	230V
10kW	230V/400V SH option	230V/400V SH option	230V/400V SH option	230V/400V SH option
16kW	230V/400V SH option	230V/400V SH option	230V/400V SH option	230V/400V SH option



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