

AQUA F 100L

Packaged monoblock heat pump for domestic hot water production



HEAT PUMPS FOR DHW

Energy saving



Solar integration

Comfort



DHW

Reliability



Backup heater



025

Health



Renewable Energy

Convenience



Integrated DHW tank

Management and connectivity



Input ON/
OFF



Port
Modbus

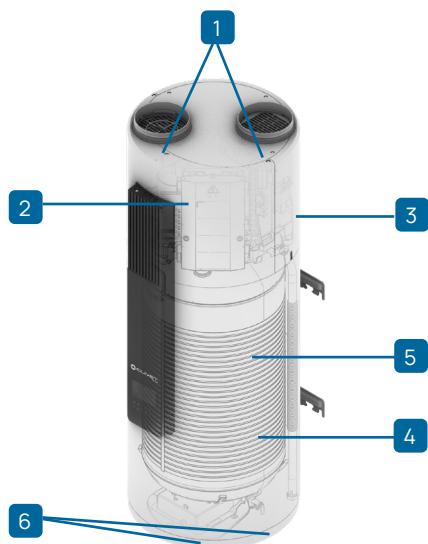


Control
via App



management
Control4 NRG

- ✓ Advanced connectivity: management via the App or via the Modbus port with CONTROL4 NRG included as standard
- ✓ Equipped as standard with electronic anode, photovoltaic contacts
- ✓ Operation with heat pump only with the outdoor air between -7°C and 43°C
- ✓ Market-leading A+ efficiency class



- 1 AC fan
- 2 Rotary compressor
- 3 Air-gas finned exchanger
- 4 DHW tank
- 5 Microchannel exchanger (wound around the tank)
- 6 Electronic anode kit + safety/auxiliary heater

TOP efficiency

AQUA F attains the highest levels of efficiency on the market today. Thanks to the careful design of the refrigerant circuit, it achieves class A+ according to the ErP directive.

The high COP values allow great savings in terms of energy and operating costs, in addition to an increase in the use of renewable energy.

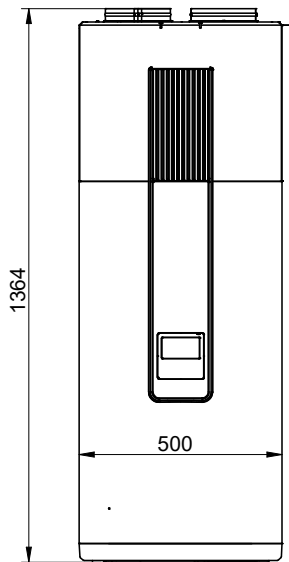
Accessories



CMPX

Optional connection cables for ON/OFF contacts, Modbus, and Photovoltaic

Dimensions and connections



Size		100	
Dimensions	AxCxB	mm	500x1.364x500
Operating weight		kg	161
Refrigerant charge		type / GWP	R-134a / 1.430
		kg	1,10
		CO ₂ tons	1,57
External diameters	Air	mm	160
	Water	inch	3/4"
	Condensate drain	mm	10

Technical data

Size		100L		
DHW	Heating capacity		kW	0,98
	COP	Water 15/45 °C Outdoor air 15 °C DB/87% UR	-	3,8
	Heating time		h:min	03:30
	Heating capacity	Water 15/65 °C Outdoor air 43 °C DB/87% UR	kW	1,44
	COP		-	3,65
	Nominal tank volume		l	98
	Electrical power for meter sizing		kW	1,95
Power heater		kW	1,50	
Seasonal efficiency Medium climate	DHW	Energy class	-	A+
		Annual energy consumption	kWh/year	463
		Withdrawal profile	-	M
		ns (seasonal output)	%	111
Technical specifications				
Fan	Air flow rate	Nominal	m ³ /h	200
	Available pressure	Water content	Pa	60
Sound power		Water content	dB(A)	54
Sound pressure @1m		Water content	dB(A)	43
Tank insulation		Material / Medium Thickness ¹	-	CP / 42mm
Thermal dispersions			W/K	18,2
Solar pipe coil	Surface		m ²	-
Maximum operating pressure			bar	-
Power supply		Voltage/Frequency/Phases	V/Hz/n°	230/50/1
Operating range				
Water temperature		Minimum / Maximum	°C	10 / 70
Operating Voltage Range Outdoor air		Minimum / Maximum	°C	-20 / 43

- Inlet water temperature 15°C, storage set 45°C, source air 15°C D.B/12°C W.B.
- The product conforms with the European ErP Directives, which include Commission Delegated Regulation (EU) no. 812/2013, Commission Delegated Regulation no. 814/2013, Clima Average, Heat Pump Water Heater
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- Data for fully ducted unit.

*Contains fluorinated greenhouse gases

