AQUA F 190-300L

Packaged monoblock heat pump for domestic hot water production



ENERGY SAVING

Solar integration

Smart Grid Ready

Comfort

DHW

RELIABILITY

Backup heater

025

HEALTH

Renewable Energy

CONVENIENCE

Integrated DHW tank

Management and connettivity

Input ON/ OFF

Port Modbus

Control via App

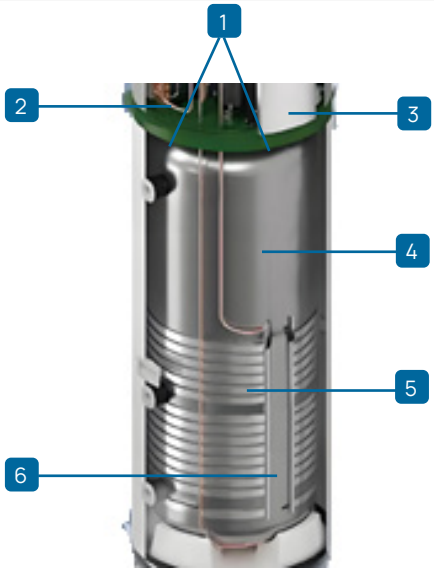
management Control4 NRG

✓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 and Smart Grig

✓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

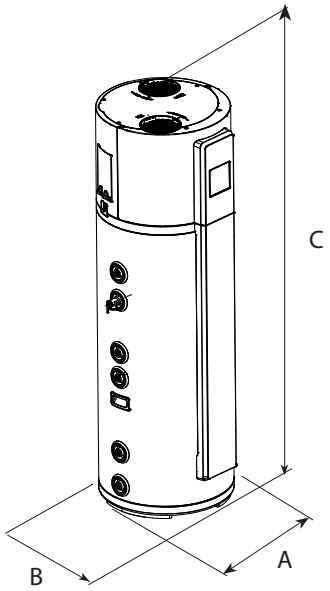
Low maintenance

Thanks to the electronic anode and the automatic malfunction detection system, there is no need to periodically empty the water in the heat pump to check the condition of the anode.
Maintenance of the product is therefore limited to checking the filters, thus facilitating a rapid, inexpensive and non-invasive response.

Accessories

	CCAX	Optional connection cable for cascade management

Dimensions and connections



Size			190	190S	300	300S
Dimensions	AxCxB	mm	560x1.735x560		660x1.985x660	
Operating weight		kg	274	285	396	407
Refrigerant charge		type / GWP	R-134a / 1.430			
		kg	1,10		1,50	
		CO_2 tons	1,57		2,15	
External diameters	Air	mm	160		190	
	Water	inch	3/4"			
	Condensate drain	mm	10			

REF. DG26A002GB-00

Technical data

Size					190	190S	300	300S
DHW	Heating capacity	Water 15/45 °C Outdoor air 15 °C DB/87% UR		kW	1,26	1,24	1,59	1,57
	COP			-	3,61	3,49	3,65	3,62
	Heating time			h:min	05:31	05:26	06:03	06:10
	Heating capacity	Water 15/65 °C Outdoor air 43 °C DB/87% UR		kW	1,93	1,90	2,35	2,32
	COP			-	5,31	5,28	5,18	5,11
	Nominal tank volume			l	185	180	275	270
Electrical power for meter sizing				kW	2,24	2,24	2,35	2,35
Power heater				kW	1,64	1,64	1,64	1,64
Seasonal efficiency Medium climate DHW	Energy class			-	A+	A+	A+	A+
	Annual energy consumption			kWh/year	800	861	1.254	1.328
	Withdrawal profile			-	L	L	XL	XL
	ns (seasonal output)			%	128	119	134	126

Technical specifications								
Fan	Air flow rate	Nominal		m^3/h	340	340	390	390
	Available pressure	Water content		Pa	55	55	55	55
Sound power		Water content		dB(A)	55	55	56	56
Sound pressure @1m		Water content		dB(A)	43	43	42	42
Tank insulation		Material / Medium Thickness[1]		-	PU+ / 43mm	PU+ / 43mm	PU+ / 46mm	PU+ / 46mm
Thermal dispersions				W/K	1,47	1,47	1,53	1,53
Solar pipe coil		Surface		m^2	-	0,84	-	0,84
Maximum operating pressure				bar	8,5	8,5	8,5	8,5
Power supply		Voltage/Frequency/Phases		V/Hz/n°	230/50/1	230/50/2	230/50/3	230/50/4

Operating range							
Water temperature	Minimum / Maximum	°C	10 / 70	10 / 70	10 / 70	10 / 70
Operating Voltage Range Outdoor air	Minimum / Maximum	°C	-20 / 43	-20 / 43	-20 / 43	-20 / 43

1. Inlet water temperature 15°C, storage set 45°C, source air 15°C D.B/12°C W.B.
2. 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
3. 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
4. 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
5. Data for fully ducted unit.

*Contains fluorinated greenhouse gases

Data contained in this document are not binding and may be changed by the Manufacturer without notice