

HEAT PUMP WATER HEATER

EW301 GR Heat pump water heater

The ECA Technology product evolution is updated with the new heat pump water heater that produces Domestic Hot Water (DHW) with maximum efficiency thanks to the rotary compressor with the new ecological gas R290 for the production of hot water up to 70°C.

Advanced technology with the integrated control panel and WiFi connection allow complete management of settings, programming and diagnostics.

Attractive pedestal design designed to be robust and long-lasting, our boiler is the ideal choice for those looking for reliability and performance. The ECA Technology product evolution is updated with the new heat pump water heater that produces Domestic Hot Water (DHW) with maximum efficiency thanks to the rotary compressor with the new ecological gas R290 for the production of hot water up to 70°C.

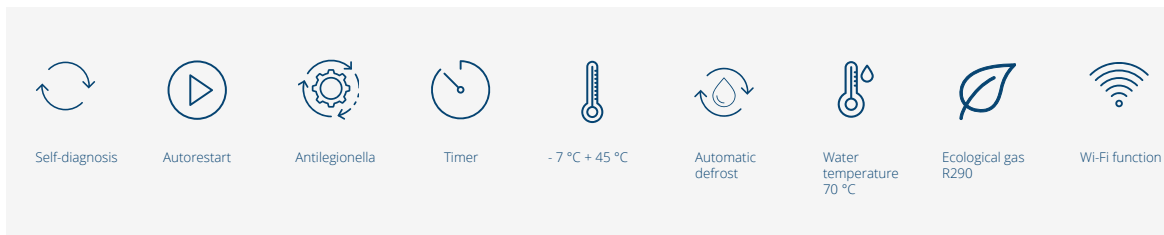


Plus

- Base-mounted tank with **270 liter capacity** (328 liters mixed at 40°C)
- Internal protective treatment: Titanium crystal enamelling.
- **R290 refrigerant** (natural gas with very low environmental impact GWP=3)
- 2000 W integrative electrical resistance
- Electronic anode for anti-corrosion protection of the tank
- Programmable **anti-legionella disinfection** cycle
- Automatic restart in the event of a power failure
- Extended operation with air temperatures between -7 °C and +45 °C
- **Domestic hot water production up to 70 °C** temperature
- Different options for connecting incoming air ducts
- Fan head adjustable up to 60 Pa
- Micro-channel heat exchanger with differentiated sections
- Soft touch control panel remote up to 8 meters for settings, programming and diagnostics
- Remote **WiFi management**
- **Highly silent** for the best comfort



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MODELLO		EW301GR
Nominal tank capacity	l	270
Volume of hot water mixed at 40°C(1)	l	328
Declared load profile ⁽¹⁾		XL
Water heating energy efficiency class in average climate conditions ⁽¹⁾⁽³⁾		A+
Water heating energy efficiency η_{wh} in average climate conditions ⁽¹⁾⁽³⁾	%	145
Annual electricity consumption in average climate conditions ⁽¹⁾⁽³⁾	kWh	1150
Nominal COP ⁽²⁾		4,00
COPDHW in average climate conditions ⁽¹⁾		3,50
Electrical supply	V/Hz/Ph	230 / 50 / 1
Nominal heat output ⁽²⁾	kW	1,70
Nominal electrical absorption ⁽²⁾	kW	0,425
Integrative electrical resistance	kW	2,00
Maximum absorption including resistance	kW	2,85
Maximum current absorbed	A	12,40
Hot water temperature adjustment range	°C	35 ~ 70
Operating ambient temperature (heat pump)	°C	-7 ~ 45
LWA sound power level, indoors	dB (A)	48
Compressor		rotativo
Degree of protection / Insulation class		IPX4 / I
Maximum operating pressure	bar	8
Refrigerant (type / quantity)	tipo / kg	R290 / 0,150
Global warming potential / CO2 equivalent	GWP / tonsCO2	3 / 0,001
Dimensions (HxWxD)	mm	1947x668x663
Maximum height in straightening	mm	2018
Net/gross/operating weight	kg	108 / 129 / 378
Hydraulic connections		G 3/4"
Air flow with ducting (static pressure 30 Pa)	m3/h	360
Air duct diameter	mm	Ø 160
Maximum air duct length	m	5
CODE		0011451

⁽¹⁾ Conditions: air temperature 7°C DB (6°C WB), water temperature inlet 10°C / outlet 55°C without ducting (EN16147).

⁽²⁾ Conditions: air temperature 14°C DB (13°C WB), water temperature inlet 10°C / outlet 55°C without ducting (EN16147).

⁽³⁾ EU Regulation 812/2013 and 814/2013

IN CASE OF INSTALLATION IN CLOSED, NON-VENTILATED SPACES, THE PRODUCT MUST BE POSITIONED IN A ROOM WITH A SURFACE AREA EQUAL TO OR GREATER THAN AT LEAST 7 SQUARE METRES.