

COMBO R290

DHW HEAT PUMP



R290

Standard features



Improved construction



Modern design



Highest efficiency



Multifunctional



Disinfection



Weekly programmer



SMARTGRID



Built-in controller



WiFi



BMS control



The Combo R290 heat pump for the production of domestic hot water is designed for installation inside the building. The heat pump hydraulic module is integrated with a 185l domestic hot water tank. The Combo heat pump is easy and quick to connect, has a small footprint and a bright, modern design. The user can choose from several available operating modes, adjust chosen mode on a weekly programmer, as well as control the device using the Modbus protocol.



Eco heat pump

The natural refrigerant R290 has no negative impact on the ozone layer (ODP = 0) and a very low global warming potential (GWP = 3). Thanks to the use of the R290 refrigerant, the Combo pump achieves high efficiency while being an environmentally friendly device.



Highest efficiency

The efficiency class of Combo R290 heat pumps is A+, which is the highest level of efficiency that can be achieved in this type of heating devices.



Improved construction

The device has been equipped with a new, more efficient heat exchanger and patented laminar water injection technology into the tank, which improves the distribution of hot and cold water in the tank.



Modern design

It is not only the elegant, bright shape of the device that will discreetly fit into the room. It is also a modern controller with a display built into the upper part of the device.



Net Home Plus application

Remote management of the heat pump from the NetHome Plus application available for Android and IOS.



Multifunctional

Possibility of adjusting the operating mode of the device to the current needs of the user. Operating modes available: economic, holiday, hybrid, electric heater and intelligent.

Technical specifications

Model		NXCMB-190ST-V3
Power supply (voltage/phases/frequency)	V~/Hz	220-240/1/50
Heating capacity	W	1430
Electric heaters power	W	1640
COP (1)	W/W	3,15
Water heating energy efficiency	%	131,1
Energy efficiency class	ERP	A+
Max. DHW supply temperature	°C	70
Tank volume	l	185
Recommended temperature range	°C	-20~45
Maximum inlet water pressure	Mpa	0,7
Maximum tank operating pressure	Mpa	0,85
Connecting pipes	cal	3/4
Maximum air duct length	m	5
Available static pressure	Pa	20
Air duct diameter	mm	160
Airflow	m ³ /h	350
Sound pressure level (2)	dB(A)	56
Unit protection	-	high pressure, overload, thermal, refrigerant loss, flow switch
Type/amount of refrigerant	-/kg	R290/0,15
Dimensions (diameter x height)	mm	Ø560x1730
Net weight (empty)	kg	91

(1) According to EN 16147:2017, outdoor temperature DB/WB 7/6°C, inlet water temperature 10°C; outlet water temperature 53°C.

(2) According to EN 12102.