

Nuos Plus R290



Heat pump water heater high-performance wall-mounted monoblock with integrated Wi-Fi

- / Ecological refrigerant gas R290
- / Lowest heating times in its class
- / Operation in Green up to air temperature -10°C

- / Compatible with BridgeNET integrated bus systems
- / Wide choice of special functions
- / Photovoltaic function
- / Touch interface with LCD display

- / Active anode (protech) + magnesium anode
- / Anti-legionella function

- / First ignition free

Energy class



TECHNICAL DATA		80	110	150
Nominal storage capacity	l	80	110	147
Empty mass	Kg	90	95	115
Insulation thickness	Mm		y50	
Maximum operating pressure	MPA		0.8	
Thermal losses (pes)*	W	11	14	12
HEAT PUMP				
Air cop t 7°C (en16147-erp)*		2.77	2.74	2.95
Heating time with $\Delta t=45^{\circ}\text{C}$	H:min	03:53	05:50	09:14
Average absorbed electrical power	W		280	
Maximum absorbed electrical power	W		350	
Min/max air temperature	°C		-10/42	
Max water temperature heat pump only/with r	°C		60/70	
POWER SUPPLY				
Power resistance	W		1200	
Electrical protection			lpx4	
Voltage	V		220-240	
AIR SIDE				
Standard air flow (automatic modulation)	M/h		120 - 170	
Minimum local installation volume**	M		20	
ErP				
Annual energy consumption (average climate)****	kWh/year % l	449.6	452.0	853.6
Seasonal yield (average climate)****		114.2	113.6	119.9
V40 (quantity of water mixed at 40°C)****		65.5		172.7
Sound power***	dB(A)		111.7 45	
F GAS DATA				
Refrigerant type			R290	
Refrigerant charge	kg		0.150	
GWP			3	
CO2 equivalents	ton		0.00045	

* Values obtained with an external air temperature of 7°C and relative humidity of 87%, inlet water temperature of 10°C and a set temperature of 55°C (as per EN 16147 and CDC 103-15/C-2018). Ducted product Ø200 mm.

** Value that guarantees correct and easy functioning maintenance in the case of non-ducted product. Correct operation of the product is guaranteed up to a minimum height of 2,090 m.

*** Values obtained from the average of the results of three tests performed according to EN 12102-2. Ducted product Ø200 mm.

**** Values obtained with an external air temperature of 7°C and relative humidity of 87%, an inlet water temperature of 10°C, and a set temperature of 55°C (as per 2014/C 207/03 - transitional methods of measurement and calculation). Ducted product Ø200 mm.



NUOS PLUS S2 WI-FI WH



Energy class

Load profile

CODE

	80	110	150
Energy class	A+	A+	A+
Load profile	M	M	...
CODE	3629145	3629146	3629147



GESTIONE
DI SISTEMA

PROGRAMMA
ASSISTENZA
ITALIA

FUNCTION
PHOTOVOLTAICS

ALTA
EFFICIENZA

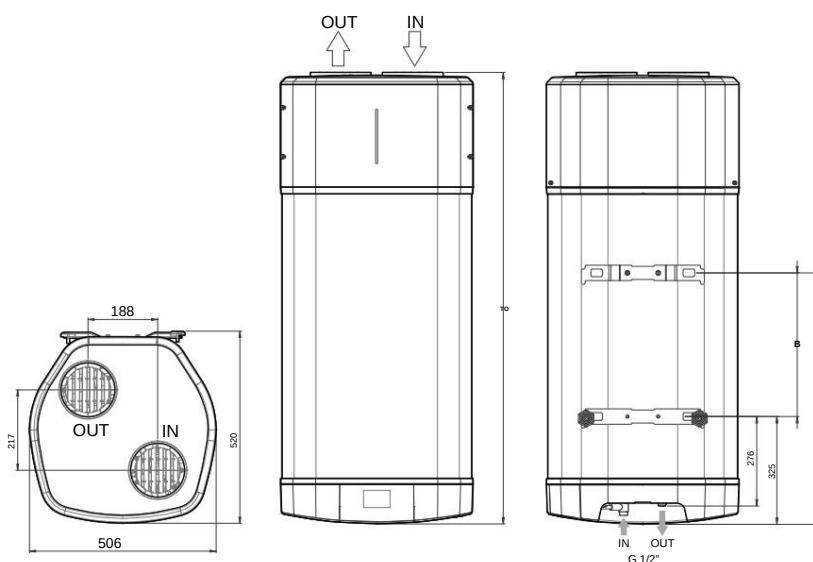
ANTI-CORROSIONE

ANTI-LEGIONELLA



Connectivity
Ariston NET

	80 liters	110 liters	150 liters
T₀	1176 mm	1403	1659
B	331 mm	558	814
C	656 mm	883	1139



Typology					
Maximum length of the channels	ø110 (PVC)	12 m	8 m	4 m	8 m
	ø125 (PVC)	25 m	20 m	16 m	20 m
	ø150 (PVC)	38 m	34 m	30 m	34 m
L1 exhaust + L2 intake	ø160 (PVC)*	56 m	53 m	49 m	53 m

When adding a bend: 90° (PVC) remove 3 m from the permitted length / 45° (PVC) remove 1.5 m from the permitted length

* The Ø160 mm pipe requires the accessory adapter code 3629159.

ARISTON
Comfort sostenibile per la tua casa