



ARISTON

NUOS Plus

FS200 FS250i



ITALIAN
DESIGN



ENERGY
SAVING



SUPER SILENT



ENERGY
EFFICIENT



ANTI-LEGIONELLA



ANTI-FREEZING



Key Features:

- Co-efficient of performance (COP) 3.14
- A+ Ready for ErP 2017
- Highly efficient thermal insulation to maximise savings
- “Plug & Play” – No F-Gas qualifications needed to install
- Can be installed with supplied air deflector grilles for added flexibility
- Anti-Legionella and Anti-Freezing functions for added peace of mind
- Fully compliant with KIWA regulations
- Super silent 50dB operation

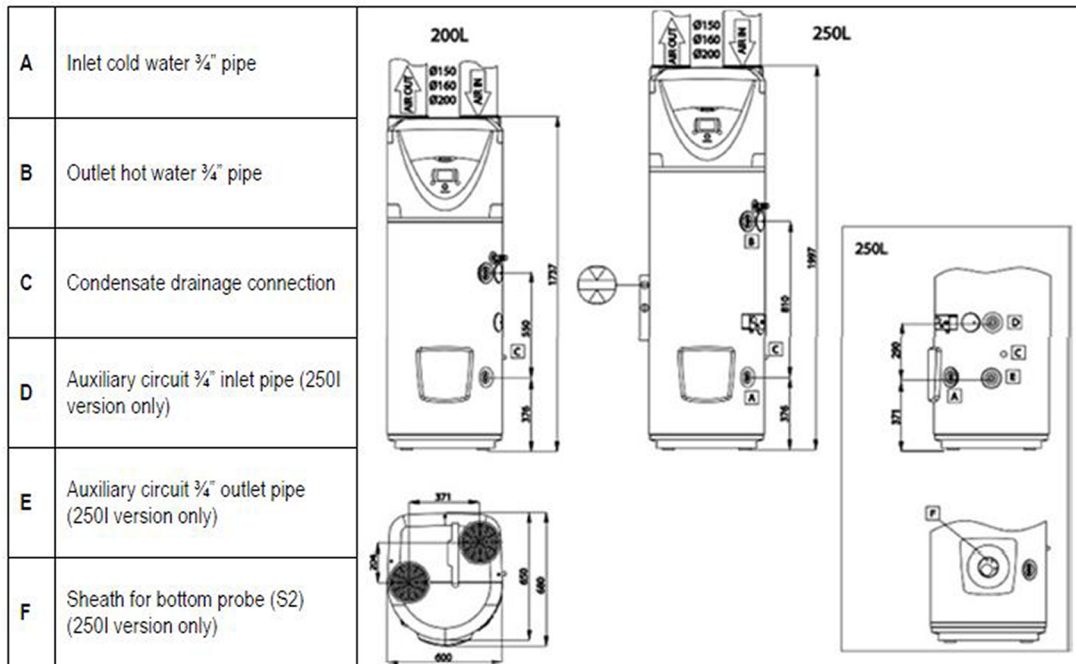
HOT WATER | HEATING | RENEWABLES

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Technical Data



Description	Unit of measurement	NUOS Plus 200D	NUOS Plus 250I
Rated tank capacity	L	200	245
Insulation thickness	mm		≈ 50
Type of internal tank protection			Enamelling
Type of corrosion protection			Disposable magnesium anode
Maximum operating pressure	bar		6
Diameter of condensate drainage connection	mm		14
Diameter of air exhaust/intake pipes	mm		150 & 200
Minimum water hardness	°F		12
Minimum conductivity of the water	µS/cm		150
Weight when empty	kg	90	115
Weight when full	kg	290	365
Cylinder (EN 12897:2006)			
Normal operating pressure	bar	3.5	3.5
Maximum water supply pressure	bar	12	12
Cold connection (feed)		3/4" G	3/4" G
Hot connection (draw off)		3/4" G	3/4" G
Pressure Reducing Valve Set Pressure	bar	3.5	3.5
Cylinder TPRV	°C / bar	90-95 / 7	90-95 / 7
Combination valve PRV	bar	6	6
Expansion vessel pre-charge pressure	bar	3.5	3.5
Operating temperature of not-resetting thermostat	°C	-	30-70
Cylinder indirect coil (EN 12897:2006)			
Connections		-	3/4" G
Surface area	m ²	-	0.65
Maximum supply pressure	bar	-	6
Rating @60°C	l	-	181.9
Primary flow rate	l/min	-	15
Pressure drop through coil @15l/min	mbar	-	18
Primary heating power input	kW	-	9.76
Heating time from 15°C to 60°C	min	-	58.40
Max water temperature with external integration	°C	-	75



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Heat Pump	Unit of measurement	NUOS Plus 200D	NUOS Plus 250I
Average electrical power consumption	W	700	
Max. electrical power consumption	W	900	
Quantity of R134a refrigerant fluid	kg	1.3	
Max. pressure of refrigerating circuit (low-pressure side)	Mpa	1	
Max. pressure of refrigerating circuit (high-pressure side)	Mpa	2.4	
Max. water temperature with heat pump	°C	62	
EN 16147			
COP (A)		3.05	3.14
Heating time (A)	h.min	4.30	5.29
Heating energy consumption (A)	kWh	2.934	3.718
Max. amount of hot water in a single intake Vmax (A) @ 55°C	l	273	345
Pes (A)	W	23	24
Tapping (A)		L	XL
812/2013 – 814/2013 (B)			
Qelec (B)	kWh	3.825	6.066
ηwh (B)	%	126.1	128.5
Mixed water at 40°C V40 (B)	l	273	345
Temperature setting (B)	°C	55	55
Annual electricity consumption (average climatic condition) (B)	kWh/year	812	1303
Load profile (B)		L	XL
Indoor sound power level (C)	dB(A)	55	55
Heating element			
Heating element power	W	1500+1000	
Max. water temperature with heating element	°C	75	
Max. current consumption	A	11.36	
Power supply			
Voltage / max. power consumption	V / W	220-240 single-phase / 2500	
Frequency	Hz	50	
Protection rating		IPX4	
Air side			
Standard air flow rate (automatic modulating control)	m ³ /h	650	
Available static pressure	Pa	110	
Minimum volume of room of installation (D)	m ³	30	
Minimum ceiling height of room of installation (D)	m	1.94	2.2
Min. temperature of room of installation	°C	1	
Max. temperature of room of installation	°C	42	
Minimum air temperature (w.b. at 90% r.h.) (E)	°C	-7	
Maximum air temperature (w.b. at 90% r.h.) (E)	°C	42	

OUR REFERENCE	PRODUCT CODE	DESCRIPTION	ERP RATING
NUOS200D	3079077	NUOS Plus FS200 - 200 Litre Direct	A+
NUOS250I	3079076	NUOS Plus FS250i - 250 Litre Indirect	A+
NUOSKITD	3069418	Unvented Kit for NUOS Plus FS200	-
NUOSKITI	3069419	Unvented Kit for NUOS Plus FS250i	-

(A) Values obtained with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and set temperature of 55°C (according to the provisions set forth in EN 16147).

(B) Values obtained with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and set temperature of 55°C (according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation).

(C) Values obtained from average results of three tests carried out with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and temperature set according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation and EN 12102).

(D) Value that ensures correct operation and eases maintenance if the product is not ducted. Correct operation of the product is nevertheless ensured up to a minimum height of 2,090 m, as long as the accessory grilles are used.

(E) Outside the operating temperature range of the heat pump, heating of the water is ensured by the integration.