ARISTON

HEAT PUMP WATER HEATERS

HOT WATER | RENEWABLE

FUTURE-READY WITH 90 YEARS OF HISTORY

WATER HEATING

/ The Ariston brand is launched and the production of electric water heaters begins.

1930s

1960s

1980s

FOUNDATION

/ Aristide Merloni founds "Industrie Merloni" company in the Marche Region of Italy, and starts the production of weighing scales.

HEATING

/ We consolidate our market leadership in water heating and the production of boilers begins.

RENEWABLE

/ We successfully develop and launch our new model in heat pump, which marks our development into innovative and sustainable heating technology.

ARISTON THERMO GROUP | 90th

/ Ariston is one of the most important brand of Ariston Thermo Group which this year turns 90 years.
In 1930, the Group accepted the challenge of making the world a more comfortable place while focusing on the environment. Today, the Group renews its commitment by putting energy efficiency at the heart of our sustainable growth strategy.

1990s

2000s

2010s

2020s

GLOBAL EXPANSION

/ With the launch in China and Russia, we begin to evolve into a global brand.

THE ARISTON COMFORT CHALLENGE

/ Ariston embarks on a unique mission: bringing thermal comfort everywhere, even where it seems impossible to find it. The launch of the brand's first ever global campaign, called The Ariston Comfort Challenge (2018), best expresses the core values of the Group: innovation, comfort, sustainability and energy efficiency.

WATCH THE SERIES ON

aristoncomfortchallenge.com

NO CHALLENGE IS TOO BIG TO MAKE THE WORLD A MORE COMFORTABLE PLACE.

Disko Island, Greenland. Arctic Circle N 69°.

Every year, an international team of scientists works in Greenland to study the effects of climate changes. They are often forced to stop because of cold and severe weather phenomena. Ariston, the global leader in sustainable heating systems, wanted to take an active part in such a vital research.

After a thorough recruitment process, three of the best Ariston installers in the world were selected. They accepted the challenge of bringing the comfort of a hot shower to these scientists. An innovative modular house called "The Comfort Zone" was built and the only product able to ensure effective operation under extreme conditions was installed. This was one of the hardest tests ever for humans and technologies.

That's what we do. Through our most advanced solutions, we can bring comfort to people even where it seems impossible. With this mission, Ariston proved itself to be capable of excellent products that deliver optimal performance in the most efficient way, as well as uncompromised durability. It was a huge challenge, but it's just the beginning.

Discover more about the mission on **ariston.com**

NUOS RANGE
FULLY CUSTOMIZABLE FOR SAVING ENERGY UP TO 80%*

NUOS PLUS WIFI

NUOS PRIMO HC

MAXIMUM EFFICIENCY FOR DOMESTIC WATER HEATING

Ariston has chosen to privilege innovation with high-efficiency products that ensure savings on the energy bill.
The Ariston research activities have yielded the NUOS range of heat pump water heaters: effective products capable of guaranteeing hot water for any need, they minimise electricity consumption as they absorb heat directly from the outside air.

RENEWABLE ENERGY AS AN OPPORTUNITY

The extensive range of NUOS products adapt to any need to constantly guarantee the lowest energy consumption.
The various models available can be installed in place of conventional electric water heaters, to integrate existing generators and on new buildings in combination with photovoltaic or solar heating systems.

ARISTON NET

Thanks to the **Aqua Ariston NET** app, the **LYDOS HYBRID WIFI & NUOS PLUS WIFI** products are connected to guarantee the utmost level of comfort and serenity for your customers:

/ Remote control of the product to programme the temperature and usage times
/ Energy consumption monitoring

*compared to traditional electric storage water heaters

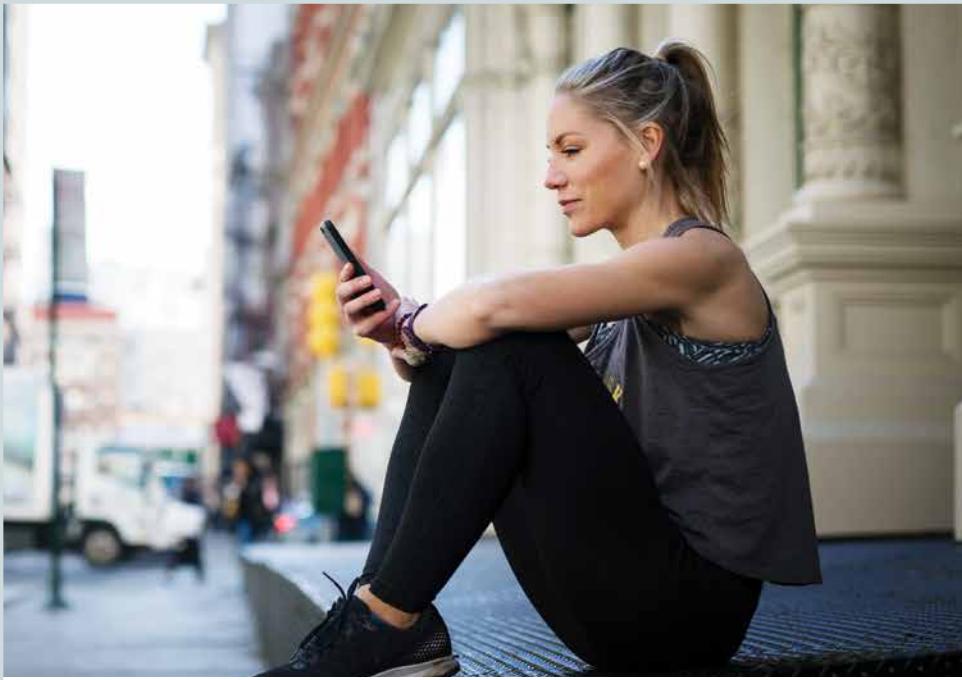
HEAT PUMP TECHNOLOGY

UNPARALLELED ENERGY EFFICIENCY COMES FROM THE AIR.

The renewable heat pump technology used by Nuos converts heat from the air into energy for domestic hot water, guaranteeing up to 80% energy saving* (A) compared to traditional electric storage water heaters.

Thanks to all the components that allow the thermodynamic cycle to reach temperatures up to 62ºC with the most effcient COP in the market, with short heating-up time and low noise. For added effciency, Nuos can be conveniently coupled with other heat generators (solar or boiler) (A) and photovoltaic panels (A). Moreover, all top models boast energy class A+.

* compared to traditional electric
(A) Only NUOS PLUS WIFI



DIFFERENT WORKING MODES
CHOOSE YOUR BEST COMFORT.

The product has different working modes and advanced programmes to give you total control of your tailor-made comfort. Available on all top-of-the- range models, the Silent mode ensures quiet operation at all times. For extra comfort, NUOS PLUS WI-FI boasts the shortest water heating time in the category*.

*According to EN 16147 regulation

AQUA ARISTON NET
CONTROL NUOS FROM ANYWHERE.

With the Aqua Ariston Net App, you can set and manage your NUOS PLUS WIFI remotely from your smartphone, even when you are out and about. In case of installation with other Ariston products, the Bus BridgeNet® protocol allows you to completeley control your comfort with a single system interface and the Ariston Net App.

EXCLUSIVE TECHNOLOGIES
UNRIVALLED PERFORMANCE AND LIFETIME RELIABILITY.

The long lifespan and durable performance of the NUOS range are ensured by the exclusive Ariston technologies. The enamelled or steatite heating elements offer thorough protection against the build-up of limescale, whereas the active anode optimally prevents tank corrosion. limescale, whereas the active anode optimally prevents tank corrosion. The dedicated sanitary hot water compressor and the hydrophilic coated evaporator enable the product to withstand extreme temperatures. As evidence of the long-lasting quality of each model, the tank is coupled with a 5-year warranty and the components have a.

TOP QUALITY TESTED
BUILT FOR YOUR UTMOST COMFORT.

Every detail of NUOS water heaters is strictly tested at each stage of the production line. Raw materials, components, enamelling, water and refrigerant leakages, electrical security system and functionality are thoroughly checked to ensure top quality, effciency and energy saving. Field testing in real domestic environments around the world has been conducted to assess the quality, effciency and performance of the entire range.

FLEXIBLE INSTALLATION
CUSTOMIZED SOLUTIONS FOR ALL NEEDS.

NUOS (monoblock) models come with specific accessories for all types of installation requirements and can easily fit into spaces where traditional water heaters can't.

HI-TECH DISPLAY
MORE THAN USER-FRIENDLY.

The high definition LCD segment display available on all Nuos models allows to easily set and control your water heater. The LCD screen with touch controls of NUOS series provides more intuitive interaction and easier water temperature management.

ITALIAN DESIGN
A UNIQUE COMBINATION OF TECHNOLOGY AND STYLE.

Entirely devised and developed by Italian engineers, all NUOS models can blend harmoniously into every home, thanks to their modern shapes and sleek aesthetic finishes designed by the Italian designer Umberto Palermo.

THE NUOS RANGE: COMPARING TECHNOLOGIES

The **MONOBLOCK** heat pump water heaters have the refrigerant gas circuit hermetically sealed inside them. They can be installed by merely creating air ducts besides the plumbing connections.

NUOS PLUS WIFI

TECHNOLOGICAL EXCELLENCE

/ Air filter: slows down clogging of the heat exchange coil and can be removed from above, for easier maintenance
/ Air circuit: patented architecture to reduce noise and heat dispersal

*Data refers to Nuos Plus Wi-Fi 200 with 14°C air T (EN16147)
**Data refers to Nuos Plus Wi-Fi 250 with 14°C air T (EN16147)

3 h 41 min

THE LOWEST HEATING TIME ON THE MARKET*

80%

ENERGY SAVING COMPARED TOA CONVENTIONAL ELECTRICWATER HEATER WITH THE SAME CAPACITY

3,62

COP**

FUNCTION

/ **Hybrid function:** optimises consumption on the basis of the gas and electricity costs
/ **Smart Grid function:** produces more hot water when the electricity rate is lower
/ **Photovoltaic function:** raises the water temperature set-point to fully exploit the excess solar energy

NUOS PLUS Wi-Fi
1 / Fan
2 / PCB & HMI
3 / Evaporator
4 / Compressor
5 / Primary coil
6 / Secondary coil
7 / Wrapped condenser
8 / Electrical kit

HEAT PUMP TECHNOLOGY

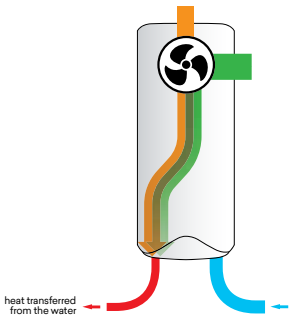
NUOS range uses a thermodynamic cycle to heat the water inside the storage tank through the air sucked by the thermal group inverting the heat natural flow. A refrigerant fluid (R134A), through status changes, compression and expansion cycles, withdraws the heat in the air at low temperature and gives it to domestic water at a higher temperature.

This is the reverse mechanism to the one used in refrigerators.
The product electric consumption is only the one necessary to let the fan (that captures the air) and the compressor (that allows the refrigerant fluid to circulate in the system) work.

NUOS ENERGY FORMULA

100 = 25 + 75

HOTWATER | **ELECTRICAL ENERGY** | **AIR HEAT**



THERMODYNAMIC CYCLE

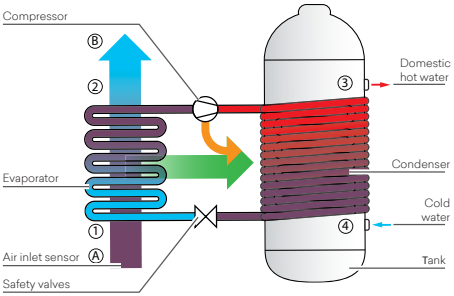
A-B External air is aspirated inside the heat pump thanks to a fan; when passing through the fins of the evaporator, the air gives its heat and lose 10°C approx. Finally it is expelled.

1 -2 The refrigerant fluid goes through the evaporator and absorbs the heat given by the air. During this process it changes its physical status and evaporate, keeping temperature and pressure almost constant. (0°C ; 5 bar).

2 - 3 The refrigerant fluid crosses the compressor and experiences a pressure rising which involves an increase of temperature. At the end of the process the fluid is overheated vapor and its temperature and pressure are 70°C and 20 bar respectively.

3-4 Within the condenser, the refrigerant fluid gives its heat to the water which warms up. By doing this, the refrigerant condensate at constant pressure (20 bar) and then experiences a significant reduction of temperature. (70 –>40°C).

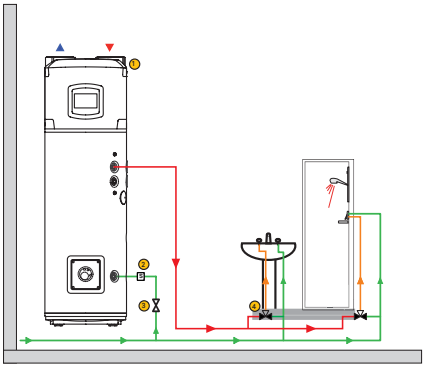
4-1 The refrigerant fluid passes through the lamination valve, suddenly loose both pressure and temperature and partially evaporate thus returning to the initial conditions of temperature and pressure. (40–>0°C; 5 bar). The thermodynamical cycle can now start over.



heat from electrical energy
heat from renewable energy

SINGLE-FAMILY SOLUTIONS

DOMESTIC HOT WATER FROM RENEWABLE SOURCE WITH HEAT PUMP WATER HEATER

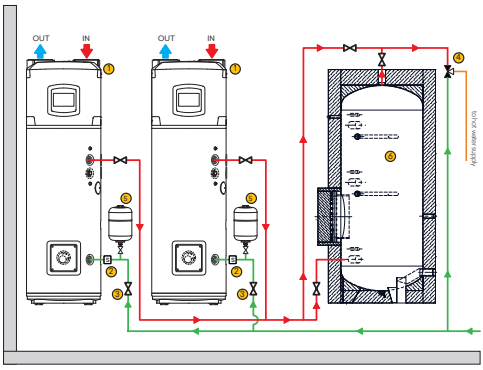


Legend

1. Heat Pump Water Heater NUOS
2. Safety valve
3. Ball valve
4. Mixer valve

MULTI-FAMILY SOLUTIONS - CENTRALIZED SYSTEM

DOMESTIC HOT WATER FROM RENEWABLE SOURCE WITH A STORAGE TANK



Legend

1. Heat Pump Water Heater NUOS
2. Safety valve
3. Ball valve
4. Mixer valve
5. Expansion vessel
6. Storage tank

MONOBLOCK HEAT PUMP
WATER HEATER

	NUOS PLUS WIFI			
	200	250	250 SYS	250 TWIN SYS
ENERGY CLASS	A+	A+	A+	A+
TAPPING PROFILE	L	XL	XL	XL
TYPE	Monoblock			
CONNECTIVITY	integrated			
INTERNAL UNIT ASSEMBLY	Floor standing			
OPERATING RANGE AIR (°C)	-10/42			
MAX WATER TEMPERATURE (WITH/ WITHOUT HEATING ELEMENTS) (°C)	62/75			
COP*	3,1	3,35	3,14	3,21
SEASONAL EFFICIENCY (AVERAGE CLIMATE) (%)	130	138	129	133
HEATING TIME IN HEAT PUMP (h/min)*	03:59	05:23	05:24	05:15
INTEGRATED HEATING ELEMENTS (kW)	1,0 + 1,5			
INTEGRATED COILS	-	-	1	2
SOUND POWER (dB)	55			
OPERATING MODES	Green, Comfort, Fast, I-memory, Boost, HC-HP			
SILENCE FUNCTION	Yes			
PHOTOVOLTAIC FUNCTION	Yes			
EDF FUNCTION	Yes			
CODE	3069775	3069776	3069777	3069778
PAGE	28			

* (air temperature 7°C, water temperature from 10°C to set point) for further details see the product pages

NUOS PRIMO HC		
200	240	240 SYS
A	A	A
L	XL	XL
Monoblock		
–		
Floor standing		
-5/42		
55/75		
2,85 (Air T 20°C)	3,15 (Air T 20°C)	3,06 (Air T 20°C)
112	118	114
6,19	7,59	7,57
2,0		
-	-	1
53		
Green, Boost, Auto, Program		
-		
-		
Yes		
3069653	3069654	3069655
32		

NUOS PLUS Wi-Fi NEW

ADVANCED PERFORMANCE
/ Lowest heating time on the market*, with superior COP.
/ 80% energy saving than traditional water heaters
/ R134A eco-friendly gas for water temperature of up to 62°C in heat pump mode.
/ Full compatibility with R513A refrigerant gas.
/ Different working modes: green, comfort, boost, fast, i-memory, HC-HP.
/ Silent function &Weekly time scheduling.
/ One or two coils and sensor slots to integrate solar thermal, boiler or biomass.
/ Integrated photovoltaic function.
/ Dual power steatite electrical heating elements.
/ System integration with other Ariston products thanks to the Bus BridgeNet® technology.
/ Manage remotely thanks to the App Ariston NET.

EVERLASTING QUALITY
/ Titanium enamelled steel tank.
/ Active anode + magnesium anode.

ITALIAN STYLE
/ User friendly HMI and LCD display.
/ Patented air-flow pathway.
/ 100% designed and developed in Italy.

ENERGY CLASS

A+

CE

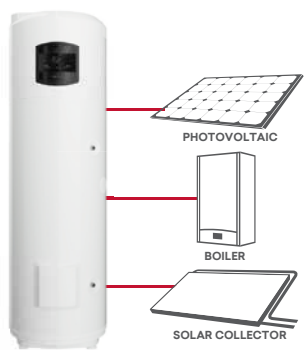
TECHNICAL DATA		200	250	250 SYS	250 TWIN SYS
COP*		3,27	3,62	3,62	3,62
COP**		3,1	3,35	3,14	3,21
Heating time*	h:min	3,41	4,37	4,37	4,37
Min/max air temperature	°C	-10/42	-10/42	-10/42	-10/42
Max. water temperature heat pump only mode/with R	°C	62/75	62/75	62/75	62/75
Sound power***	dB(A)	55	55	55	55
Sound power (silent mode)***	dB(A)	51	51	51	51
Max electrical power consumption in heat pump mode	W	900	900	900	900
Nominal storage tank capacity	l	200	250	245	240
Max operating pressure	bar	6	6	6	6
Voltage/Max power consumption	V/ W	220-240/2500	220-240/2500	220-240/2500	220-240/2500
Heating element power	W	1500+1000	1500+1000	1500+1000	1500+1000
Standard air flow rate	m³/h	650	650	650	650
Min volume of the installation room	m³	30	30	30	30
Empty weight	kg	90	95	115	130
Electrical system protection grade		IPX4	IPX4	IPX4	IPX4
Insulation thickness	mm	≈ 50	≈ 50	≈ 50	≈ 50
Water connections diameter	"	G 3/4 M	G 3/4 M	G 3/4 M	G 3/4 M
Min Temperature of storage tank room	°C	1	1	1	1
Heating bottom circuit exchange surface	m²	-	-	0,65	0,65
Heating top circuit exchange surface	m²	-	-	-	0,65
Heat dispersion (Pes)****	W	21	22	23	25
Available static pressure	Pa	230	230	230	230
Annual energy consumption (average climate)****	kWh/year	790	1215	1299	1256
Seasonal efficiency****	%	130	138	129	133
V40 (Qty of mixed DWH at 40°C)****	l	256	336	333	325
F-GAS DATA					
Refrigerant type		R134a	R134a	R134a	R134a
Refrigerant charge	g	1300	1300	1300	1300
GWP		1430	1430	1430	1430
CO2 equivalents	t	1,86	1,86	1,86	1,86

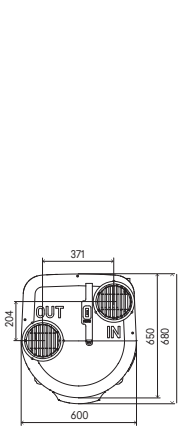
* Values obtained with 14°C outdoor air temperature and 87% relative humidity. 10°C inlet water temperature and 55°C set temperature (EN 16147). Ducted product Ø150 rigid.
** Values obtained with 7°C outdoor air temperature and 87% relative humidity, 10°C inlet water temperature and 55°C set temperature (EN 16147 / 812/2013 - 814/2013). Ducted product Ø150 rigid.
*** Values obtained from the average of the results as per the provisions in EN 12102-2. Ducted product Ø200 mm.
**** Values obtained with outdoor air temperature of 7°C and relative humidity of 87%, inlet water temperature of 10°C and temperature set at 55°C (as per the provisions of 2014/C 207/03 - transitional methods of measurement and calculation). Ducted product Ø200 mm.

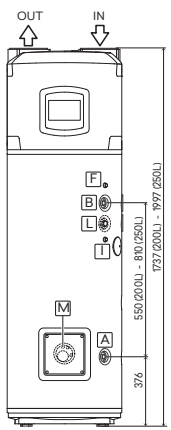
NUOS PLUS Wi-Fi		200	250	250 SYS	250 TWIN SYS
ErP	Energy class	A+	A+	A+	A+
	Tapping profile	L	XL	XL	XL
CODE		3069775	3069776	3069777	3069778

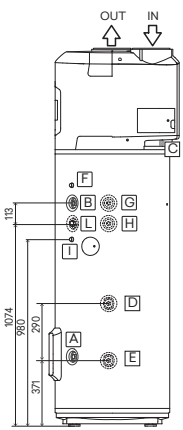
The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

SYSTEM MANAGEMENT · INTEGRATION WITH PHOTOVOLTAIC SYSTEM · ENERGY EFFICIENT · ANTI-CORROSION · ANTI-LEGIONELLA · ANTI-FREEZING · SOLAR INTEGRATION









NUOS PLUS Wi-Fi 200 / 250	PHOTOVOLTAIC BOILER
NUOS PLUS Wi-Fi 250 SYS	PHOTOVOLTAIC BOILER SOLAR COLLECTOR
NUOS PLUS Wi-Fi 250 TWIN SYS	PHOTOVOLTAIC BOILER SOLAR COLLECTOR

A Pipe Ø ¾" cold water inlet
B Pipe Ø ¾" hot water outlet
C Condensate drainage connection Ø14mm
D Pipe Ø ¾" auxiliary circuit inlet (SYS and TWIN SYS versions only)
E Pipe Ø ¾" auxiliary circuit outlet (SYS and TWIN SYS versions only)
F Sheath for upper sensor (S3) (SYS and TWIN SYS versions only)
G Pipe Ø ¾" auxiliary circuit inlet (TWIN SYS version only)
H Pipe Ø ¾" auxiliary circuit outlet (TWIN SYS version only)
I Sheath for upper sensor (S4) (TWIN SYS version only)
L Pipe Ø ¾" for recycling circuit (SYS and TWIN SYS versions only)
M Sheath for lower sensor (S2) (SYS and TWIN SYS versions only)

NUOS PRIMO HC

- / Operating range in heat pump mode with air temperature from -5 to 42 °C
- / Environmentally friendly gas R134A makes it possible to achieve water temperatures up to 62 °C in heat pump mode
- / Condenser is wrapped around the boiler (not immersed in water)
- / Titanium enamelled steel boiler
- / Immersed electric heating element
- / Active anode (protech) + magnesium anode
- / LCD Display
- / Modes: green, auto, boost and antilegionella modes, withdrawal time setting
- / Coil and sensor slot for solar energy integration or boiler (NUOS PRIMO 240 SYS)
- / Integrated transportation straps
- / Product intended for indoor installation

ENERGY CLASS

A

CE

TECHNICAL DATA		200	240	240 SYS
COP*		2,85	3,15	3,06
COP**		2,71	2,86	2,77
Heating time**	h:min	6,19	7,59	7,57
Min/max air temperature	°C	-5/42	-5/42	-5/42
Max. water temperature heat pump only mode/with R	°C	55/75	55/75	55/75
Sound power****	dB(A)	53	53	53
Average electrical power consumption in heat pump mode	W	500	500	500
Nominal storage tank capacity	l	202	244	239
Max operating pressure	bar	6	6	6
Voltage/Max power consumption	V/W	220-230/2750	220-230/2750	220-230/2750
Heating element power	W	2000	2000	2000
Standard air flow rate	m^3/h	400	400	400
Min volume of the installation room ***	m^3	20	20	20
Empty weight	kg	87	92	107
Electrical system protection grade		IP24	IP24	IP24
Insulation thickness	mm	35	35	35
Water connections diameter	"	3/4M	3/4M	3/4M
Min Temperature of storage tank room	°C	1	1	1
Heat Exchanger Surface Area	m^2	-	-	0,65
Heat dispersion (standby losses)*	W	39	41	41
Available static pressure	Pa	55	55	55
Annual energy consumption (average climate)**	kWh/year	912	1425	1470
Seasonal efficiency**	%	112,3	117,6	114,0
V40 (Qty of mixed DWH at 40°C)**	l	247	323	313
F-GAS DATA				
Refrigerant type		R-134a	R-134a	R-134a
Refrigerant charge	g	900	900	900
GWP		1430	1430	1430
CO2 equivalents	t	1,29	1,29	1,29

NUOS PRIMO HC	200	240	240 SYS
ErP Energy class	A	A	A
Tapping profile	L	XL	XL
CODE	3069653	3069654	3069655

* Values obtained with 20°C outdoor air temperature and 37% relative humidity, 10°C inlet water temperature and 55°C set temperature (EN 16147 / 812/2013 - 814/2013). Non-ducted product.

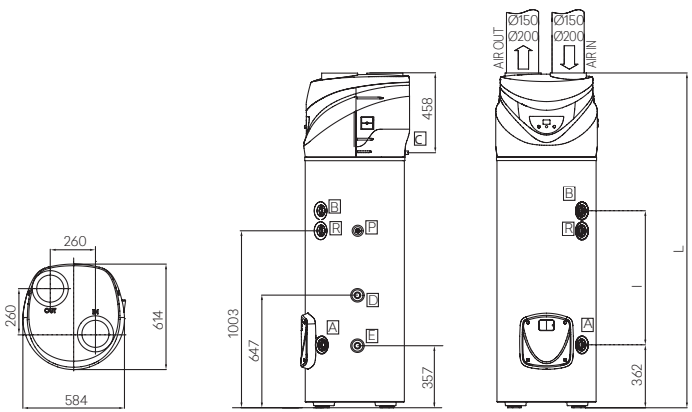
*** Values obtained from the average of three tests carried out with an outdoor air temperature of 7°C and 87% relative humidity, 10°C inlet water temperature and temperature set in accordance with the provisions of 2014/C 207/03 - transitional methods of measurement and calculation and EN 12102.

** Values obtained with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and set temperature of 52°C (according to the provisions set forth in EN 16147). Rigid 6200 ducted product.

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

ANTI-CORROSION ANTI-LEGIONELLA ANTI-FREEZING SOLAR INTEGRATION

Dimensions	200	240 (SYS)
I mm	551	771
Lmm	1706	1926

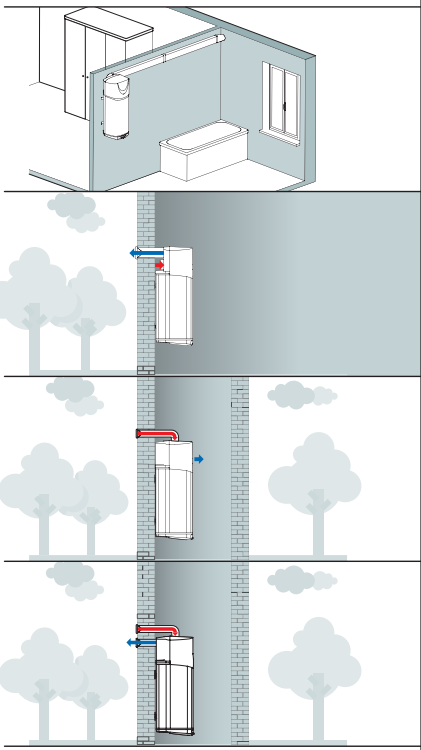


A Pipe Ø ¾" cold water inlet
B Pipe Ø ¾" hot water outlet
C Condensate discharge connection Ø ½" F
D Pipe Ø ¾" coil inlet (240 SYS)
E Pipe Ø ¾" coil outlet (240 SYS)
P Probe socket (240 SYS)
R Ricircle Ø ¾" (240 SYS)

MONO BLOCK MODELS: AIR CANALIZATION OPTIONS

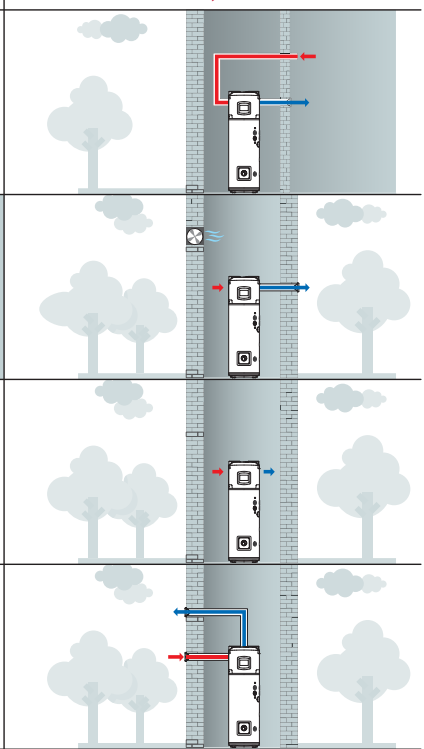
The air can be ducted both on the inlet and on the outlet sides to channel the flow appropriately according to the various situations. The NUOS range features numerous air accessories to fulfill any installation requirements.

WALL-HUNG MONOBLOCK NUOS EVO A+, NUOS PRIMO



Maximum duct linear lenght of 10 m (duct ø 125 mm) (NUOS PRIMO) e 12m (NUOS EVO A+)

FLOOR-STANDING MONOBLOCK NUOS PLUS Wi-Fi, NUOS PRIMO HC



Maximum linear duct lenght of 14m (duct ø 150mm) and 45 m (duct ø 200mm) (NUOS PLUS Wi-Fi) e 8m (NUOS PRIMO HC)

NUOS Range Accessories

Canalization ø 150mm	Code	PRIMO HC	PLUS
AIR KIT WITH RIGID PIPE Ø150 (2,5M) The kit consists of flexible grate with springs, two rigid pipes (1 and 1,5 m) and aconnector.	3208061	•	•
AIR KIT WITH RIGID PIPE Ø150 (2,5M) The kit consists of flexible grate with springs, two rigid pipes (1 and 1,5 m), a connector and an elbow.	3208093		
AIR KIT WITH RIGID PIPE Ø150 (2,5M) The kit consists of flexible grate with springs, two rigid pipes (1 and 1,5 m), a connector and an elbow.	3208062	•	•
Pipe ø150 1 m	3208063	•	•
Pipe ø150 1,5 m	3208064	•	•
Pipe ø150 0,1m	3208065	•	•
Connection ø150	3208066	•	•
90° elbow ø150	3208067	•	•
2 wall brackets for pipe ø150	3208068	•	•
Flexible pipe ø150 1 m	3208069	•	•
Air duct kit for low ceilings (2 pcs)	3078167	•	
INSULATED CANALIZATION KIT Insulated canalization kit Ø 160mm. Expanded polyethylene insulation. Consisting of: - 4 insulated pipes Ø 160mm 1m - 2 insulated wall pipes Ø 160mm 0,5m - 2 90° insulated elbow bends Ø 160mm - 4 joints Ø 160mm - 2 grids for insulated pipes Ø 160mm	3078088		•
Insulated pipe 1m Ø 160mm	3078090		•
Insulated pipe 0,5m Ø 160mm	3078091		•
Insulated pipe 0,5m Ø 160mm	3078089		•
Insulated joint Ø 160	3078093		•
Insulated 90 ° elbow bend Ø 160	3078092		•
Grid for insulated pipes Ø 160	3078094		•
AIR KIT WITH RIGID PIPE Ø200 The kit consists of flexible grate with springs, two rigid pipes (1 and 2 m) and a connector.	3208071	•	•
Pipe ø200 1m	3208072	•	•
Pipe ø200 2m	3208073	•	•
Connection ø200	3208074	•	•
90° elbow ø200	3208075	•	•
45° elbow ø200	3208076	•	•
2 wall brackets for pipe ø200	3208077	•	•
Flexible grate with springs ø165-200	3208078	•	•
Silencer ø200	3208085	•	•
Safety hydraulic group ¾"	877085	•	•
Siphon 1"	877086	•	•
Battery kit	3078096	•	•

THE ELECTRIC STORAGE WATER HEATER RANGE DESIGNED TO PROVIDE

THE MAXIMUM SAVING AND TOTAL COMFORT

ENERGY CLASS A

LYDOS HYBRID Wi-Fi
/ Maximum Saving and comfort

ELECTRIC STORAGE WATER HEATERS MEDIUM CAPACITY

	LYDOS HYBRID WI-FI	
	80	100
ENERGY CLASS	**A** savings of 50% vs a class B	
TAPPING PROFILE	**M**	
POWER (kW)	1,2	
CONNECTIVITY	Integrated	
INSTALLATION	Wall-hung (V)	
HEATING TIME T 45°C (h, min)	Depending on the mode selected	
SMART DISPLAY	Yes	
ENAMELLING	Titanium	
PHASE	Single-phase	
HEATING ELEMENT	Enamelled incoloy alloy	
ANODE	Active+magnesium	
COMFORT MODES	I-Memory, Boost, Green, Program	
TEMP CONTROL	Electronic	
COMMERCIAL CODE	3629064	3629065
PAGE	54	

LYDOS HYBRID Wi-Fi

THE FIRST ELECTRIC WATER HEATER WITH HYBRID TECHNOLOGY IN ENERGY CLASS A

EVERYDAY HOT WATER COSTS YOU HALF

With 50% of energy saving compared to the most effcient standard electric water heaters in Class B, the new Hybrid Intelligence combines electric and renewable heat pump energy to adapt to the use habits.

HYBRID TECHNOLOGY
DOUBLE ENERGY AT ONCE

The exclusive hybrid technology provides extraordinary performances thanks to the combined use of two power sources, electricity and renewable heat pump energy.

THE POWER OF ELECTRICITY
The electric heating element intervenes in the production of hot water when quick heating is required, thanks to the enamelled heating element and the high-resistance tank.

THE EFFICIENCY OF RENEWABLE HEAT PUMP
The heat pump extracts heat from the air in the surrounding environment, through a thermodynamic cycle and a refrigerant fluid allowing the transfer of heat from air to water.

HYBRID INTELLIGENCE

i-MEMORY FOR COMPLETE MANAGEMENT OF HYBRID TECHNOLOGY

By learning from your habits, the innovative **i-Memory software** effciently manages the **Hybrid technology,** choosing the most convenient option between **electric and renewable heat pump energy.**

- It balances the electric and the renewable heat pump powers of the Hybrid technology.
- It ensures always the hot water you need exactly when you need it by memorizing your hot water usage for four weeks and adjusting it from time to time based on your habits.

SUPERIOR COMFORT

QUICK AND EASY HOT WATER SUPPLY FOR ALL TYPES OF NEEDS

Hot water supply for the **first shower gets 15%* faster** compared to other standard electric water heaters. When the first shower is available, the **Shower Ready** icon lights up. Whenever needed, the water heating's speed and power can be increased using the **Boost function.**

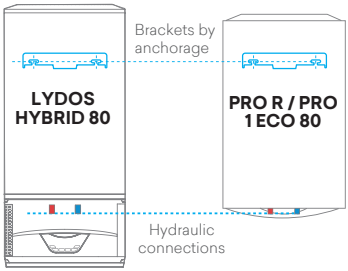
*Internal lab tests.

MULTI-POSITION PERFECT ADAPTABILITY

Designed to allow a perfect match with the installation requirements of a standard electric water heater for a quick and easy set up.

/ No extra works required, with the compatibility of fixing brakets and pipes af a standard electric water heater installed at home.

/ Hydraulic connections are completely hidden inside the product's structure.



ENERGY CLASS A
SAVE 12 MIO /IDR IN 5 YEARS*

	ENERGY CONSUMPTION	ANNUAL COST (IDR)	COST (IDR) IN 5 YEARS
Water heaters in Class D	**11,40** kWh/day	**6 MIO** annual	**30 MIO**
Lydos Hybrid	**6.90** kWh/day	**3.6 MIO** annual	**18.2 MIO**

	ANNUAL	IN 5 YEARS
SAVINGS WITH LYDOS HYBRID	~ **2.4 MIO**	~ **12 MIO**

* Total energy savings calculated with respect to a class D water heater, on the basis of the average annual energy consumption of a 3-person household & same capacity and maximum temperature set, 1467 IDR /kWh electricity tariff and product installed in a room with an average annual temperature of 30°C.

LYDOS HYBRID Wi-Fi

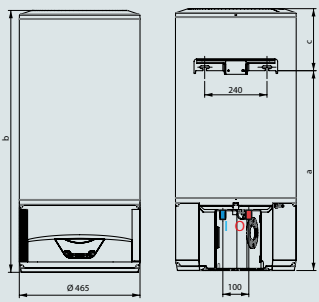
ENERGY EFFICIENT · i-MEMORY · ANTI-LEGIONELLA · EASY INSTALLATION · ITALIAN DESIGN · TITANIUM PLUS · DISPLAY ECO

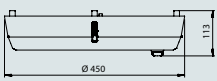
- / First ever class A medium capacity electric water heater
- / Savings of 50% compared to a class B water heater
- / i-Memory, Program, Green and Boost Modes
- / Active + magnesium anode
- / on Heating elements enamelled with Incoloy, a noise-reducing and anticorrosion nickel alloy
- / Replacement of old water heaters
- / Easy to install
- / Concealed hydraulic connections
- / Accessory condensate collection tray available

ENERGY CLASS

A

CE





TECHNICAL DATA		80	100
Nominal Capacity	l	80	100
Heating element power	kW	1,2	1,2
Average electrical power consumption	kW	0,19	0,19
Max. electrical power consumption	kW	1,42	1,42
Voltage	V	220-240	220-240
i-Memory heating time (T=43°C)	h,min	5,25	7,03
Boost heating time (T=43°C)	h,min	2,34	3,13
Green heating time (T=43°C)	h,min	9,21	12,18
Maximum operating pressure	bar	8,0	8,0
Min/max air temperature	°C	12/40	12/40
Sound power	dB	49	49
Diameter of condensate drain	mm	127	127
Weight	kg	37,5	44
Protection	IP	X4	X4
Type of refrigerant		R134a	R134a
Refrigerant charge	g	180	200
GWP		1430	1430
CO2 equivalents	t	0,257	0,286
OVERALL DIMENSIONS			
a	mm	784	934
b	mm	1009	1153
c	mm	225	219

LYDOS HYBRID WI-FI		80 L	100 L
ErP	Energy class	A	A
	Tapping profile	M	M
CODE		3629064	3629065

ACCESSORIES	Code
Condensation drip water tray	3629055

LEGEND
I 1/2" M cold water inlet
O 1/2" domestic hot water outlet

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

AQUA ARISTON NET
SMARTLY CONNECTED TO YOU.

Aqua Ariston Net App* connects you with Lydos Wi-Fi wherever you are and **ensures maximum comfort, energy saving** up to **25%**** and **peace of mind.** Hot water waits for you, always available for whenever you want, for the relaxing shower after a long day outside.

COMFORT

/ **Shower-ready notification** for hot water.
/ Information on the **next available shower timing.**
/ **Water temperature** always updated.

ENERGY SAVING

/ **Weekly schedule** to have hot water just when needed.
/ **Energy Consumption reports** to continuously monitor your own habits.

PEACE OF MIND

Push notification in case of problems to the system to be always informed on product's status and to guarantee you assistance.

PLUG&PLAY INSTALLATION IN 3 STEPS

Connect your product in 3 simple steps to have all the Aqua Ariston NET advantages

1. PRODUCT INSTALLATION
2. ACCOUNT REGISTRATION
3. WI-FI CONFIGURATION AND PRODUCT REGISTRATION

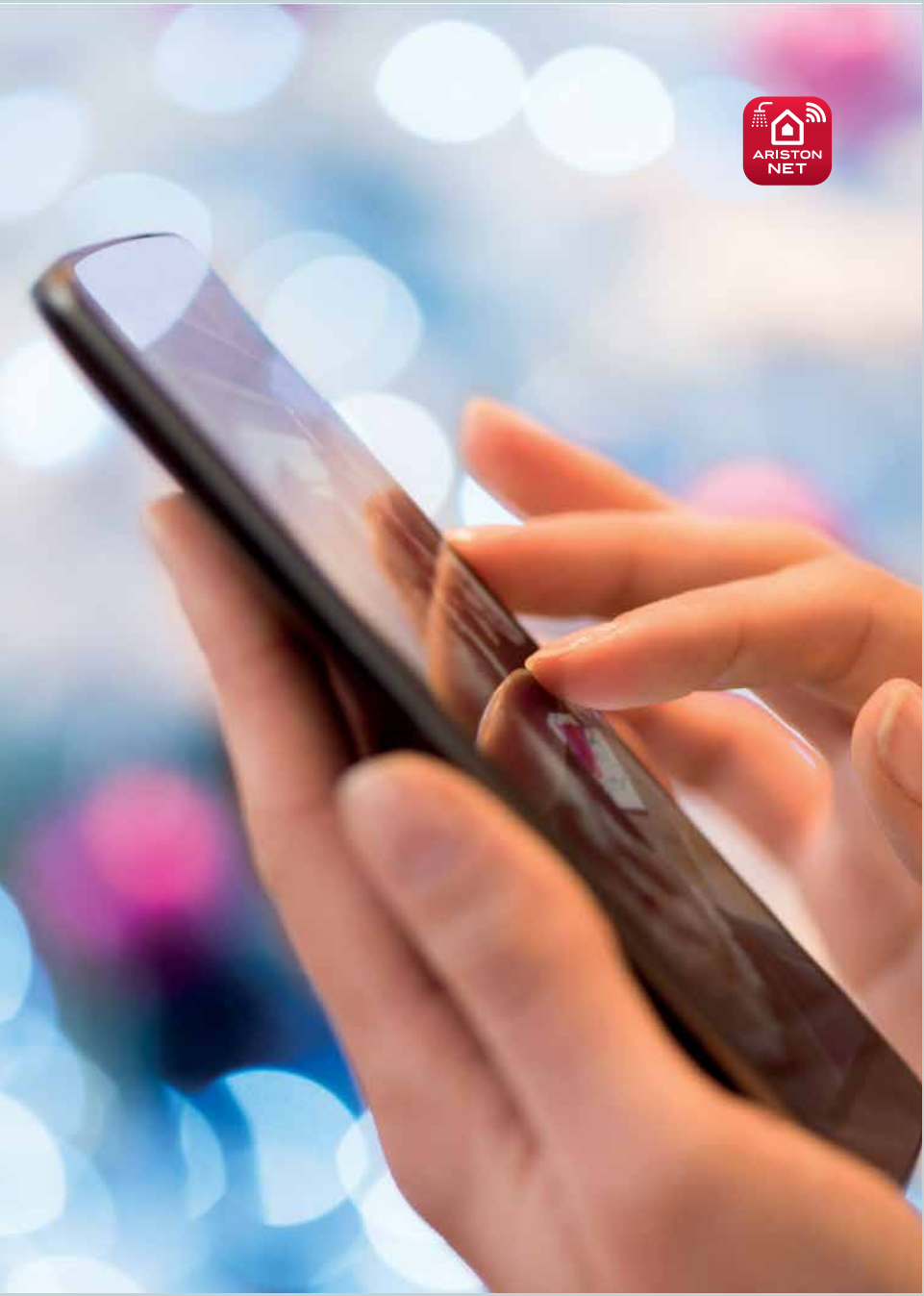
Download the App for free

Download on the App Store

ANDROID APP ON Google play

For further information, visit our website **ariston.com**

* Aqua Ariston Net App, only on Wi-Fi models.
** Estimated saving up to 25% on daily basis, compared to Ariston standard mechanical product.


ARISTON
NET

HOW TO READ THE SYMBOLS

The icons have been designed to facilitate the reading of the features of each product. Ariston makes it possible, from the very beginning, to quickly and easily identify performance levels, understand the different ranges and evaluate purchasing criteria. In short, users can familiarise themselves with each machine without becoming confused or wasting time, in line with the Ariston philosophy of always offering the customer - and the professional technician - a service which is clear and easy to use.

ENERGY EFFICIENT
Better exploitation of energy and renewable sources, enhanced performance

INTEGRATION WITH PHOTOVOLTAIC SYSTEM
Connection with photovoltaic systems

ITALIAN DESIGN
The elegant aesthetics is designed in collaboration with Italian designers, an attention to details that dares to be shown off

ANTI-CORROSION
Longer durability and high performance thanks to the anti-corrosion Pro-tech technology

WIFI
Smart Connectivity - Aqua Ariston Net App

i-MEMORY
Function that learns your habits and choses accordingly the best option between utilizing the renweable energy of the heat pump, and activating the heating element

ANTI-LEGIONELLA
Automatic water heating cycle to prevent bacterial growth.

DISPLAY ECO
Frontal led control panel with smart thermometer

EASY INSTALLATION
Installation time and process optimized in cooperation with experts and professionals

SOLAR INTEGRATION
It can be connected in system with Ariston solar-sourced products

ANTI-FREEZING
Works at cold temperature

ARISTON

COMFORT ALWAYS ON

ADD MORE PEACE OF MIND TO YOUR COMFORT

Greenland, April 2018 | aristoncomfortchallenge.com


ARISTON
SERVICE

ARISTON
SERVICE

FIRST CLASS SERVICE

Ariston SERVICE model is designed to offer **effciency and professionalism** to all its customers. A capillary Network of Authorized Service Centers all over the world, constantly trained and updated to guarantee the highest level of competence and Know how on the complete products range, makes Ariston able to provide to all Customers a quick, competent and highly **qualified Service** to meet and satisfy the specific needs of all its customers.

GENUINE ARISTON SPARE PARTS

Genuine ARISTON Spare Parts are built and tested to maintain the best quality and reliability of your Ariston product.

Only using genuine components you will keep your system in the best standard configuration, fulfilling legal and warranty requirements.

To keep your Ariston product working effciently and safely we strongly recommend to get your appliance serviced every year, requiring always new **Genuine Ariston Parts** and recommended Ariston products for system cleaning. Only genuine parts give you the high safety standard always guarantee by Ariston products design.

CALL CENTER
1500986

ARISTON SERVICE NETWORK

- Jabodetabek
- Bandung
- Batam
- Balikpapan
- Banjarmasin
- Banyuwangi
- Bangka
- Blitar
- Cirebon
- Cianjur
- Denpasar
- Jambi
- Jember
- Kediri
- Lampung
- Makasar
- Malang
- Madiun
- Manado
- Medan
- Pekanbaru
- Padang
- Palembang
- Purwokerto
- Samarinda
- Pontianak
- Semarang
- Solo
- Surabaya
- Tasikmalaya
- Yogyakarta
- Garut
- Tasikmalaya
- Mojokerto
- Palu
- Kendari

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Find the nearest service center at **ariston.com/id**