ARISTON

The home of sustainable comfort

Heat pumps catalogue

HOT WATER ⌂ HEATING ⌂ RENEWABLE

The home of **sustainable comfort**

As a leading specialist in heating and water-heating with over 90 years of history, Ariston understands well the challenges in creating practical and high-performance products and systems that guarantee exceptional levels of comfort and efficiency. That is why it has set itself a new mission – to give more homes access to sustainable comfort solutions using less energy and effort.

To this end, it has further strengthened its commitment to delivering high-quality, renewable and energy-efficient solutions that can simplify and improve the quality of home life while empowering people to live more sustainably.

By successfully combining its global reach with an in-depth focus on the needs of the different markets where it has a presence, Ariston prides itself in being the home of sustainable comfort: a reference brand trusted worldwide by millions of families and industry professionals longing for advanced thermal comfort solutions that not only are easy to use and maintain but also use as little energy as possible.

Our story, driven by your needs

Ariston's continuous growth has been fueled by its commitment to provide people with reliable and highly-efficient comfort solutions to improve and enjoy life at home.
Each step of the way we have been driven by the existing and emerging needs of our customers, and our solutions have been conceived with their lifestyle in mind.

'30s Foundation

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

'80s Heating

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

'60s **Water** heating

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

'90s

Global expansion

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

'10s

Ariston Comfort Challenge

With this mission, Ariston proved the ability of its products to guarantee exceptional performance, durability and efficiency's levels in every condition, even where it seems impossible. It was a huge challenge, but it was just the beginning.

'00s

Renewable technologies

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

'20s

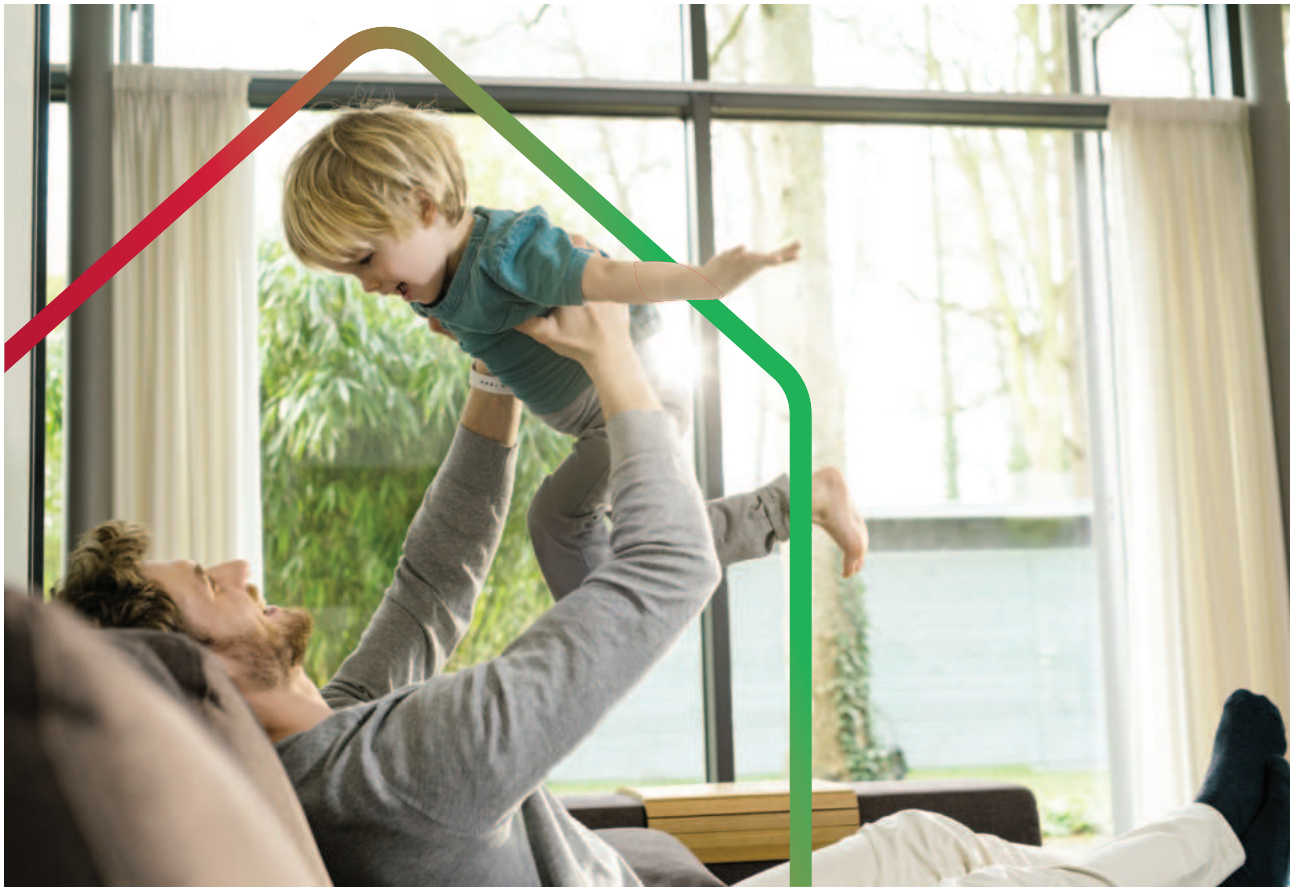
The home of sustainable comfort

We strengthen our commitment to providing our end-users with products that generate heating and hot water in the most efficient and renewable way possible. A tangible sign of our dedication to respecting everything that surrounds us.

Why **choose Ariston?**

We are a global **thermal comfort specialist**

Standing out as global leader in heating and water-heating with more than 90 years of expertise, Ariston boasts an extensive product and service portfolio equally focused on the provision of renewable and high-efficiency heating and hot water solutions. With its proven ability to meet the local needs of every country where it has a presence, our company is trusted and welcomed by millions of families around the world, while also being the preferred choice for thousands of professionals.



We are masters of **renewable and high-efficiency solutions**

Sustainable comfort lies at the heart of our company and our commitment is to provide our customers with products and systems that generate heating and hot water in the most efficient and renewable way possible, whatever their energy source. Choosing Ariston means gaining access to a broad and comprehensive range of high-performance and easy-to-use solutions that not only will play a significant role in the reduction of energy bills, but also represent the perfect upgrade for a more sustainable home thanks to smart connectivity and the latest technologies being developed for environmentally-friendly heating and water heating.

2.5%
of revenues invested annually in R&D with growing focus on renewable products*

79%
of turnover from innovative products (younger than 5 years)*

Efficient
hybrid systems
tailored for every need

Commitment to frontier R&D
(Hydrogen, gas absorption heat pump, demand-response, natural refrigerants)

Connectivity in all Heating and Water Heating segments

*The data refer to Ariston group, worldwide portfolio of solutions.

We are dedicated to **enduring quality**

Our products and solutions are made to last, so are of the highest quality. We achieve this by using the best components and materials available and through rigorous checks taking place before, during and after production. For maximum serenity, every product we sell comes with a solid warranty. But not only that; anyone purchasing one of our products can be reassured there will always be a point of contact available to deal with anything.
High standards of quality apply to all our processes and functions: our facilities are involved in a continuous performance and quality monitoring process, constantly improving every aspect of manufacture, plant maintenance and distribution logistics.

100%
checked and tested products

>95%
of our products require no technical interventions in their first 5 years of service*

High-quality
after-sales service
always available

Effective
warranty
guarantees

*The data refer to Ariston group, worldwide portfolio of solutions.

We are champions of **home and planet**

Italian in origin, since its founding in 1930 Ariston has been synonymous with innovation and sustainability and has been driven by the mission to make every home a haven of comfort – while maintaining a strong focus on the environment. As a leading global brand, we now feel at home in almost every part of the world. And because we see the world as the home we all share, we develop products and solutions that represent an accessible and effective way for anyone to improve and enjoy life at home while making more responsible and energy-conscious choices.

Believe in **sustainability**

Our purpose is to provide everyone, in every corner of the world, with high-quality heating and water heating solutions, while protecting the environment.
To this end, we have placed energy efficiency and technologies using energy from renewable sources at the centre of our sustainable growth strategy, thus acting consistently with the sustainable development goals endorsed by the General Assembly of the United Nations.

This commitment is reflected in the effort we invest in developing efficient and sustainable products, solutions and processes that can make a decisive contribution to reducing energy consumption and environmental impact without sacrificing comfort.

The economic, social and environmental impacts generated through Ariston Thermo Group's operations contribute towards 9 of the 17 sustainable development goals, including:

Sustainable cities and communities

Ariston Thermo Group's commitment to energy-efficient solutions will enable citizens to use clean energy to its fullest potential. Replacing low-efficiency products with Ariston's new high-efficiency technologies will allow to curb carbon dioxide emissions by more than 3,4 Mln tons by 2022*.

Responsible consumption and production

All of our production plants around the world are at the centre of Ariston Thermo Group's energy efficiency plan. This consists in a long-term strategy that in 2019 allowed the Group to achieve a remarkable result: over 10,000 tons of CO2 equivalent avoided thanks to the energy efficiency of the production processes.

Climate action

During 2019 the Ariston Comfort Zone, a modular house equipped with Ariston's most advanced and efficient technology, enabled a group of researchers from the University of Copenhagen tasked with studying how climate change is affecting the Arctic ecosystem to conduct 22 new studies.

Connected services

Enjoy seamless connectivity

Ariston's product range includes a variety of Wi-Fi enabled solutions dedicated to comfort.

Designed to deliver always-on connectivity, our hot water and heating systems can be controlled remotely using a smartphone or through all main smart home platforms*.

The key to your smart home

Ariston products, together with other home appliances, will help you bring your smart home project to life. The advantages of having a connected home are many, and there will be many more in the years to come. Look for the products compatible with Ariston NET & Aqua Ariston NET to benefit from all of them, both now and in the future. Regardless of your lifestyle, managing your personal comfort has never been more natural.

/ Ariston NET App for connected heating products

/ Aqua Ariston NET App for connected water heaters

*Voice control & Apple/Amazon/Google integration are available for selected heating products.
Refer to product pages for the details on the compatibility.


ARISTON
ECO
32°
54°
5°
70°
Remaining time 1:28
HOME

Aqua Ariston NET

Give yourself a warm welcome home

Management and control of your water heating system have never been easier and more comfortable. Aqua Ariston NET App connects you with your water heater wherever you are, thus ensuring always-on comfort, up to 25%* energy savings and total peace of mind. Hot water is always available whenever you want, to let you enjoy a relaxing shower after a long day outside.

With Aqua Ariston NET, the possibilities are endless:

- / Set and manage your water temperature.
- / Receive a real time notification when your shower is ready.
- / Schedule weekly shower needs for all your family.
- / Change working mode (ECO, I-memory, etc.).
- / Monitor your consumption pattern to save up to 25% on energy bills every year.
- / Check out energy-saving tips for a more responsible and eco-friendly use of your water heater.
- / In case of system failure, get alerts providing an error description of the problem to facilitate technical assistance.

* Estimated saving up to 25% on daily basis, compared to Ariston standard mechanical products.


ARISTON
SERVICE

Pre-Sales and After-Sales technical support

Our services

We are always at your side In all phases of the realization of a project.

From the design of a plant, to the construction of the system itself and even after commissioning, a team of Ariston specialists is constantly available to provide support and assistance.

Pre-Sales

A team of technicians and engineers offer their support and their experience in the design of key-on-hand solutions, providing them with products, designs and maintenance services.

Technical Consultancy Center

The Technical Consultancy Center provides every day specialist consultancy and timely responses on the technical characteristics of installations.

The technical team is the right interlocutor with whom interface for design and maintenance of complex plants.

After-Sales

Our qualified Service Network provides technical support for startup, maintenance, troubleshooting and repair interventions, by remote and on field as well.

Our mission is to deliver high level of service, through solid know-how and quality of genuine spare parts, in order to ensure the Ariston products performance, long term reliability and make them exceed the Customer expectations.

ERP

Are you up-to-date with the new regulations?

Since 26 September 2015, the new European Union regulations define minimum efficiency and energy labelling requirements for boilers, heat pumps, micro-cogeneration, water heaters and hot water tanks.

On 26 September 2018 have been introduced new limits of NOx emissions, in addition to the efficiency limits already in force. The NOx limits have been applied to products placed on the market starting from 26 September 2018. Products purchased before that date and already in retail outlets or distribution warehouses can continue to be sold and installed, even though they do not comply with the new requirements.

26.09.2015

A++ (space heating) / **A** (water heating)

Compulsory labelling on space heating and water heating products (energy class)

Minimum performance requirements for space heating and domestic hot water production

2017

A+

introduced for domestic hot water production

26.09.2018

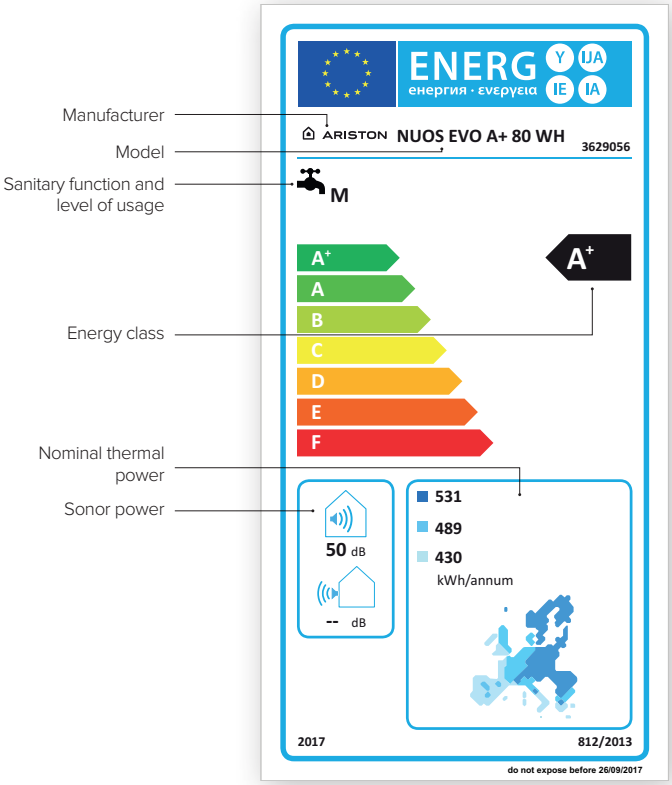
New limits for NOx emissions < 56 mg/kWh (for gas fuels)

26.09.2019

A+++

introduced for space heating

DISCOVER THE LOW NOx - EMISSION RANGE INSIDE THE CATALOGUE



Energy label of a boiler

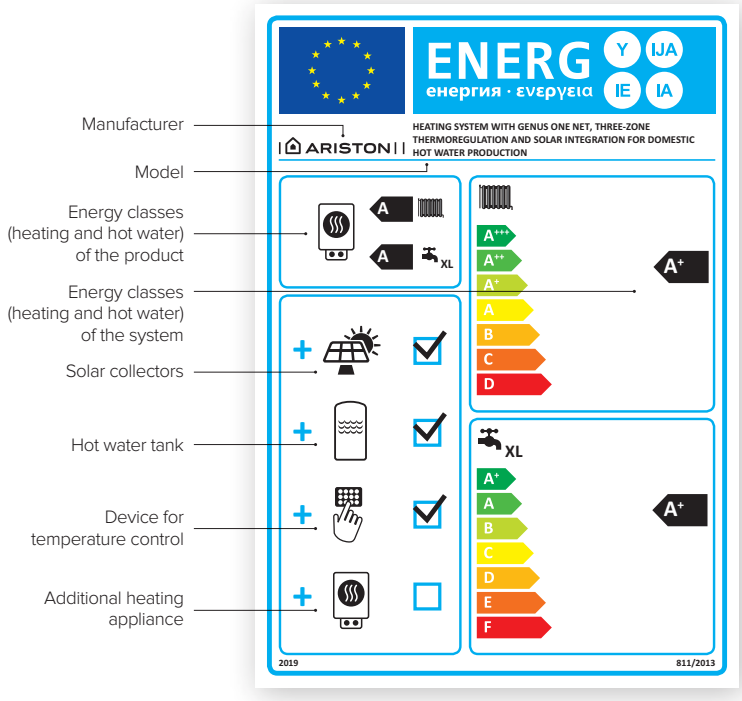
Product label

There are different labels, depending on the type of product and service guaranteed.

The efficiency classes A, A+ and A++ indicate the products with higher performance.

There are two different classifications for the heating and water production services; for products which can provide both services, labels must show both the classifications.

In addition to the energy class, the labels display information to help consumers choosing the most efficient prodcts with less environmental impact (power consumption in different weather areas noise, etc...).



Energy label of a combi boiler

System label

All devices for which it is proposed (or expected) a combination with predefined devices, must have a second label, in addition to the product label and technical documentation, advertising and promotional materials showing its performance.

Who sells these systems will be responsible for define the achieved performance (through an automatic algorithm) and inform his client.

In this catalogue

Heat pump water heaters

Ariston's integrated renewable systems are designed to meet any hot water demand, while ensuring low energy consumption by absorbing the heat from outside air. With their cost-effective and environmentally-friendly operation, they represent the perfect upgrade for a more sustainable home.

Nuos range

Equivalent Capacity value mentioned in this catalogue identifies a product category.
Storage volume is specified in technical documents included in the product.

Nuos range

Fully customizable for saving energy up to 80%*

NUOS EVO A+

NUOS PLUS Wi-Fi

NUOS PRIMO

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.

* Compared to traditional electric storage water heaters

NUOS SPLIT INVERTER Wi-Fi WH **NUOS SPLIT INVERTER Wi-Fi FS** **NUOS SPLIT**

Renewable 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.

Thanks to the **Aqua Ariston NET** app, the **Nuos Split Inverter Wi-Fi** and **Nuos Plus Wi-Fi** 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

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 wate**r, guaranteeing up to 80% energy saving*(A)(B) compared to traditional electric storage water heaters.

The modulating power provided by **the Inverter Technology (B) and the electronic expansion valve installed in the refrigerant circuit allow to reach a temperature of up to 62°C** with the most efficient COP in the market, with short heating-up time and low noise. For added efficiency, Nuos can be conveniently coupled with other heat generators (solar or boiler) (A) and photovoltaic panels(A)(B). Moreover, all top models boast energy class A+.

* Compared to traditional electric
(A) Only Nuos Plus Wi-Fi
(B) Only Nuos Split Inverter Wi-Fi

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 boasts the shortest water heating time in the category*.

* According to EN 16147 regulation

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**. 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 2-year warranty.

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, efficiency and energy saving. Field testing in real domestic environments around the world has been conducted to assess the quality, efficiency and performance of the entire range.

(A) Only Nuos Plus Wi-Fi
(B) Only Nuos Split Inverter Wi-Fi

Smart connectivity

Control Nuos from anywhere

Italian design

Unique combination of technology and style

Flexible installation

Customized solutions for all needs

Mono-block or split type, all Nuos models come with specific accessories for all types of installation requirements and can easily fit into spaces where traditional water heaters can't.

For split installation, the internal and external units can be installed 20 meters far for each other and with a 10-meter height difference.

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 provides more intuitive interaction and easier water temperature management. (A)(B)

LCD display with full text and intuitive menu

(A) Only Nuos Plus Wi-Fi
(B) Only Nuos Split Inverter Wi-Fi

Nuos range:
Comparing technologies

The **Monobloc** 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 Wi-Fi
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
/ **Photovoltaic**: can be integrated with a photovoltaic system to exploit entirely renewable energy

3h41min*
THE LOWEST HEATING TIME ON THE MARKET*

80%
ENERGY SAVING COMPARED TO A CONVENTIONAL ELECTRIC WATER HEATER WITH THE SAME CAPACITY

3,62
COP**

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

* 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)

Split heat pump water heaters consist of an outdoor unit where the thermodynamic cycle takes place and an indoor unit in which the refrigerant gas/domestic hot water heat exchange takes place. They ensure the utmost installation flexibility, low bulk and silent operation.

Nuos Split Inverter Wi-Fi

Maximum distance between outdoor and indoor unit

/ **Photovoltaic**: can be integrated with a photovoltaic system to exploit entirely renewable energy

/ **DC inverter technology**: the outdoor unit is equipped with DC Inverter technology: the water temperature is kept constant by reducing the ON/OFF cycles.

15dB(A)
INDOOR UNIT SOUND POWER

20m
MAXIMUM DISTANCE BETWEEN OUTDOOR AND INDOOR UNIT

3,84
COP***

*** Data refers to NUOS SPLIT INVERTER Wi-Fi 270 with 14°C air T (EN 16147)

1 / Fan
2 / Display touch
3 / Evaporator
4 / Compressor Inverter DC
5 / Wrapped condenser
6 / Electrical kit

Heat pump technology

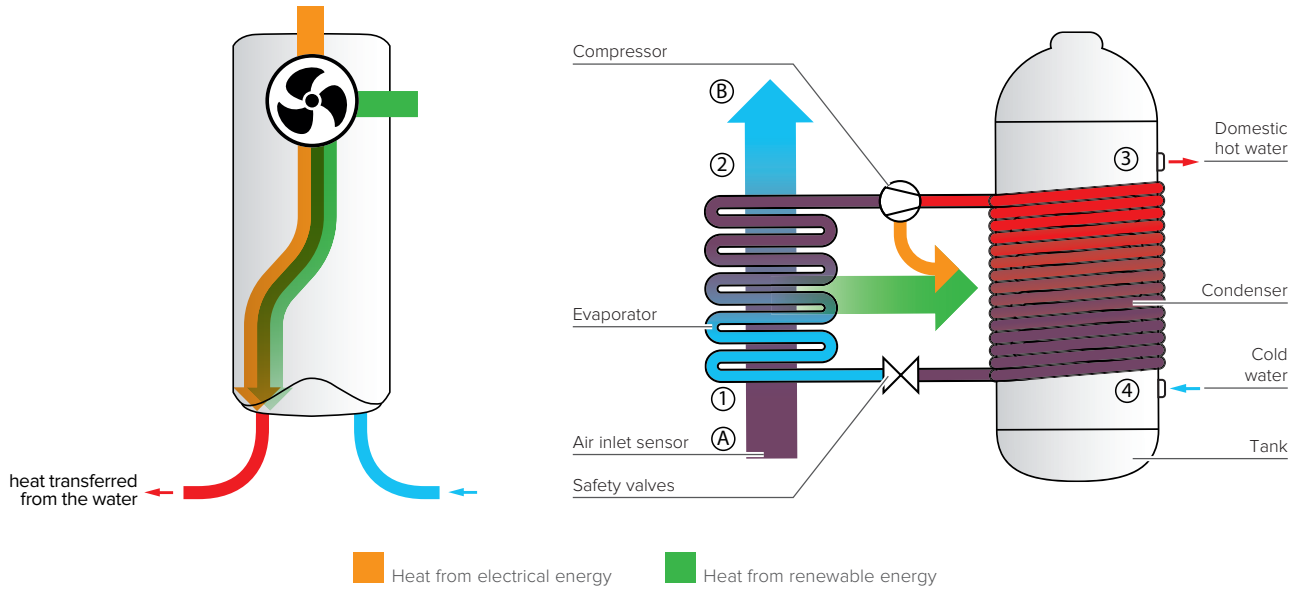
Nuos range uses a **thermodynamic cycle to heat the water inside the storage tank** through the air sucked by the thermal group inverting the heat natural flow. A refrigerant fluid (R134A), through status changes, compression and expansion cycles, withdraws the heat in the air at low temperature and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

HOT WATER	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.

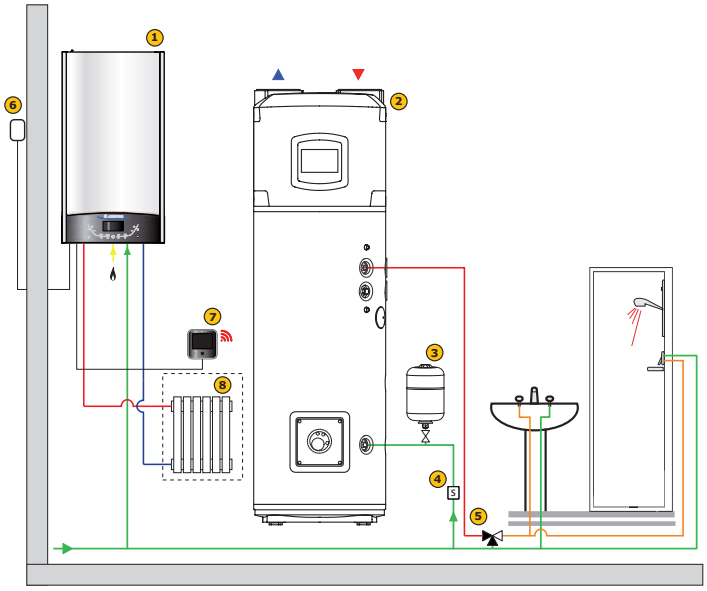
3-4 / Within the condenser, the refrigerant fluid gives its heat to the water which warms up. By doing this, the refrigerant condensate at constant pressure (20 bar) and then experiences a significant reduction of temperature. (70 –>40°C).

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.

Single-family solutions

Domestic hot water from renewable source with heat pump water heater

Heating with condensing wall-hung boiler



Legend

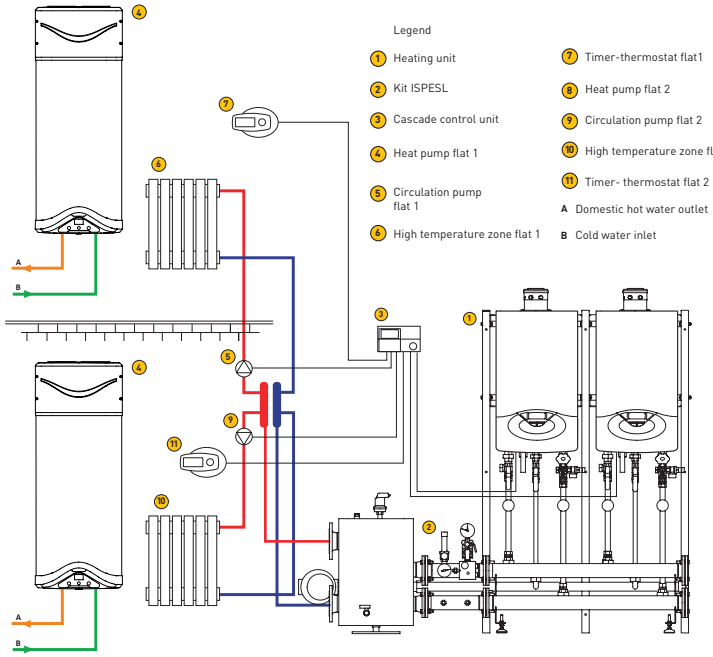
1. Wall-Hung Boiler
2. Heat Pump Water Heater Nuos
3. Expansion Vessel
4. Safety group
5. Domestic hot water Mixing valve
6. External probe
7. Room sensor Cube S NET
8. Heating zone

Arrange an appropriate hydraulic safety group

Multi-family solutions

Domestic hot water from renewable source with individual wall-hung heat pump water heater

Centralized heating system with condensing boilers



Legend

1. Heating unit
2. Kit ISPESL
3. Cascade control unit
4. Heat pump flat 1
5. Circulation pump flat 1
6. High temperature zone flat 1
7. Timer-thermostat flat1
8. Heat pump flat 2
9. Circulation pump flat 2
10. High temperature zone flat 2
11. Timer- thermostat flat 2

A Domestic hot water outlet

B Cold water inlet

Arrange appropriate hydraulic safety group

Monoblock heat pump water heater

	NUOS EVO A+ WH			NUOS PLUS Wi-Fi			
	80	110	150	200	250	250 SYS	250 TWIN SYS
ENERGY CLASS	A+	A+	A+	A+	A+	A+	A+
TAPPING PROFILE	M	M	L	L	XL	XL	XL
TYPE	Monoblock			Monoblock			
INTERNAL UNIT ASSEMBLY	Wall-hung			Floor standing			
OPERATING RANGE AIR (°C)	-5/42			-10/42			
MAX WATER TEMPERATURE (WITH/ WITHOUT HEATING ELEMENTS) (°C)	62/75			62/75			
COP*	2,83	2,75	3,15	3,27	3,62	3,62	3,62
SEASONAL EFFICIENCY %*	117	114	129	136,7	147,9	147,9	147,9
HEATING TIME IN HEAT PUMP (hh:mm)*	04:38	06:04	08:56	03:41	04:37	04:37	04:37
INTEGRATED HEATING ELEMENTS (kW)	1,2			1,0+1,5			
INTEGRATED COILS	-			-	-	1	2
SOUND POWER (dB)	50			55			
OPERATING MODES	Green, Boost, Boost 2, Auto, Program, Voyage, Antilegionella			Green, Comfort, Fast, i-memory, HC-HP, Boost			
SILENCE FUNCTION	Yes			Yes			
PHOTOVOLTAIC FUNCTION	-			Yes			
EDF FUNCTION	-			Yes			
CODE	3629056	3629057	3629074	3069775	3069776	3069777	3069778
PAGE	36			38			

NUOS PRIMO		NUOS PRIMO HC		
80	100	200	240	240 SYS
A	A	A	A	A
M	M	L	XL	XL
Monoblock		Monoblock		
Wall-hung		Floor standing		
10/40		-5/42		
55/75		55/75		
2,32 (Air T 20°C)	2,17 (Air T 20°C)	2,85 (Air T 20°C)	3,15 (Air T 20°C)	3,06 (Air T 20°C)
96	90	115	129	125
05:20	06:36	06:19	07:59	07:57
1,2		2,0		
-		-	-	1
54		53		
Green, Boost, Auto, Program, Antilegionella		Green, Boost, Auto, Program, Antilegionella		
-		-		
-		Yes		
-	-	Yes		
3623238	3623239	3069653	3069654	3069655
40		42		

* Air temperature 14°C, water temperature from 10°C or 15°C to set point.

Nuos Evo A+ WH

Top of the range wall-hung heat pump for domestic hot water production in A+ class

/ High performances and sustainability: environmental friendly heat pump mode to achieve 62°C.
/ Security and durability: Condenser wrapped around titanium enamelled steel boiler, not immersed in water.

Energy Class

A+

ErP

Features

/ Operating range in heat pump mode with air temperature from -5 to 42°C
/ Active anode Protech + magnesium anode
/ Low noise in silent mode
/ LCD display
/ Modes: green, auto, boost, boost 2, holiday and antilegionella modes
/ Product intended for indoor installation

TECHNICAL DATA		80	110	150
COP [A]		2,83	2,75	3,15
COP [B]		2,6	2,5	2,9
Heating time [A]	hh:mm	04:38	06:04	08:56
Min/max air temperature	°C	-5/42	-5/42	-5/42
Max water temperature heat pump only mode	°C	62/75	62/75	62/75
Sound power [D]	dB(A)	50	50	50
Average electrical power consumption in heat pump mode	W	250	250	250
Max electrical power consumption in heat pump mode	W	350	350	350
Max Qty of domestic hot water at 40°C [B]	l	85	128	182
Nominal storage tank capacity	l	80	110	147
Max operating pressure	bar	8	8	8
Voltage/Max. power consumption	V/W	220- 240 single - phase/1550		
Heating element power	W	1200	1200	1200
Standard air flow rate	m^3/h	100-200	100-200	100-200
Min volume of the installation room	m^3/h	20	20	20
Empty weight	kg	50	55	61
Electrical system protection grade		IP24	IP24	IP24
Insulation thickness	mm	41	41	41
Water connections diameter	,	1/2 M 1/2 M 1/2 M	1/2 M 1/2 M 1/2 M	1/2 M 1/2 M 1/2 M
Min Temperature of storage tank room	°C	1	1	1
Heat dispersion (Pes) [B]	W	12	16	20
Available static pressure	Pa	65	65	65
Annual energy consumption (average climate) [C]	kWh/year	479	495	858
Seasonal efficiency [C]	%	107,1	103,8	119,3

F-GAS DATA

Refrigerant type		R-134a	R-134a	R-134a
Refrigerant charge	g	500	550	600
GWP		1430	1430	1430
CO2 equivalents	t	0,715	0,787	0,858

CODE

ErP		3629056	3629057	3629074
	Energy class	A+	A+	A+
	Tapping profile	M	M	L

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.

[A] Values obtained with 14°C outdoor air temperature and 87% relative humidity, 10°C inlet water temperature and 52°C set temperature (EN 16147). Ducted product Ø150 rigid.
[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 53 °C (according to the provisions set forth in EN 16147). Rigid Ø150 ducted product.
[C] Values obtained with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and set temperature of 53 °C (according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation). Rigid Ø150 ducted product.
[D] 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). Rigid Ø150 ducted product.

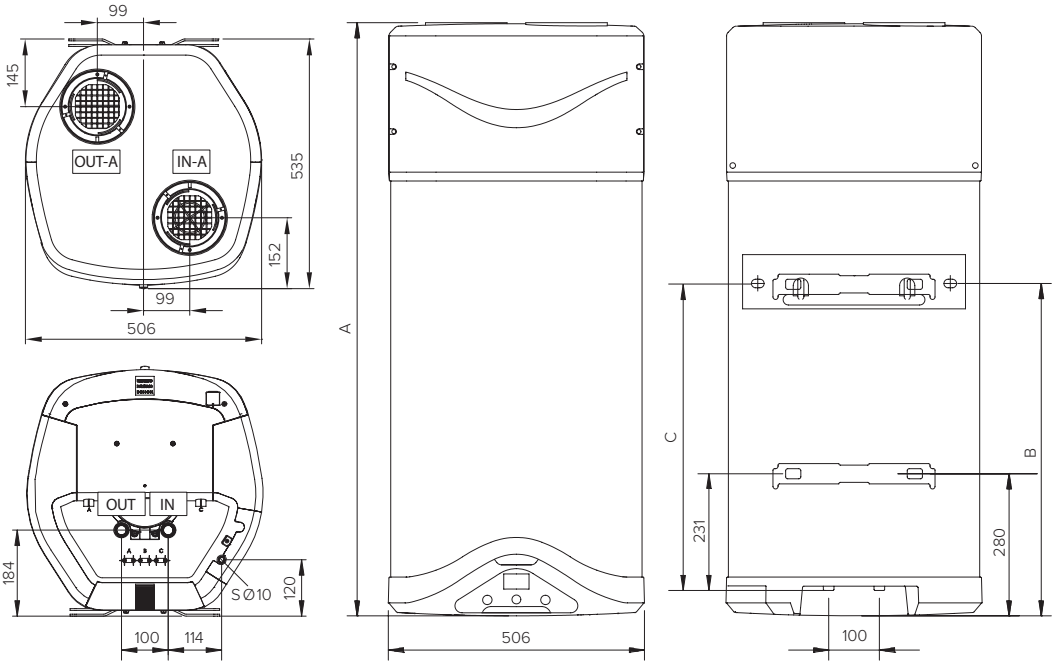
ENERGY EFFICIENT

PROFESSIONAL TECH
ANTI-CORROSION

ANTI-LEGIONELLA

ANTI-FREEZING

DIMENSIONS	80	110	150
A mm	1171	1398	1654
B mm	656	874	1139
C mm	607	825	1090



KEY
S \ condensate drain Ø10mm
IN \ cold water inlet G 1/2”
OUT \ hot water outlet G 1/2”

Nuos Plus Wi-Fi

Top of the range floor-standing heat pump for domestic hot water production in A+ class, with connectivity.

- / Full comfort with lowest heating time on market* and superior COP.
- / Simplified control via smartphone with Aqua Ariston NET app.
- / High performances and sustainability: environmental friendly heat pump mode to achieve 62°C.

Energy Class

A+

ErP

Features

- / Full compatibility with R513A refrigerant gas
- / Integrated photovoltaic function
- / BusbridgeNET® compatible
- / One or two coils and sensors slot to integrate solar thermal, boiler or biomass
- / Active anode Protech + magnesium anode
- / Dual power steatite electrical heating elements
- / Low noise in silent mode
- / LCD display
- / Modes: green, comfort, fast, boost, i-memory, HC-HP, holiday
- / Time scheduling
- / Antilegionella
- / Product intended for indoor installation
- / 100% designed and developed in italy

* Check if local product code is enabled for connectivity.

TECHNICAL DATA		200	250	250 SYS	250 TWIN SYS
COP [A]		3,27	3,62	3,62	3,62
COP [B]		3,1	3,35	3,14	3,21
Heating time [A]	hh:mm	03:41	04:37	04:37	04:37
Min/max air temperature	°C	-10/42	-10/42	-10/42	-10/42
Max water temperature heat pump only mode	°C	62/75	62/75	62/75	62/75
Sound power [C]	dB(A)	55	55	55	55
Sound power (silent mode) [C]	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	m^3/h	650	650	650	650
Min volume of the installation room [E]	m^3	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	m^2	-	-	0,65	0,65
Heating top circuit exchange surface	m^2	-	-		0,65
Heat dispersion (Pes) [B]	W	21	22	23	25
Available static pressure	Pa	230	230	230	230
Annual energy consumption (average climate) [C]	kWh/year	790	1215	1299	1256
Seasonal efficiency [C]	%	130	138	129	133
V40 (Qty of mixed DHW at 40°C) [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	1,859	1,859	1,859	1,859
CODE					
ErP		3069775	3069776	3069777	3069778
Energy class		A+	A+	A+	A+
Tapping profile		L	XL	XL	XL

[A] 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.
[B] 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 in EN 16147 and CDC 103-15/C-2018). Ducted product Ø200 mm.
[C] 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
[D] Values obtained from the average of the results as per the provisions in EN 12102-2. Ducted product Ø200 mm.
[E] Value that guarantees the correct operation and easy maintenance with non-ducted products. The correct operation of the product is nevertheless guaranteed up to a minimum height of 2.090 m

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

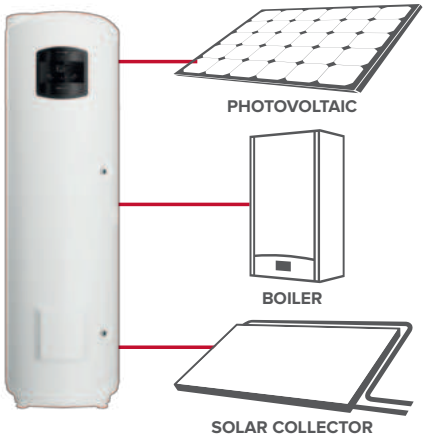
ENERGY EFFICIENT

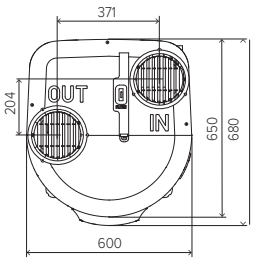
ANTI-CORROSION

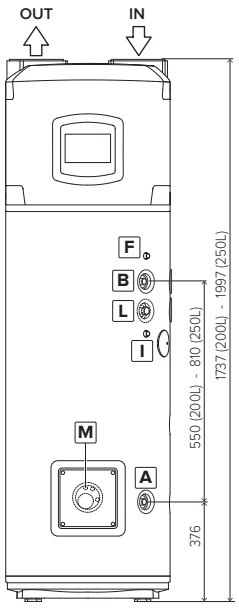
ANTI-LEGIONELLA

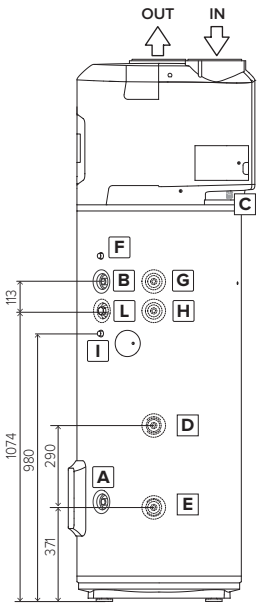
ANTI-FREEZING

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

KEY

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

Wall-hung heat pump for domestic hot water production

/ High performances and sustainability: environmental friendly heat pump mode to achieve 55°C.
/ Security and durability: Condenser wrapped around titanium enamelled steel boiler, not immersed in water.

Energy Class

A

Features

/ Operating range in heat pump mode with air temperature from 10 to 40°C
/ Anti corrosion magnesium anode
/ LED display
/ Modes: green, auto, boost, program
/ Antilegionella
/ Product intended for indoor installation

TECHNICAL DATA		80	100
COP [A]		2,32	2,17
Heating time [A]	hh:mm	05:20	06:36
Min/max air temperature	°C	10/40	10/40
Max water temperature heat pump only mode	°C	55	55
Sound power [C]	dB(A)	54	54
Average electrical power consumption in heat pump mode	W	250	250
Max Qty of domestic hot water at 40°C [B]	l	91	117
Nominal storage tank capacity	l	80	100
Max operating pressure	bar	8	8
Voltage/Max. power consumption	V/W	220-240 single-phase / 1550	
Heating element power	W	1200	1200
Standard air flow rate	m^3/h	170	170
Min volume of the installation room	m^3	20	20
Empty weight	kg	45	49
Electrical system protection grade		IP24	IP24
Insulation thickness	mm	31	31
Water connections diameter	"	1/2 M	1/2 M
Min Temperature of storage tank room	°C	1	1
Heat dispersion (Pes) [A]	W	17	20
Available static pressure	Pa	65	65
Annual energy consumption (average climate) [B]	kWh/year	533	567
Seasonal efficiency [B]	%	96,4	90,6

F-GAS DATA

Refrigerant type		R134a	R134a
Refrigerant charge	g	380	380
GWP		1430	1430
CO2 equivalents	t	0,543	0,543

CODE

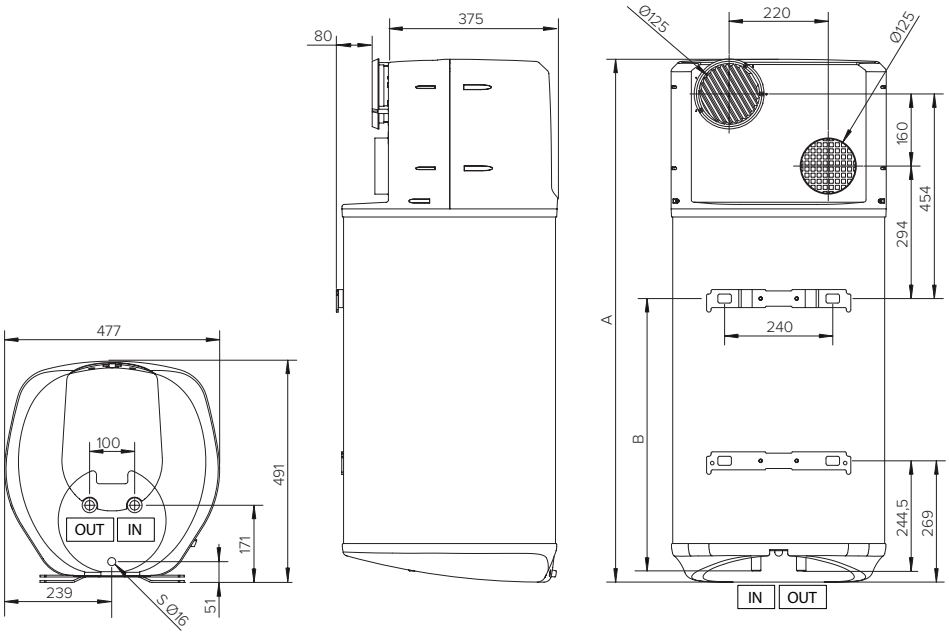
ErP		3623238	3623239
	Energy class	A	A
	Tapping profile	M	M

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.

[A] Values obtained with external air temperature of 20°C and relative humidity at 37%, inlet water temperature of 10°C and set temperature of 55°C (according to the provisions set forth in EN 16147). Product not ducted.
[B] Values obtained with external air temperature of 20°C and relative humidity at 37%, 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). Product not ducted.
[C] Values obtained from average results of three tests carried out with external air temperature of 20°C and relative humidity at 37%, 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). Product not ducted.

ANTI-LEGIONELLA

Dimensions	80	100
A mm	1160	1304
B mm	604,5	748,5



KEY
IN \ Cold water inlet G 1/2”
OUT \ Hot water outlet G 1/2”
S \ Condensate drain

Nuos Primo HC

Floor-standing heat pump for domestic hot water production

/ High performances and sustainability: environmental friendly heat pump mode to achieve 55°C.

Energy Class

A

Features

/ Operating range in heat pump mode with air temperature from -5 to 42°C
/ Coils and sensors slot to integrate solar thermal or boiler (240 SYS)
/ Active anode Protech + magnesium anode
/ LCD display
/ Modes: green, auto, boost, program
/ Antilegionella
/ Product intended for indoor installation

TECHNICAL DATA		200	240	240 SYS
COP [A]		2,85	3,15	3,06
COP [B]		2,71	2,86	2,77
Heating time [B]	hh:mm	06:19	07:59	07:57
Min/max air temperature	°C	-5/42	-5/42	-5/42
Max water temperature heat pump only mode	°C	55/75	55/75	55/75
Sound power [D]	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	m3/h	400	400	400
Min volume of the installation room [E]	m3	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	"	G 3/4 M	G 3/4 M	G 3/4 M
Min Temperature of storage tank room	°C	1	1	1
Heat exchanger surface area	m2	-	-	0,65
Heat dispersion (Pes) [B]	W	28	34	35
Available static pressure	Pa	55	55	55
Annual energy consumption (average climate) [C]	kWh/year	912	1425	1470
Seasonal efficiency [C]	%	112,3	117,6	114
V40 (Qty of mixed DHW at 40°C) [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

CODE

ErP		3069653	3069654	3069655
	Energy class	A	A	A
	Tapping profile	L	XL	XL

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.

[A] Values obtained with external air temperature of 20°C and relative humidity at 37%, inlet water temperature of 10°C and set temperature of 52°C (according to the provisions set forth in EN 16147). Product not ducted.
[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 52°C (according to the provisions set forth in EN 16147). Rigid Ø200 ducted product
[C] 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 2014/C 207/03 - transitional methods of measurement and calculation). Rigid Ø200 ducted product.
[D] 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). Rigid Ø200 ducted product.
[E] Value that ensures correct operation and eases maintenance if the product is not ducted.

INTEGRATION WITH PHOTOVOLTAIC SYSTEM

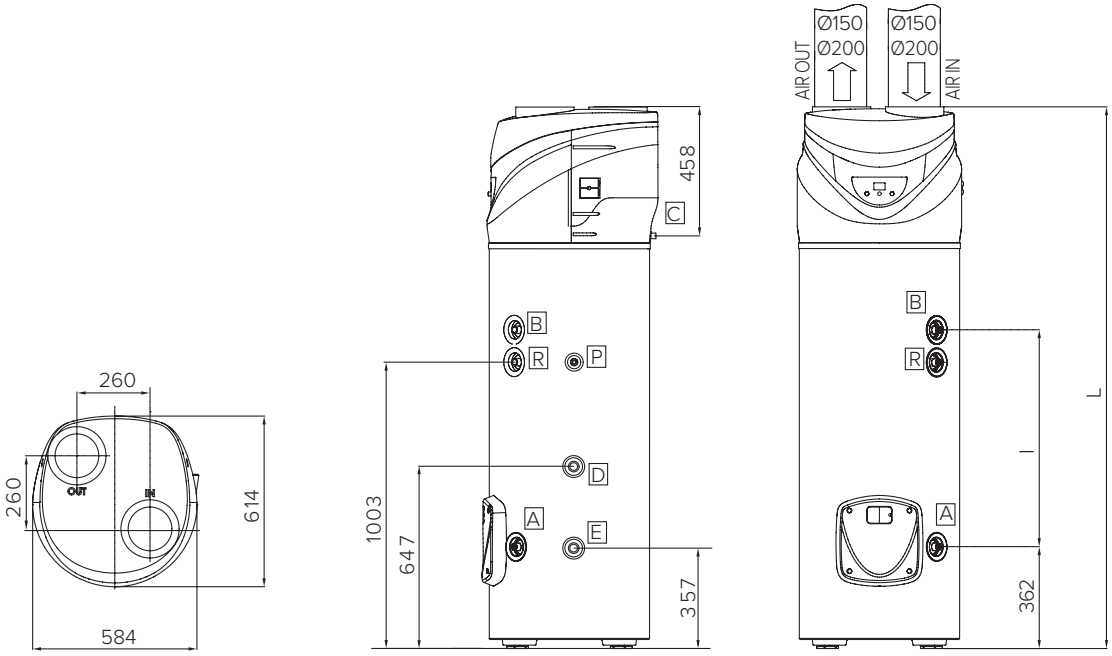
ANTI-CORROSION

ANTI-LEGIONELLA

ANTI-FREEZING

SOLAR INTEGRATION

Dimensions	200	240 (SYS)
l mm	551	771
L mm	1706	1926



KEY

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)

Split system heat pump Water Heater

	NUOS SPLIT WH	
	80	110
ENERGY CLASS	A	A
TAPPING PROFILE	M	M
TYPE	split	
CONNECTIVITY	-	
INTERNAL UNIT ASSEMBLY	Wall-hung	
OPERATING RANGE AIR (°C)	-5/42	
MAX WATER TEMPERATURE (WITH/ WITHOUT HEATING ELEMENTS) (°C)	62/75	
COP*	2,4	2,37
SEASONAL EFFICIENCY %*	99,9	99,4
HEATING TIME IN HEAT PUMP (hh:mm)*	02:39	03:49
INTEGRATED HEATING ELEMENTS (kW)	1,2	
INTEGRATED COILS	-	
SOUND POWER (dB)	U.I. 15 U.E. 57	
OPERATING MODES	Boost, Boost 2, Auto, Voyage	
SILENCE FUNCTION	-	
PHOTOVOLTAIC FUNCTION	-	
CODE	3623242	3623243
PAGE	46	

* Air temperature 14°C, water temperature from 10°C or 15°C to set point.

NUOS SPLIT INVERTER Wi-Fi WH		NUOS SPLIT INVERTER Wi-Fi FS
150*	200*	270*
A+	A+	A+
L	L	XL
split		split
integrated		integrated
Wall-hung		Floor standing
-10/42		-10/42
62/75		62/75
3,65	3,62	3,84
150	149	157
03:36	04:52	06:39
1,0 + 1,5		1,0 + 1,5
-		-
U.I. 15 U.E. 56		U.I. 15 U.E. 56
Green, Comfort, Fast, Boost, i-Memory, Holiday		Green, Comfort, Fast, Boost, i-Memory, Holiday
Yes		yes
Yes		yes
3069755	3069756	3069757
48		50

Nuos Split WH

Split Wall-hung heat pump for domestic hot water production

- / High performances and sustainability: environmental friendly heat pump mode to achieve 62°C.
- / Security and durability: Condenser wrapped around titanium enamelled steel boiler, not immersed in water.

Energy Class

A

Features

- / Operating range in heat pump mode with air temperature from -5 to 42°C
- / Active anode Protech + magnesium anode
- / Low noise outdoor unit
- / LCD display
- / Modes: auto, boost, boost 2, voyage
- / Antilegionella
- / Tank intended for indoor installation

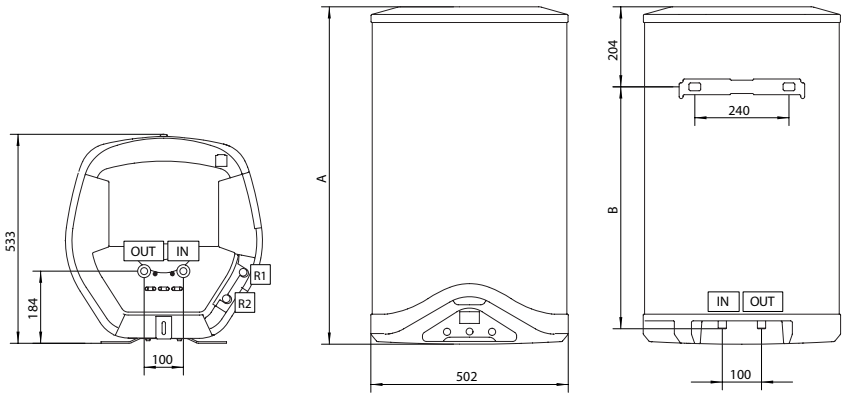
TECHNICAL DATA		80	110
COP (A)		2,4	2,37
COP (B)		2,04	2,03
Heating time (A)	hh:mm	02:39	03:49
Min/max air temperature	°C	-5/42	-5/42
Max water temperature heat pump only mode	°C	62/75	62/75
Sound power U.I. (D)	dB(A)	15	15
Sound power U.E. (D)	dB(A)	57	57
Average electrical power consumption in heat pump mode	W	510	510
Nominal storage tank capacity	l	80	110
Max operating pressure	bar	8	8
Voltage/Max. power consumption	V/W	220-240/1950	220-240/1950
Heating element power	W	1200	1200
Empty weight	kg	32	38
Electrical system protection grade	IP	IP24	IP24
Insulation thickness	mm	41	41
Water connections diameter	"	1/2 M	1/2 M
Min Temperature of storage tank room	°C	1	1
Heat dispersion (Pes) (B)	W	20	24
Annual energy consumption (average climate) (C)	kWh/year	606	604
Seasonal efficiency (C)	%	85	84,8
V40 (Qty of mixed DHW at 40°C) (C)	l	99	139
OUTDOOR UNIT			
Refrigerant circuit connections diameter		1/4 - 3/8 with bell end	1/4 - 3/8 with bell end
Empty weight	kg	27	
Standard air flow rate	m^3/h	1100	
Max pressure in the refrigerating circuit (Low p side)	bar	12	
Max pressure in refrigerating circuit (High p side)	bar	27	
Electrical system protection grade	IP	IP24	
Max distance between storage tank and outdoor unit	m	8	
Max diff in level between storage tank and outdoor unit	m	3	
F-GAS DATA			
Refrigerant type		R-134a	R-134a
Refrigerant charge	g	700	700
GWP		1430	1430
CO2 equivalents	t	1,001	1,001
CODE (storage tank + outdoor unit)			
ErP		3623242	3623243
Energy class		A	A
Tapping profile		M	M
Storage tank code		3623244	3623245
Outdoor unit code		3623246	3623246

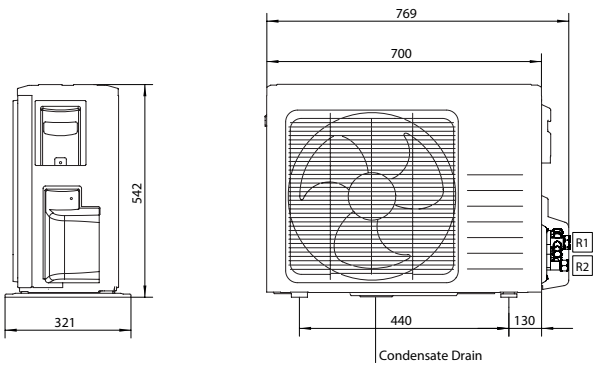
(A) Values obtained with 14°C outdoor air temperature and 87% relative humidity, 10°C inlet water temperature and 55°C set temperature (EN 16147). Ducted product Ø150 rigid.
(B) Values obtained with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and set temperature of 55°C (according to the provisions set forth in EN 16147)
(C) 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).
(D) 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)

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.

ENERGY EFFICIENT | PROFESSIONAL TECH ANTI-CORROSION | ANTI-LEGIONELLA | ANTI-FREEZING | SUPER SILENT

Dimensions	80	110
A mm	860	1085
B mm	617	842





KEY
IN \ Cold water inlet G 1/2”
OUT \ Hot water outlet G 1/2”

A \ Gas inlet G 1/4”
B \ Gas outlet G 3/8”

Nuos Split Inverter Wi-Fi WH

Split Wall-hung heat pump for domestic hot water production with inverter technology and connectivity

- / Simplified control via smarphone with Aqua Ariston NET app
- / High performances and sustainability: environmental friendly heat pump mode to achieve 62°C.
- / Security and durability: Condenser wrapped around titanium enamelled steel boiler, not immersed in water.

Energy Class

A+

Features

- / Operating range in heat pump mode with air temperature from -10 to 42°C
- / Active anode Protech + magnesium anode
- / Dual power steatite electrical heating element
- / Photovoltaic function
- / Low noise outdoor unit
- / LCD touch display
- / Modes: green, comfort, fast, boost, i-memory, holiday
- / Time scheduling
- / Antilegionella
- / Various modes
- / Tank intended for indoor installation

* Check if local product code is enabled for connectivity

TECHNICAL DATA		150	200
COP [A]		3,65	3,62
COP [B]		3,25	3,25
Heating time [A]	hh:mm	03:36	04:57
Min/max air temperature	°C	-10/42	-10/42
Max water temperature heat pump only mode	°C	62/75	62/75
Sound power U.I. [D]	dB(A)	15	15
Sound power U.E. [D]	dB(A)	56	56
Average electrical power consumption in heat pump mode	W	700	700
Nominal storage tank capacity	l	150	200
Max operating pressure	bar	6	6
Voltage/Max. power consumption	V/W	220-240/2500	220-240/2500
Heating element power	W	1500 + 1000	1500 + 1000
Empty weight	kg	60	65
Electrical system protection grade	IP	IP24	IP24
Insulation thickness	mm	55	55
Water connections diameter	"	G 3/4 M	G 3/4 M
Min Temperature of storage tank room	°C	1	1
Heat dispersion (Pes) [B]	W	17	21
Annual energy consumption (average climate) [C]	kWh/year	766	761
Seasonal efficiency [C]	%	133,6	134,4
V40 (Qty of mixed DHW at 40°C) [C]	l	182	253
OUTDOOR UNIT			
Refrigerant circuit connections diameter		1/4 & 3/8 flare type	1/4 & 3/8 flare type
Empty weight	kg	32	32
Standard air flow rate	m^3/h	1300	1300
Max pressure in the refrigerating circuit (Low p side)	bar	12	12
Max pressure in refrigerating circuit (High p side)	bar	27	27
Electrical system protection grade	IP	IP4X/IP24	IP4X/IP24
Max distance between storage tank and outdoor unit (with/without gas)	m	12/20	12/20
Max diff in level between storage tank and outdoor unit	m	10 positive/10 negative[E]	
Addition of gas required	g/m		
Min diff in level between storage tank and indoor unit	m^2	2	2
F-GAS DATA			
Refrigerant type		R134a	R134a
Refrigerant charge	g	1100	1100
GWP		1430	1430
CO2 equivalents	t	1,573	1,573
CODE (storage tank + outdoor unit)			
		3069755	3069756
Energy class		A+	A+
Tapping profile		L	L
Storage tank code		3069749	3069750
Outdoor unit code		3629070	3629070

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.

[A] Values obtained with 14°C outdoor air temperature and 87% relative humidity, 10°C inlet water temperature and 53°C set temperature (EN 16147). Ducted product Ø150 rigid.
[B] Values obtained with outdoor air temperature of 7°C and relative humidity of 87%, inlet water temperature of 10°C and temperature set at 53°C (as per the provisions in EN 16147 and CDC 103-15/C-2018).
[C] 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).
[D] 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 temperatureset according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation and EN 12102)
[E] Positive: outdoor unit at a level below that of the indoor unit. Negative: outdoor unit at a level higher than that of the indoor unit. In case of a negative difference, mount a trap every 4 m of height difference. For further information, please consult the instruction manual.

INVERTER

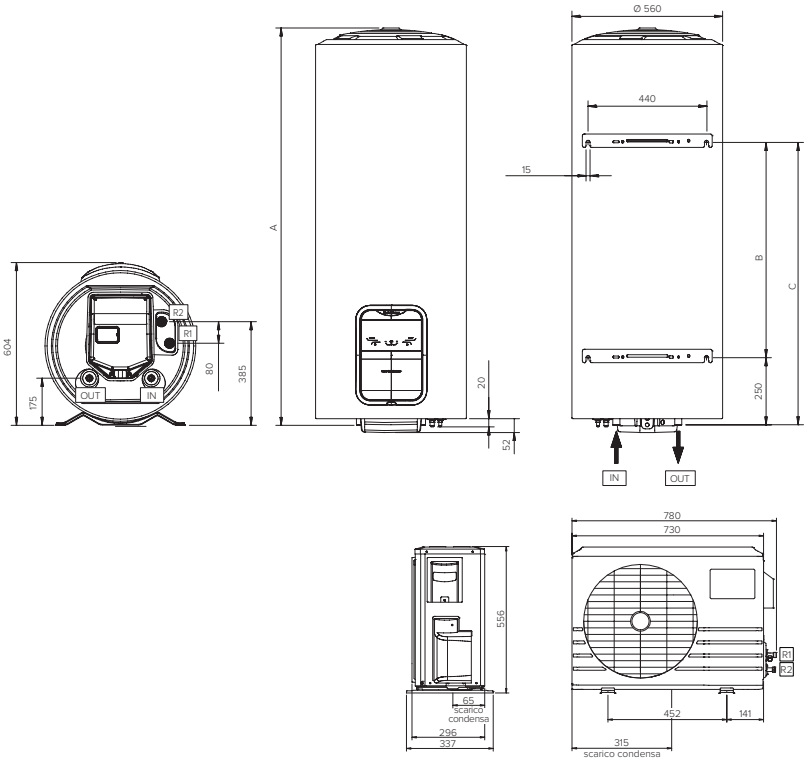
ENERGY EFFICIENT

ANTI-CORROSION

SUPER SILENT

INTEGRATION WITH PHOTOVOLTAIC SYSTEM

Dimensions	150	200
A mm	1150	1476
B mm	500	800
C mm	750	1050



KEY
IN \ Cold water inlet G 3/4”
OUT \ UHot water outlet G 3/4”

R1 \ Gas connection G 1/4”
R2 \ Gas connection G 3/8”

In case of a weak wall, the tripod support must be used. Code : 3078042

Nuos Split Inverter Wi-Fi FS

Split floor standing heat pump for domestic hot water production with inverter technology and connectivity

- / Simplified control via smarphone with Aqua Ariston NET app
- / High performances and sustainability: environmental friendly heat pump mode to achieve 62°C.
- / Security and durability: Condenser wrapped around titanium enamelled steel boiler, not immersed in water.

Energy Class

A+

Features

- / Operating range in heat pump mode with air temperature from -10 to 42°C
- / Active anode Protech + magnesium anode
- / Dual power steatite electrical heating element
- / Photovoltaic function
- / Low noise outdoor unit
- / LCD touch display
- / Modes: green, comfort, fast, boost, i- memory, holiday
- / Time scheduling
- / Antilegionella
- / Various modes
- / Tank intended for indoor installation

* Check if local product code is enabled for connectivity

TECHNICAL DATA		270
COP(A)		3,84
COP(B)		3,53
Heating time(A)	hh:mm	06:39
Min/max air temperature	°C	-10/42
Max water temperature heat pump only mode	°C	62/75
Sound power U.I.(D)	dB(A)	15
Sound power U.E.(D)	dB(A)	56
Average electrical power consumption in heat pump mode	W	700
Nominal storage tank capacity	l	270
Max operating pressure	bar	6
Voltage/Max. power consumption	V/W	220-240/2500
Heating element power	W	1500 + 1000
Empty weight	kg	76
Electrical system protection grade	IP	IP24
Insulation thickness	mm	50
Water connections diameter	"	G 3/4 M
Min Temperature of storage tank room	°C	1
Heat dispersion (Pes)(B)	W	22
Annual energy consumption (average climate)(C)	kWh/year	1160
Seasonal efficiency(C)	%	144,4
OUTDOOR UNIT		
Refrigerant circuit connections diameter		1/4 & 3/8 flare type
Empty weight	kg	32
Standard air flow rate	m3/h	1300
Max pressure in the refrigerating circuit (Low p side)	bar	12
Max pressure in refrigerating circuit (High p side)	bar	27
Electrical system protection grade	IP	IP4X/IP24
Max distance between storage tank and outdoor unit (with/without gas)	m	12/20
Max diff in level between storage tank and outdoor unit	m	10 positive/10 negative[E]
Addition of gas required	g/m	25
Min diff in level between storage tank and indoor unit		2
F-GAS DATA		
Refrigerant type		R134a
Refrigerant charge	g	1100
GWP		1430
CO2 equivalents	t	1,573

CODE (storage tank + outdoor unit)

ErP		3069757
	Energy class	A+
	Tapping profile	XL
	Storage tank code	3069751
	Outdoor unit code	3629070

[A] Values obtained with 14°C outdoor air temperature and 87% relative humidity, 10°C inlet water temperature and 53°C set temperature (EN 16147). Ducted product Ø150 rigid.
[B] Values obtained with outdoor air temperature of 7°C and relative humidity of 87%, inlet water temperature of 10°C and temperature set at 53°C (as per the provisions in EN 16147 and CDC 103-15/C-2018).
[C] 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).
[D] 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)
[E] Positive: outdoor unit at a level below that of the indoor unit. Negative: outdoor unit at a level higher than that of the indoor unit. In case of a negative difference, mount a trap every 4 m of height difference. For further information, please consult the instruction manual.

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.

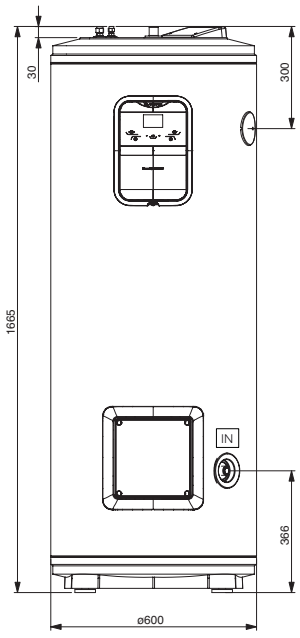
INVERTER

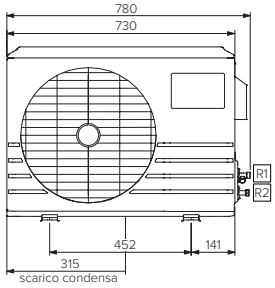
ENERGY EFFICIENT

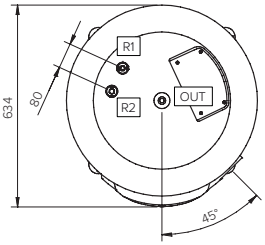
ANTI-CORROSION

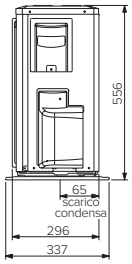
SUPER SILENT

INTEGRATION WITH PHOTOVOLTAIC SYSTEM









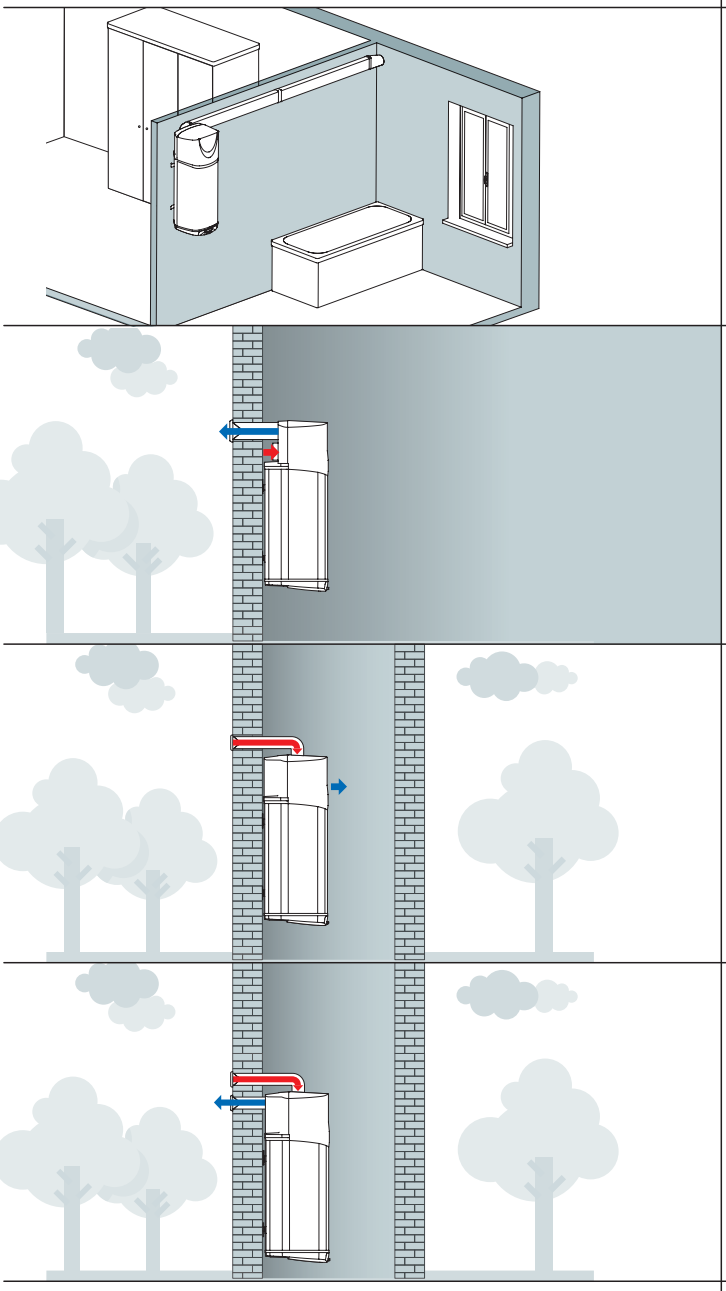
KEY
IN \ Cold water inlet G 3/4”
OUT \ Hot water outlet G 3/4”

R1 \ Gas connection G 1/4”
R2 \ Gas connection G 3/8”

Monoblock models: air canalization options

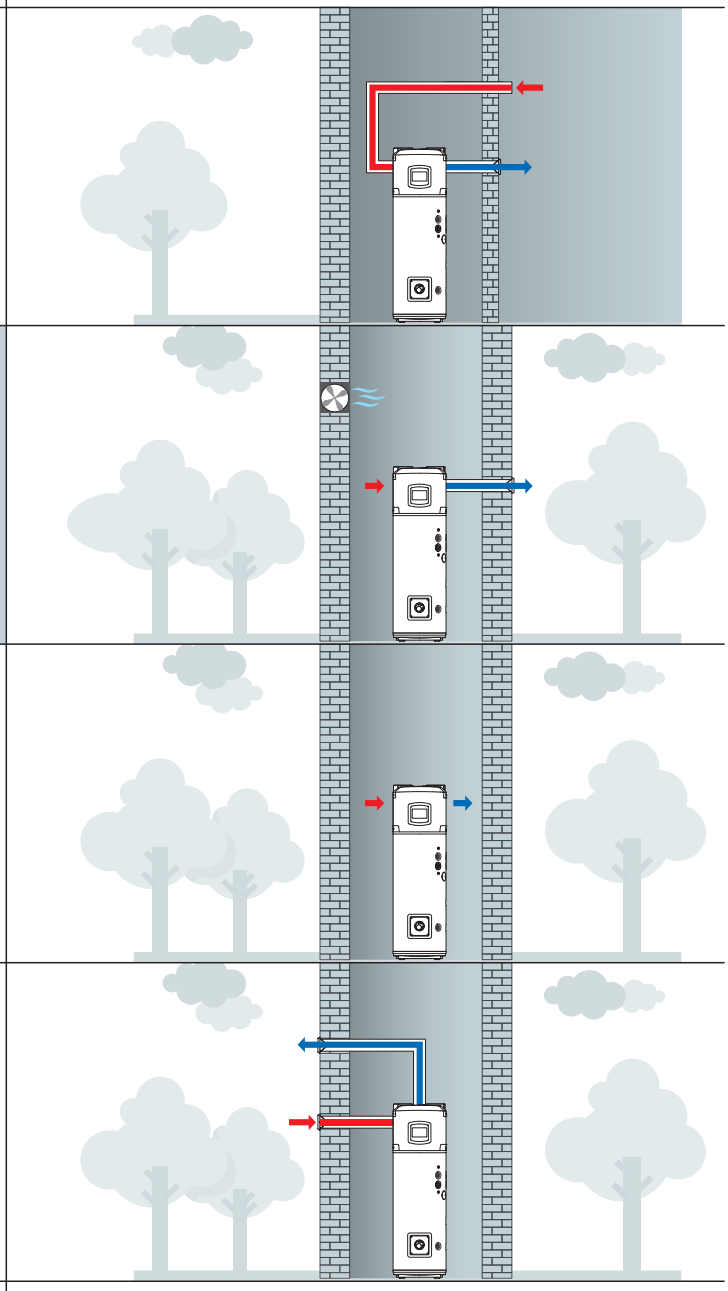
The air can be ducted both on the inlet and on the outlet sides to channel the flow appropriately according to the various situations.
The NUOS range features numerous air accessories to fulfill any installation requirements.

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

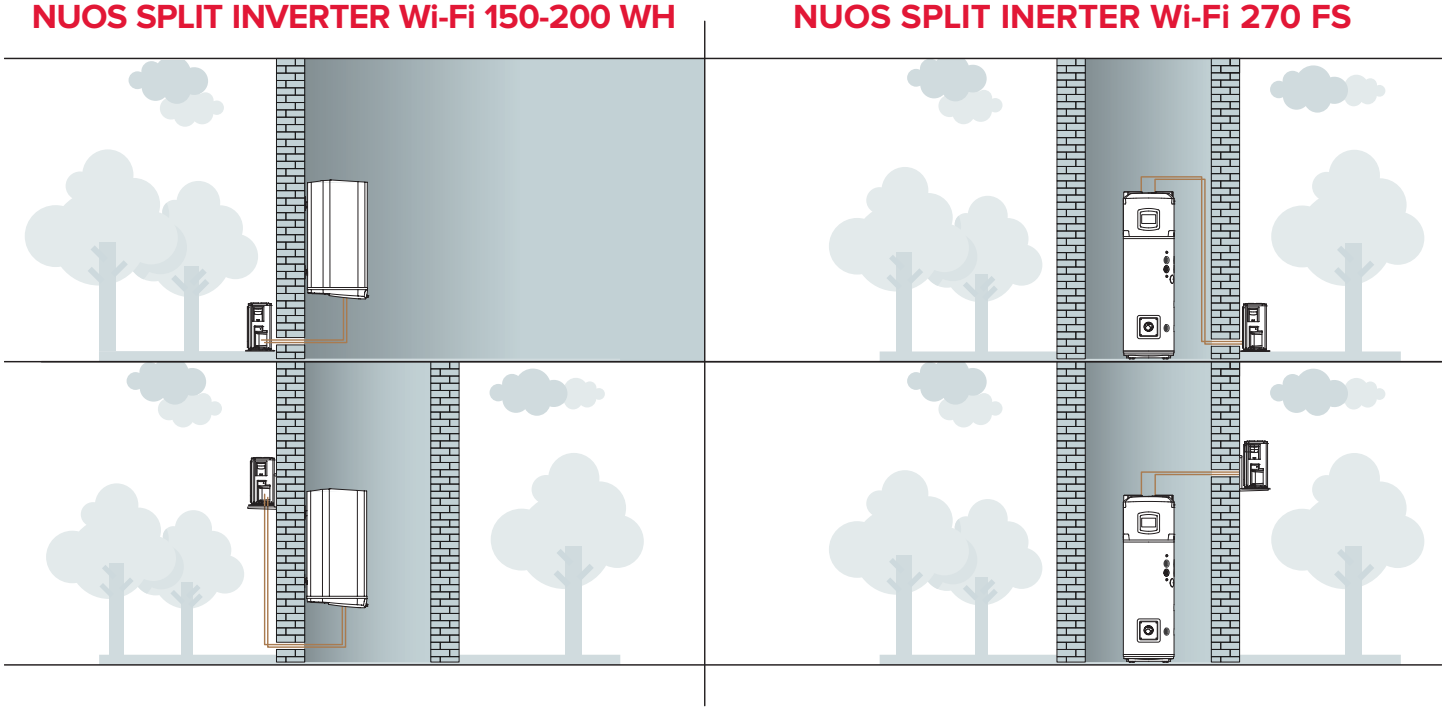


Maximum linear duct lenght of 14m (duct ø 150mm) and 45 m (duct ø 200mm) (NUOS PLUS Wi-Fi) e 8m (NUOS PRIMO HC)

Split models: installation options

WALL-HUNG SPLIT 80-110 WH, NUOS SPLIT INVERTER Wi-Fi 150-200 WH

FLOOR-STANDING SPLIT NUOS SPLIT INERTER Wi-Fi 270 FS



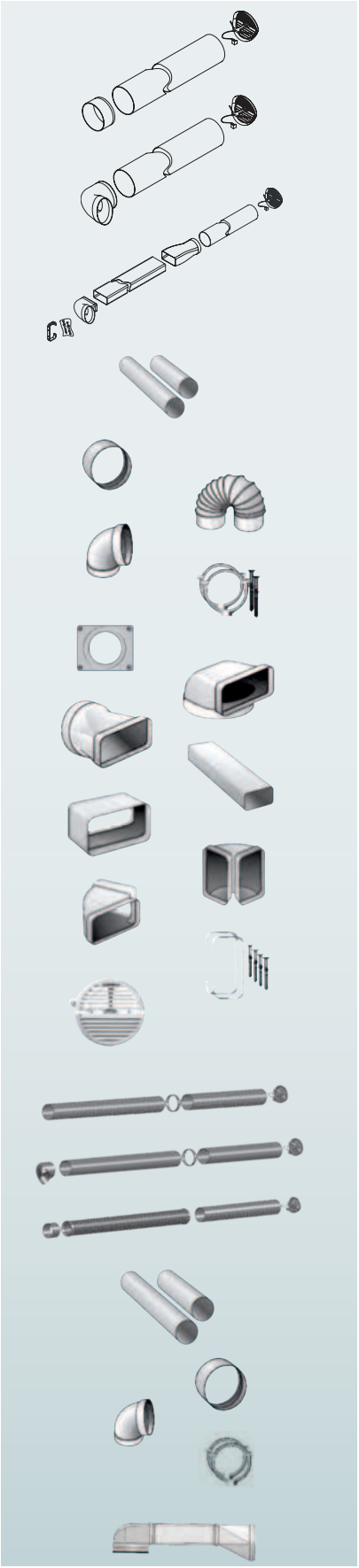
For NUOS SPLIT 80-110 WH:
- Max. linear distance 8 m between the storage tank and the eternal unit.
- Max. height difference 3 m between the storage tank and the externalunit.

For NUOS SPLIT INVERTER Wi-Fi 150-200-270 models:
- It is possible to add a refrigerant gas. In this case, the maximum distance between the indoor and outdoor units goes from 12 to 20 m
- Maximum linear distance of 12 m between the storage tank and the outdoor unit with the refrigerant charge supplied as a standard feature
- Minimum distance equal to 2 m
- Maximum height difference between the two units equal to 10 m (positive)* or 10 m (negative)**

* Positive: outdoor unit at a level below that of the indoor unit.
** Negative: outdoor unit at a level higher than that of the indoor unit.
In case of a negative difference, mount a trap every 4 m of height difference. For further information, please consult the instruction manual.

Nuos range accessories

Canalization ø 125 mm	Code	EVO A+	SPLIT 80-110	SPLIT INV. Wi-Fi	PRIMO	PRIMO HC	PLUS Wi-Fi
PERIMETER WALL NUOS AIR KIT Kit made by: ABSconnection for pipe ø 125mm; 1 m.l. PVC round pipe ø 125 mm and flexible grates with ø 186 mm springs and hole from ø100 to 160 mm; 15mm thickness.	3208052				•		
PERIMETER WALL NUOS AIR KIT Kit made by: ABS elbow for pipe ø 125 mm; 1 m.l. PVC round pipe ø 125 mm and flexible grates with ø 186 mm springs and hole from ø 100 mm to 160 mm; 15 mm thickness.	3208092	•					
INNER WALL NUOS AIR KIT Kit made by: ABS vertical elbow from ø 125 mm to rectangular mm 150x70; 1,5 m.l. PVC rectangular pipe 150x70 mm; ABS horizontal connection from ø 125 mm to rectangular 150x170 mm; 1 m.l. PVC round pipe ø 125 mm; flexible grates with ø 186 mm springs and hole from ø 100 to 160 mm; 15 mm thickness and 2 wall brackets for pipe 150 x 70 mm with screws 5 x 45 and nylon plugs.	3208053	•			•		
PVC pipe ø125 mm and 1,5 m.l. length	3208036	•			•		
PVC pipe ø125 mm and 1,5 m.l. length	3208037	•			•		
ABS connection for ø 125 mm round pipe	3208038	•			•		
Flexible connection ø 125 mm	3208039	•			•		
ABS 90° elbow f.f. ø 125 mm	3208040	•			•		
Wall brackets for pipe ø 125 mm with screws 5x45 and nylon plugs	3208041	•			•		
ABS cover 190x160 mm for round pipes ø 100- 125	3208049	•			•		
ABS vertical elbow from ø 125 mm to rectangular 150x70 mm	3208042	•			•		
ABS horizontal connection from Ø 125 mm to rectangular 150x70 mm	3208043	•			•		
PVC rectangular pipe 150x70mm and 1,5m.l. length	3208044	•			•		
ABS connection for rectangular pipe 150x70 mm	3208045	•			•		
ABS vertical elbow for rectangular pipe 150 x 70 mm	3208046	•			•		
ABS horizontal elbow for rectangular pipe 150 x 70 mm	3208047	•			•		
2 wall brackets for pipe 150 x 70 mm with screws 5 x 45 and nylon plugs	3208048	•			•		
Flexible grates with ø 186 mm springs, hole from ø 100 to 160 mm, 15 mm thickness	3208050	•			•	•	•
Canalization ø150 mm	**Code**	**EVO A+**	**SPLIT 80-110**	**SPLIT INV. Wi-Fi**	**PRIMO**	**PRIMO HC**	**PLUS Wi-Fi**
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 ø160 mm	**Code**	**EVO A+**	**SPLIT 80-110**	**SPLIT INV. Wi-Fi**	**PRIMO**	**PRIMO HC**	**PLUS Wi-Fi**
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						•
Canalization ø200 mm	**Code**	**EVO A+**	**SPLIT 80-110**	**SPLIT INV. Wi-Fi**	**PRIMO**	**PRIMO HC**	**PLUS Wi-Fi**
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					•	•
Installation accessories	**Code**	**EVO A+**	**SPLIT 80-110**	**SPLIT INV. Wi-Fi**	**PRIMO**	**PRIMO HC**	**PLUS Wi-Fi**
Safety hydraulic group ½”	877084	•	•		•		
Safety hydraulic group ¾”	877085			•		•	•
Siphon 1”	877086	•	•	•	•	•	•
External unit wall support	704101		•	•			
External unit floor support	3380020		•	•			
Tripod support	3078042			• (150-200)			

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.

SUPER SILENT
Silent functioning, respectful of the quiet of your everyday life

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

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

SYSTEM MANAGEMENT
Manage all Ariston products connected in system thanks to BusBridgeNet® technology

MADE IN EUROPE
Made in Europe

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

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

MADE IN ITALY
Made in Italy

AG+ COATING
AG+ cartridge technology with antibacterial capability that actively stop the proliferation of E-Coli, Salmonella, Legionella, Mould Fungi & More.

EASY INSPECTION
Large inspection flange for an easier access to the internal components of the products

OUTDOOR INSTALLATION
Designed to be safely installed outside, resistant to all kinds of weather

COMPACT SIZE
Compact design with reduced dimensions for an easy fit at your home

EASY MAINTENANCE
Frontal access to all main components

ECO EVO FUNCTION
Automatic setting of its functioning based on your habits and needs of hot water

ANTI-LEGIONELLA
Automatic water heating cycle to prevent bacterial growth

ANTI-FREEZING
Works at cold temperature

INVERTER TECHNOLOGY
Frequency modulation of the external unit compressor

SOLAR KEYMARK
Compliant with European quality certification for solar systems

ELECTRONIC TEMPERATURE MANAGEMENT
Electronic control panel for easier, more intuitive operation.

TITANIUM PLUS
Longer durability and resistance to corrosion thanks to the Titanium enameling of the water tank

INTEGRATION WITH PHOTOVOLTAIC SYSTEM
Connection with photovoltaic systems

Wi-Fi
Smart Connectivity - Aqua Ariston Net App

WATER PLUS
It keeps the incoming cold water at the bottom of the tank to ensure reduced mixing with stored hot water

ABSOLUTE SAFETY SYSTEM
It is a set of functions preserving the good functioning of the product in case of energy or water failures

INCOLOY ENAMELED HEATING ELEMENT
It is corrosion resistant and reduces limescale

TITAN SHIELD
It is an anti-corrosion and rust-resistant protective technology which prevents the surface from corroding even when it is in contact with warm water

DIGIT DISPLAY
Easy interaction and easy temperature management thanks to the advanced hi-tech digit display

LED DISPLAY
Simple and intuitive multifunction LED display

DOUBLE SAFETY THERMOSTAT
In case of malfunctioning, the precise thermostat blocks heating cycle before reaching too high temperature

HIGH EFFICIENCY INSULATION
Premium and robust environmental-friendly insulation material made up of Cyclopentane

DISPLAY ECO
Frontal led control panel with smart thermometer

SHOWER READY
It shows when enough water has been heated for a shower

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

DRY HEATING ELEMENT
The heating element is not
in direct contact with water for long lasting durability and limescale protection

SAFETY PACKAGE
Set of functions preserving the good functioning of the product in case of energy or water failures

HAIL-PROOF
Hail-resistant thick glass

STABLE TEMPERATURE
Outlet temperature remains stable even in the case of flow rate variation

IP25 WATERPROOF
The TOP level in water protection guarantees a safety installation in shower box

CONSTANT TEMPERATURE
Hot water and constant temperature right when you need them, in every condition and regardless of any external factor (water flow, water's original temperature)

SINGLE POINT
It is corrosion resistant and reduces limescale

MULTI POINT
Can supply more water points at the same time (pressurized)

FLAT
Low depth for space saving and easy fitting at your home

ELECTRONIC TEMPERATURE MANAGEMENT
Electronic thermostat ensures an increase of energy saving and prevents scalding thanks to anti-overheating features.

POWER AND TEMPERATURE MANAGEMENT
Flow regulation knob plus temperature regulation knob and 4 steps axial regulation power to set the desired energy consume

MUTIPOSITION
Flexible installation, vertical or horizontal position

PERFORMANCE PLUS
Enhanced performance thanks to the high quality material selection to increase heat absorption and limit heat dispersion

EXTERNAL TEMPERATURE REGULATION
EXTERNAL POWER REGULATION
Easy setting of the temperature/power, thanks to the external controller

ARISTON
SERVICE

After-sales service

First class service

Ariston service model is designed to offer efficiency and professionalism to all its customers.

Genuine Ariston spare parts

All Ariston spare parts are built and tested to guarantee the best possible quality and the reliability of your Ariston product. Using genuine Ariston spare parts and components is the only way to keep your system at its best, fulfilling legal and warranty requirements.

Maximum peace of mind

Ariston gives you the assurance of long-term product quality and safety, and in case of any potential problem it ensures that everything will be dealt with quickly and professionally.

Look up the closest service center at **ariston.com**
or call the Ariston Customer Service at the **toll-free number XXX XXX XXX**


ARISTON
SERVICE

ariston.com