



**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**.

## Water Heating Market leader in **40+ countries**



# 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.



Wide offer in last generation **heat pumps for heating and hot water and solar**

## 30%

local centres of competence for product research and development in 5 continents\*

Efficient

## hybrid systems

tailored for every need

## 66%

of turnover coming from products dedicated to climate change mitigation and adaptation 1,2

### 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%**  
Extra quality certification issued  
by reliable third-parties

High-quality  
**after-sales  
service**  
always available

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Effective  
**warranty**

\*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.





## 2030 Ariston Group ESG Plan

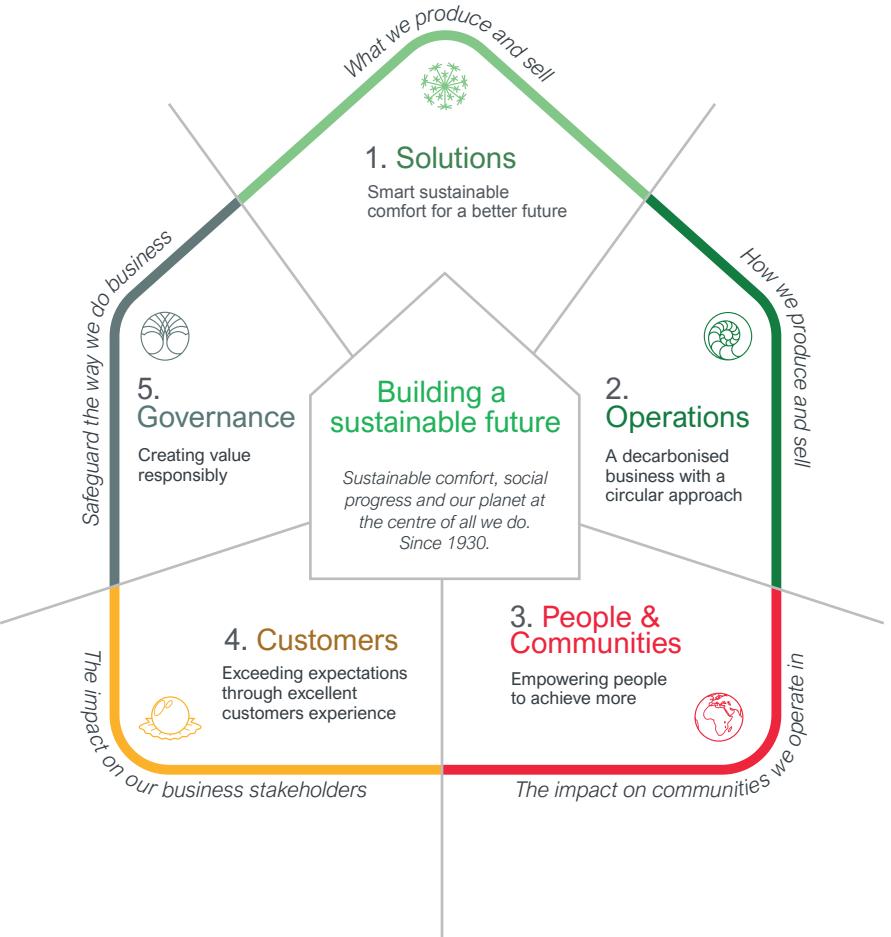
# Believe in future

Our purpose is to provide **everyone, in every corner of the world, with high-quality heating and water heating solutions, while protecting the environment and society.**

As a leading actor of sustainable development, the Company is aware that sustainability means a long-term vision and objectives, which can be achieved only through a solid path of actions and initiatives.

With this purpose in mind, the Group's 2030 ESG roadmap sets out a detailed and structured plan built on short- and medium-term targets, which will eventually lead the Company to the achievement of its ultimate 2030 targets.

The 5 engagement areas that define the key pillars on which Ariston Group has set its ESG strategical direction include solutions, operations, customers, people & communities and sustainable governance.



# SUSTAINABLE DEVELOPMENT GOALS



## Some of the goal we have set to ourselves:

**100mio**

tCO<sub>2</sub>e emission avoided thanks to the renewable and high efficiency products we sell in the regions we operate like Heat Pumps, Hydrogen, Low Fuel, Low NOX

**42%**

Scope-1 and Scope-2 absolute GHG emissions reduction (2021 base year). Implementing initiatives related to WCM methodology, use of photovoltaic in plants.

**100%**

Strategic Suppliers aligned with our ESG journey with a strict selection of partners and digitalization of supply chain.

**>85**

Quality score per year in the cumulative Group Quality Excellence index (GQE index)

To discover more about the commitment of Ariston Group toward the future, please visit [www.aristongroup.com](http://www.aristongroup.com)

## Smart connected services

# The easy way to comfort and energy saving

Our product range includes a variety of Wi-Fi enabled thermal comfort solutions that can be controlled remotely using a smartphone or through all the main smart home platforms.

Connectivity allows users to have domestic comfort under control, keep an eye on consumption, avoid energy waste and receive remote assistance without a visit from the technician, thus making life simpler for both end customers and professionals.

## At the center of your connected home

**Enjoy all the benefits of a smart home**, where everything is perfectly integrated and easily controlled. Ariston NET is designed to provide you with maximum comfort while ensuring seamless operation and compatibility with leading IoT solutions".

Use **voice control** to manage all your connected heating and water heating products.  
Just say a word!

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



VOICE  
CONTROL



Ariston NET

# Home gets smarter, life gets simpler



Ariston NET

## Comfort always at your fingertips, wherever you are

Manage and control your Ariston products easily and wherever you are: set a schedule, change operation mode, control your heating and hot water temperature, adjust your indoor temperature based on your location, and ensure your water is hot only when you need it.

**Ariston NET is designed for you and your comfort**, with a simple and intuitive Interface, to provide you with the best possible user experience.

## Save on your bill while helping the planet

Save on your bills by **monitoring your energy consumption**, and **avoid energy waste** by remotely controlling your heating and water heating systems.

Ariston NET provides energy reports and tips so you can be more aware and build good habits **saving up to 25% of energy!\***

Your awareness is the beginning of the journey to build our sustainable future.

Because saving means caring.

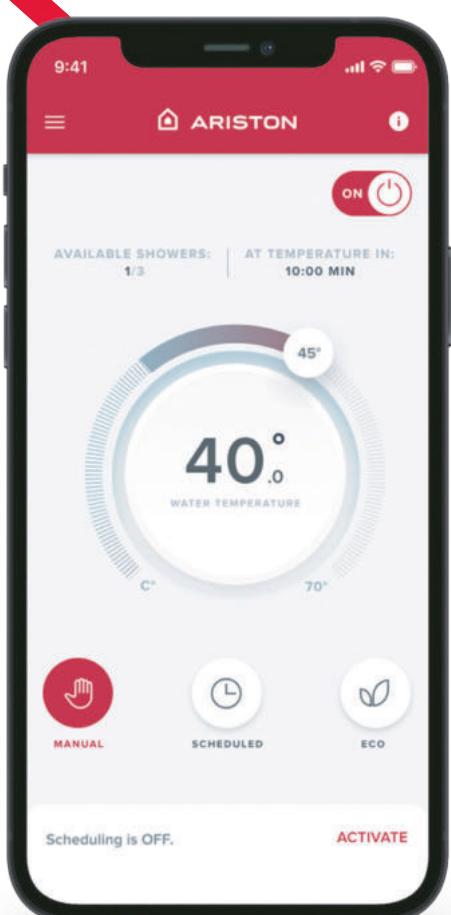
## Get prompt Assistance

Ariston NET is a smart way to get prompt assistance helping you identify any technical problem and get them fixed as quickly as possible. Find all the information you need without any effort: the error code and description to facilitate technical assistance, and the details of your nearest service center.

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



## Discover all the functions of Ariston NET for connected water heaters



### Easy Control

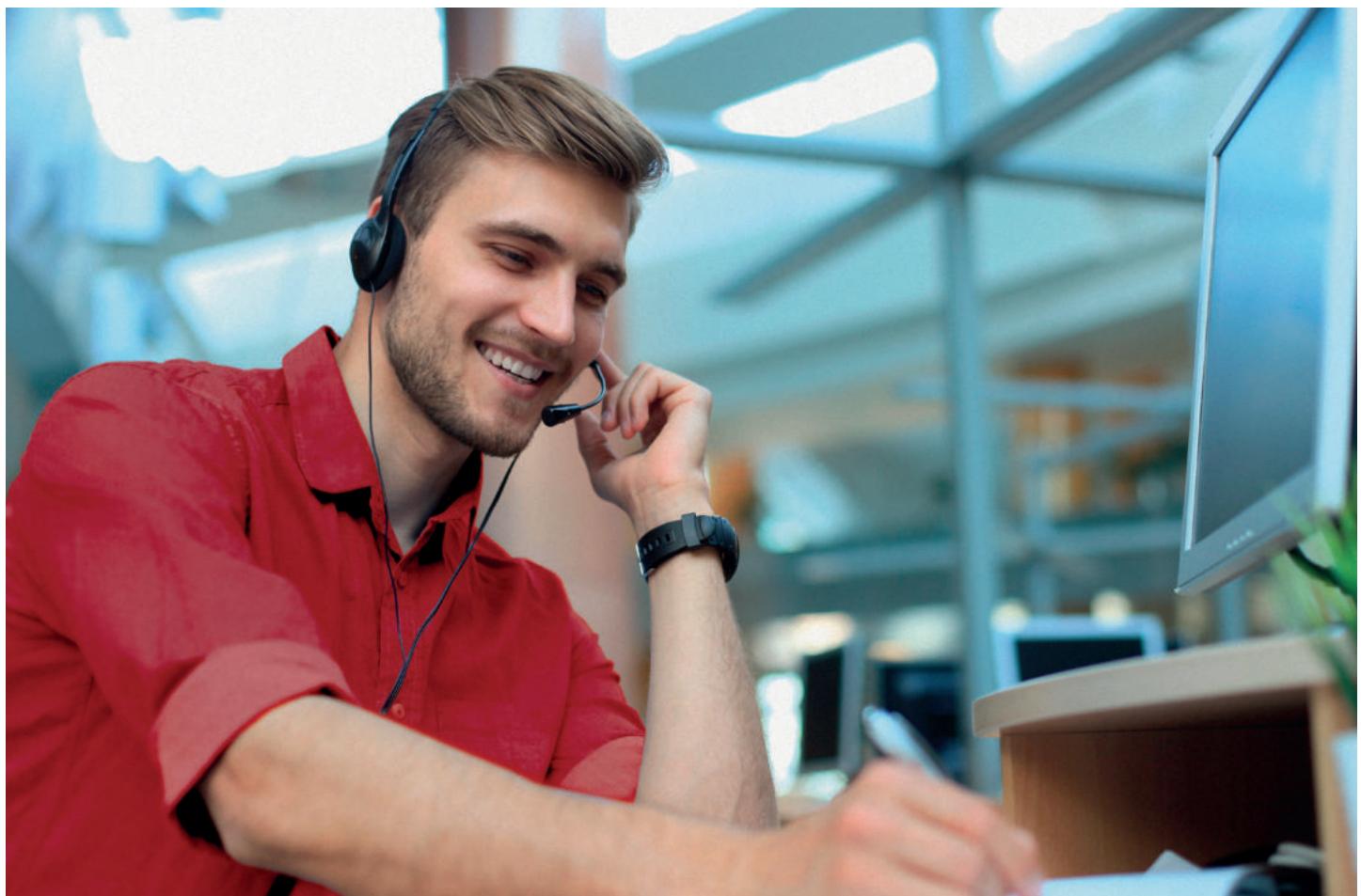
- \ Temperature setting
- \ Operating modes
- \ Programming
- \ Advanced appliance settings
- \ Voice control

### Energy Saving

- \ Energy monitoring
- \ Energy advice

### Prompt Assistance

- \ Error notification
- \ Find nearest Service Centre



**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.

The pre-sales team 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.

# In this catalogue



## Heat pump water heaters

- 36 / Nuos Plus S2 Wi-Fi WH
- 38 / Nuos Evo A+ WH
- 40 / Nuos Plus Wifi
- 42 / Nuos Primo HC
- 46 / Nuos Split WH
- 48 / Nuos Split Inverter Wi-Fi WH
- 50 / Nuos Split Inverter Wi-Fi FS
- 54 / Nuos Range Accessories



## Commercial Heat pump water heaters

- 60 / AR-6PM HX MT  
AR-10PM HX MT
- 62 / AR-20PTP HX MT  
AR-40PTP HX MT
- 64 / AR-20STP HX MT  
AR-50STP HX MT
- 66 / AR-6SM HX MT  
AR-8SM HX MT  
AR-12SM HX MT
- 68 / AR-40WTP HX  
AR-80W TP HX  
AR-160WTP HX

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



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 or business.

- Nuos range
- AR 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 PLUS S2**



**NUOS PLUS Wi-Fi**



**NUOS EVO A+**



**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 **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 water**, 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

# How it works

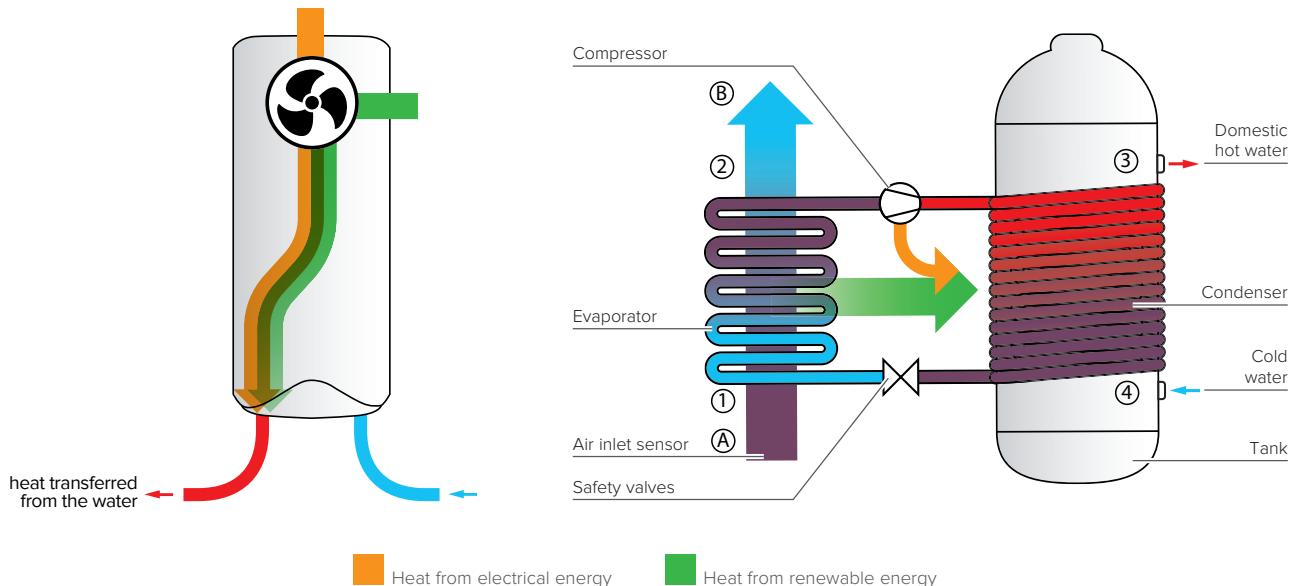
Nuos range uses a **thermodynamic cycle** to heat the water inside the storage tank through the air sucked by the thermal group inverting the heat natural flow. A refrigerant fluid (R134A or R290), through status changes, compression and expansion cycles, withdraws the heat in the air at low temperature 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.



**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

# Home gets smarter, life gets simpler

Nuos(A)(B)(D) comes with embedded **Wi-Fi capabilities**.

Now it's even easier to **manage your comfort, with your smartphone**, wherever you are.

Ariston NET is the best way to learn how to improve your energy consumption and build good habits saving up to 25% of energy\*. Because saving means caring.

The app also enables you to get **prompt assistance** giving you **all the information you need** if something goes wrong: the error code and description, as well as a **real-time notification** in case of system failure.

## Only 3 steps to connect



1. Dowload Ariston NET app



2. Create an account and login



3. Start Wi-Fi connection

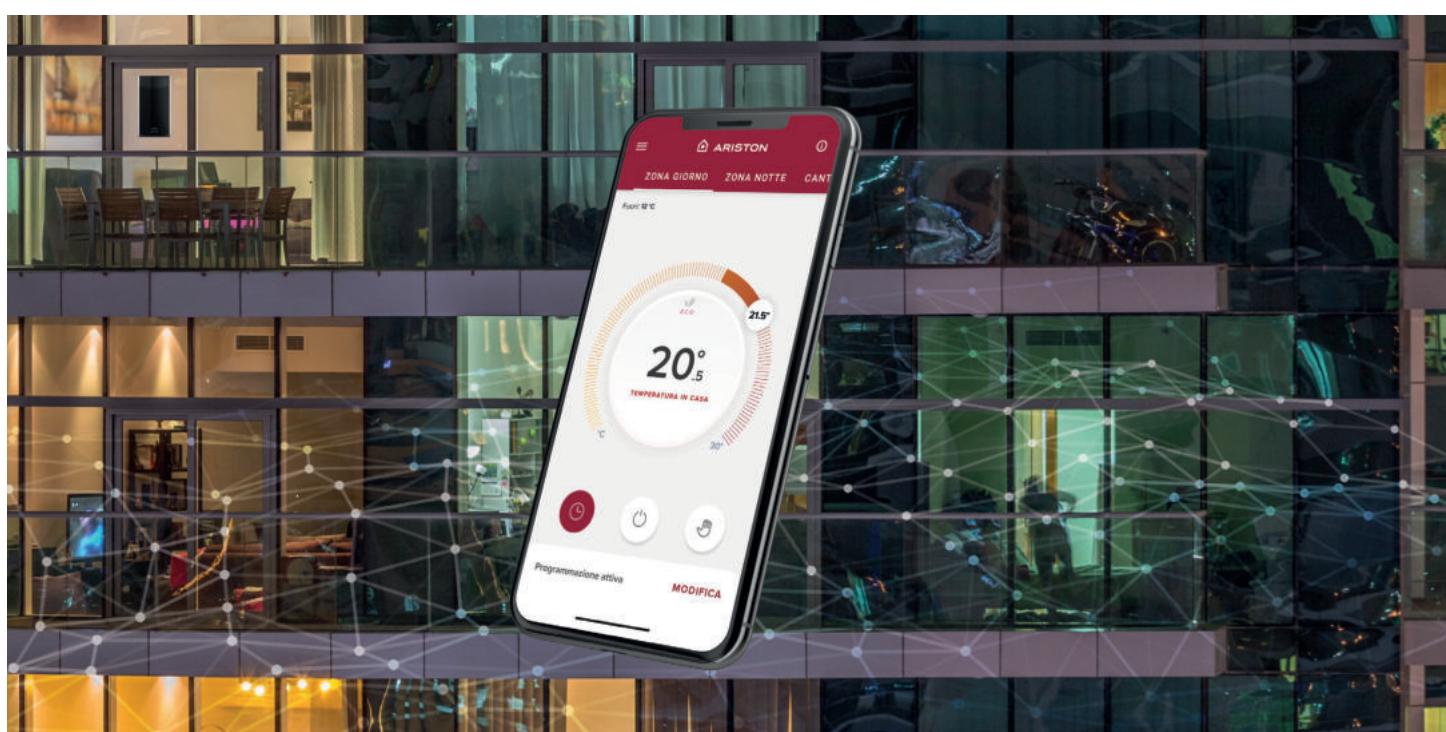
(A) Only Nuos Plus Wi-Fi.

(B) Only Nuos Split inverter Wi-Fi.

(C) Nuos Primo HC

(D) Nuos Plus S2 Wi-Fi WH

\*for water heaters equipped with Ariston NET the comparison is done with a mechanical water heater.







**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.



1 / Fan

2 / Display touch

3 / Evaporator

4 / Compressor Inverter DC

5 / Wrapped condenser

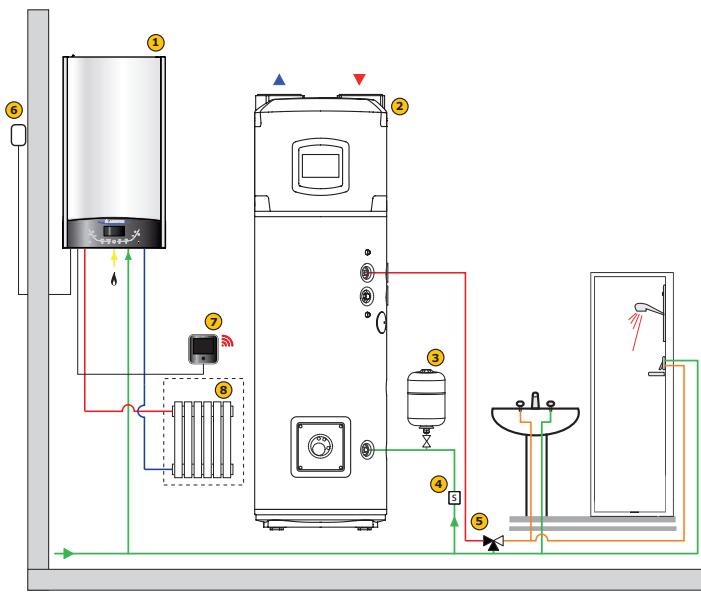
6 / Electrical kit

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

## Single-family solutions

Domestic hot water from renewable source with heat pump water heater

Heating with condensing wall-hung boiler



Legend

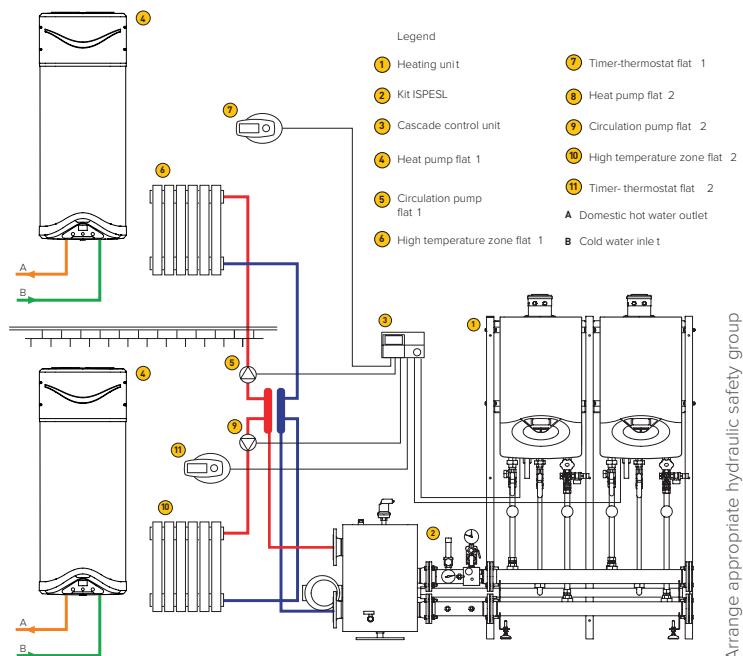
- (1) Wall-Hung Boiler
- (2) Heat Pump Water Heater Nuos
- (3) Expansion Vessel
- (4) Safety group
- (5) Domestic hot water Mixing valve
- (6) External probe
- (7) Room sensor Cube S NET
- (8) Heating zone



## 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 flat 1
- (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 PLUS S2			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)	-10/42			-10/42			
MAX WATER TEMPERATURE (WITH/ WITHOUT HEATING ELEMENTS) (°C)	60/75			62/75			
COP*	3,2	3,1	3,15	3,27	3,62	3,62	3,62
SEASONAL EFFICIENCY %*	114,2	113,6	119,3	136,7	147,9	147,9	147,9
HEATING TIME IN HEAT PUMP (hh:mm)*	03:53	05:50	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, Fast, Comfort, I-memory, antilegionella			Green, Comfort, Fast, i-memory, HC-HP, Boost			
SILENCE FUNCTION	Yes			Yes			
PHOTOVOLTAIC FUNCTION	Yes			Yes			
CODE	3629145	3629146	3629147	3069775	3069776	3069777	3069778
PAGE	36			38			



NUOS EVO A+ WH			NUOS PRIMO HC		
80	110	150	200	240	240 SYS
A+	A+	A+	A	A	A
M	M	L	L	XL	XL
Monoblock			Monoblock		
Wall-hung			Floor standing		
-5/42			-5/42		
62/75			55/75		
2,83 (Air T 20°C)	2,75 (Air T 20°C)	3,15	2,85 (Air T 20°C)	3,15 (Air T 20°C)	3,06 (Air T 20°C)
107	104	119,3	115	129	125
05:35	08:04	08:56	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		
3629056	3629057	3629074	3069653	3069654	3069655
42			44		

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

# Nuos Plus S2 Wifi WH



R290 REFRIGERANT



## Top performance wall-hung heat pump for domestic hot water production in A+ class

- / High performances (60°C in HP only) with low heating time and competitive COP
- / Low emission thanks to R290 refrigerant with GWP=3
- / Super silent functioning for careful comfort at home
- / Photovoltaic connection for further efficiency

Energy Class

A+



## Features

- / Wi-Fi embedded for remote control
- / Bus Bridge Net for System Integration
- / Friendly touch-buttons interface with new HMI
- / New working modes to meet all customer needs
- / Compact installation & easy access for inspection
- / Active anode & magnesium anode
- / Pressure and temperature sensors and switches
- / Enameled immerse heating element
- / 1-to-1 diagnostics

## TECHNICAL DATA

80

110

150



		80	110	150
Refrigerant		R290	R290	R290
Weight	kg	0,150	0,150	0,150
Capacity	l	80	110	150
Load profile		M	M	I
Tmax (hp/he)	°C	60/72	60/72	60/72
Average hp power	W	280	280	280
Max hp power	W	310	310	310
Heating element power	W	1200	1200	1200
Heating time	h:min	03:12	03:10	03:14
Cop(2°) en 16147 - ERP		2,09(M)	2,20(M)	2,20(F)
Cop(7°c) en 16147 - ERP		2,17(M)	2,14(M)	2,18(F)
Cop(14°c) en 16147 - ERP		2,39(M)	3(M)	3,19(F)
Air working range	°C	10/42	10/42	10/42
Avail static pressure	Pa	/4	/4	/4
Pv function		Yes	yes	yes
Wi-Fi		Yes	yes	yes
I-memory		Yes	yes	yes
Smart		Yes	yes	yes
Time scheduling		Yes	yes	yes
Sound power (ERP)	dBA(A)	45	45	45
heating element		Enameled/Immerse	Enameled/Immerse	Enameled/Immerse
Anode		Active Magnesium	Active Magnesium	Active Magnesium
Energy label		A+	A+	A+

## CODE



	3629145	3629146	3629147
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.

\*HEATING TIME: Values obtained with outdoor air temperature of 7°C, inlet water temperature of 10°C up to Tset (as per the provisions in EN 16147 and CDC 103-15/C-2018). Ducted product O150 mm.



**PRO  
FESSIONAL  
TECH**



ANTI-CORROSION

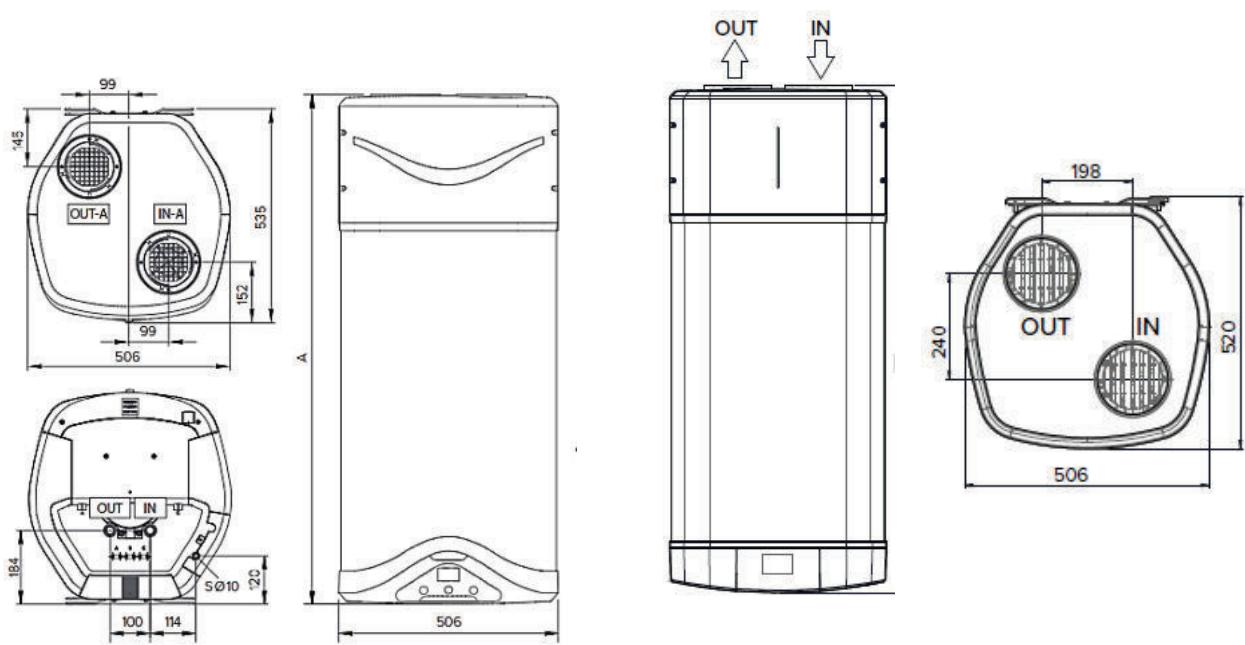


ANTI-LEGIONELLA

ANTI-FREEZING



	in mm	150I	110I	80I
Height:	165.9	140.3	117.8	
Length:	506	506	506	
Width:	520	520	520	



#### KEY

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

# 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



## 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 <sup>(A)</sup>		2,83	2,75	3,15
COP <sup>(B)</sup>		2,6	2,5	2,9
Heating time <sup>(A)</sup>	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 <sup>(D)</sup>	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 <sup>(B)</sup>	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	m³/h	100-200	100-200	100-200
Min volume of the installation room	m³/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) <sup>(B)</sup>	W	12	16	20
Available static pressure	Pa	65	65	65
Annual energy consumption (average climate) <sup>(C)</sup>	kWh/year	479	495	858
Seasonal efficiency <sup>(C)</sup>	%	107,1	103,8	119,3

## F-GAS DATA

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

## CODE

	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.

ENERGY  
EFFICIENTPRO  
FESSIONAL  
TECH

ANTI-CORROSION



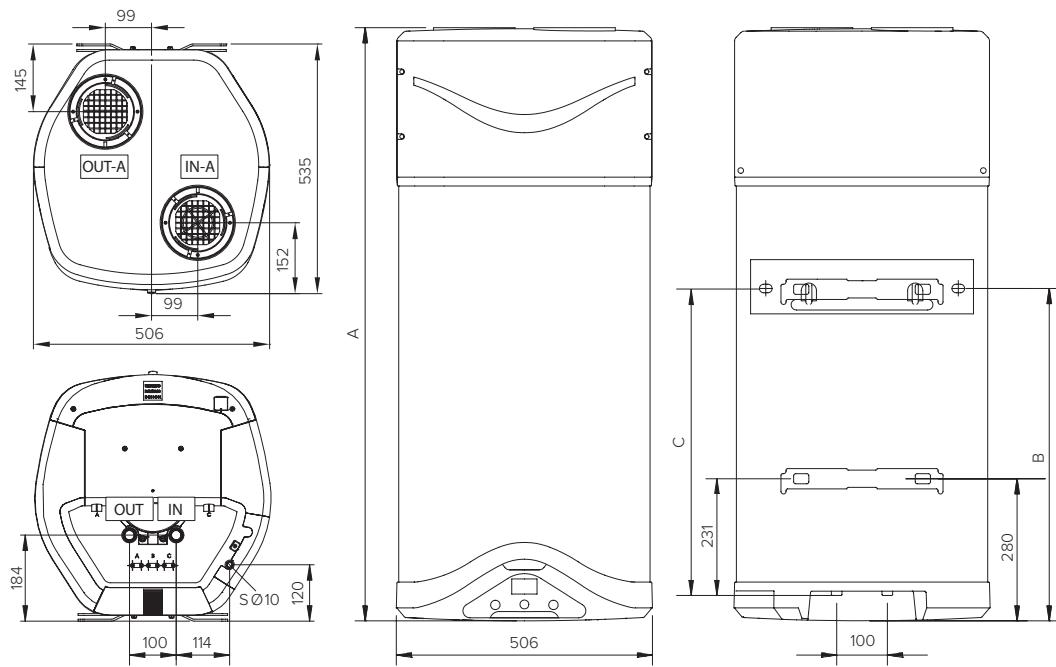
ANTI-LEGIONELLA



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



## 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 stellite 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
Min/max air temperature	°C	-10/42	-10/42	-10/42
Max water temperature heat pump only mode	°C	62/75	62/75	62/75
Sound power (C)	dB(A)	55	55	55
Sound power (silent mode) (C)	dB(A)	51	51	51
Max electrical power consumption in heat pump mode	W	900	900	900
Nominal storage tank capacity	l	200	250	245
Max operating pressure	bar	6	6	6
Voltage/Max. power consumption	V/W	220-240/2500	220-240/2500	220-240/2500
Heating element power	W	1500 + 1000	1500 + 1000	1500 + 1000
Standard air flow rate	m³/h	650	650	650
Min volume of the installation room (E)	m³	30	30	30
Empty weight	kg	90	95	115
Electrical system protection grade		IPX4	IPX4	IPX4
Insulation thickness	mm	50	50	50
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
Heating bottom circuit exchange surface	m²	-	-	0,65
Heating top circuit exchange surface	m²	-	-	0,65
Heat dispersion (Pes) (B)	W	21	22	23
Available static pressure	Pa	230	230	230
Annual energy consumption (average climate) (C)	kWh/year	790	1215	1299
Seasonal efficiency (C)	%	130	138	129
V40 (Qty of mixed DHW at 40°C) (C)	l	256	336	333

## F-GAS DATA

Refrigerant type	R134a	R134a	R134a	R134a
Refrigerant charge	g	1300	1300	1300
GWP		1430	1430	1430
CO2 equivalents	t	1,859	1,859	1,859

## CODE

	3069775	3069776	3069777	3069778
Energy class	A+	A+	A+	A+
Tapping profile	L	XL	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 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



BUS  
Bridge Net  
SYSTEM  
MANAGEMENT

PHOTOVOLTAIC  
SYSTEM INTEGRATION

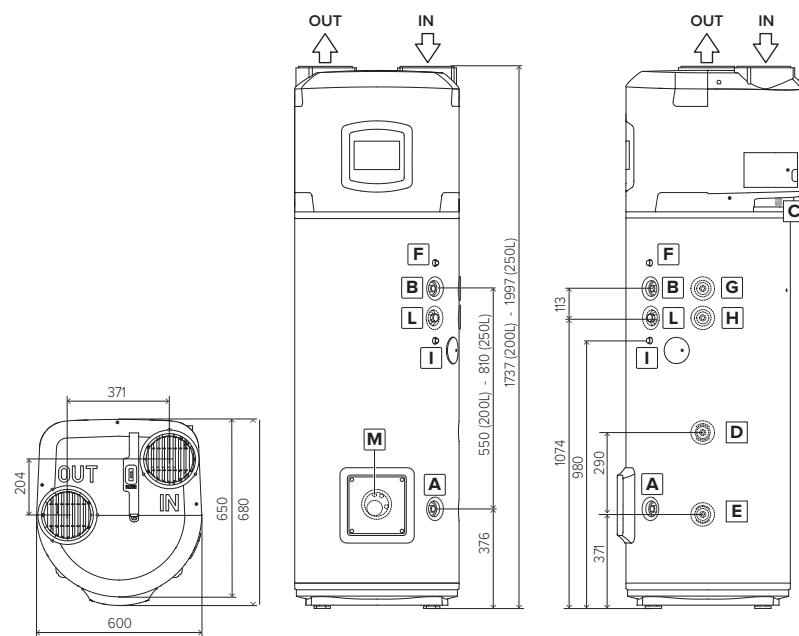
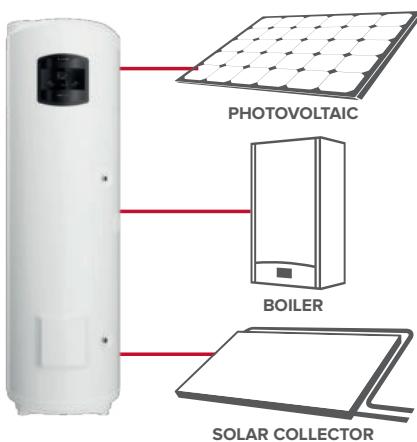
ENERGY  
EFFICIENT

PRO  
FESSIONAL  
TECH

ANTI-CORROSION  
ANTILEGIONELLA

ANTI-FREEZING

SOLAR  
INTEGRATION



#### 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 PLUS Wi-Fi** PHOTOVOLTAIC  
**200 / 250** BOILER

**NUOS PLUS Wi-Fi** PHOTOVOLTAIC  
**250 SYS** BOILER  
SOLAR COLLECTOR

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

# 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



### 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



<sup>(A)</sup> 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.

<sup>(B)</sup> 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

<sup>(C)</sup> 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.

<sup>(D)</sup> 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.

<sup>(E)</sup> Value that ensures correct operation and eases maintenance if the product is not ducted.

TECHNICAL DATA		200	240	240 SYS
COP <sup>(A)</sup>		2,85	3,15	3,06
COP <sup>(B)</sup>		2,71	2,86	2,77
Heating time <sup>(B)</sup>	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 <sup>(D)</sup>	dBA(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 <sup>(E)</sup>	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) <sup>(B)</sup>	W	28	34	35
Available static pressure	Pa	55	55	55
Annual energy consumption (average climate) <sup>(C)</sup>	kWh/year	912	1425	1470
Seasonal efficiency <sup>(C)</sup>	%	112,3	117,6	114
V40 (Qty of mixed DHW at 40°C) <sup>(C)</sup>	l	247	323	313

### F-GAS DATA

Refrigerant type	R-134a	R-134a	R-134a
Refrigerant charge	g	900	900
GWP		1430	1430
CO2 equivalents	t	1,29	1,29

### CODE

	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.

PHOTOVOLTAIC  
SYSTEM INTEGRATIONPRO  
FESSIONAL  
TECH

ANTI-CORROSION



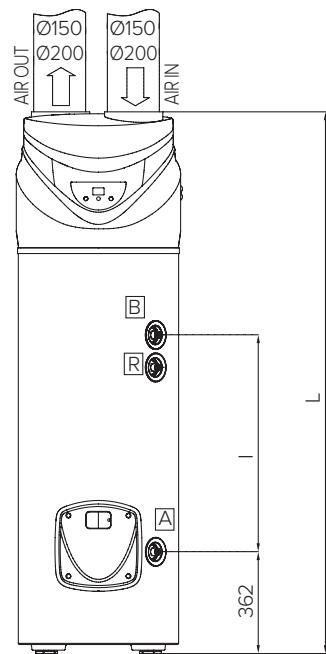
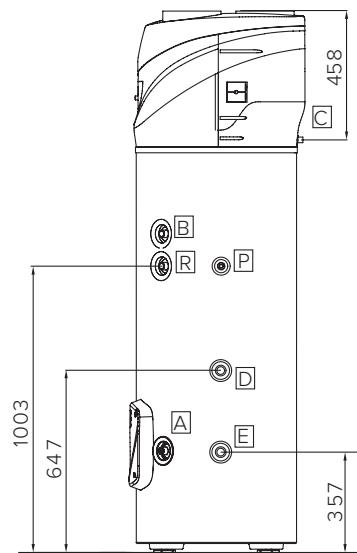
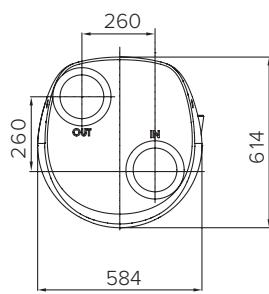
ANTI-LEGIONELLA



ANTI-FREEZING

SOLAR  
INTEGRATION

Dimensions	200	240 (SYS)
I 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

**150\***

**A+**

**L**

split



integrated

Wall-hung

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



### 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 <sup>(A)</sup>	2,4	2,37
COP <sup>(B)</sup>	2,04	2,03
Heating time <sup>(A)</sup>	hh:mm	02:39
Min/max air temperature	°C	-5/42
Max water temperature heat pump only mode	°C	62/75
Sound power U.I. <sup>(D)</sup>	dB(A)	15
Sound power U.E. <sup>(D)</sup>	dB(A)	57
Average electrical power consumption in heat pump mode	W	510
Nominal storage tank capacity	l	80
Max operating pressure	bar	8
Voltage/Max. power consumption	V/W	220-240/1950
Heating element power	W	1200
Empty weight	kg	32
Electrical system protection grade	IP	IP24
Insulation thickness	mm	41
Water connections diameter	"	1/2 M
Min Temperature of storage tank room	°C	1
Heat dispersion (Pes) <sup>(B)</sup>	W	20
Annual energy consumption (average climate) <sup>(C)</sup>	kWh/year	606
Seasonal efficiency <sup>(C)</sup>	%	85
V40 (Qty of mixed DHW at 40°C) <sup>(C)</sup>	l	99

### OUTDOOR UNIT

	1/4 - 3/8 with bell end	1/4 - 3/8 with bell end
Refrigerant circuit connections diameter		
Empty weight	kg	27
Standard air flow rate	m <sup>3</sup> /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
GWP		1430
CO <sub>2</sub> equivalents	t	1,001

### CODE (storage tank + outdoor unit)

	3623242	3623243
Energy class	A	A
Tapping profile	M	M
Storage tank code	3623244	3623245
Outdoor unit code	3623246	3623246

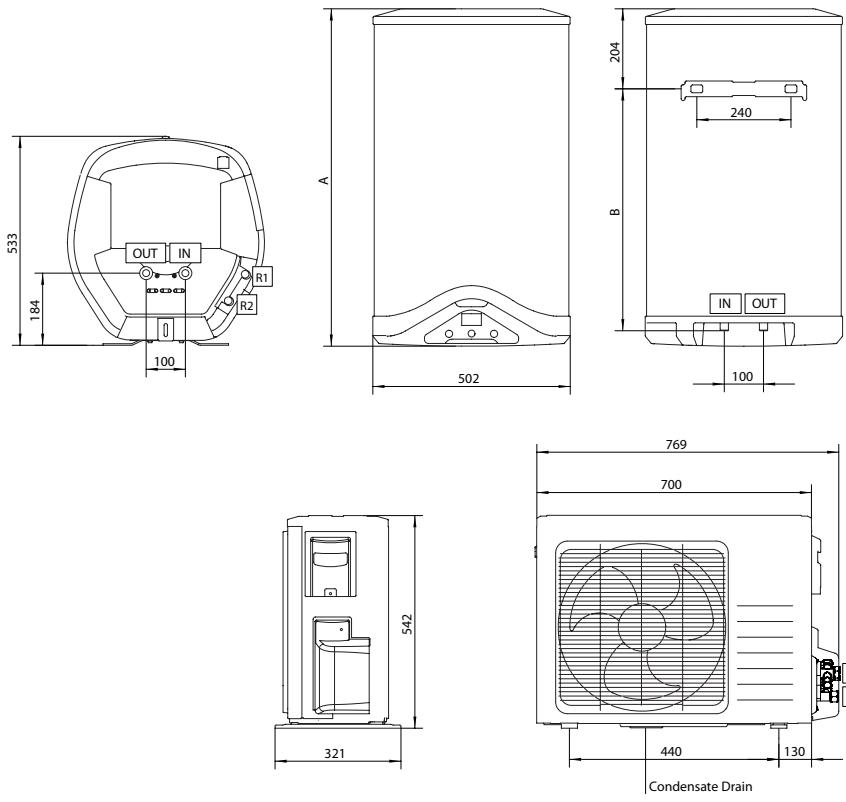
The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.



**PRO**  
FESSIONAL  
**TECH**



Dimensions	80	110
A mm	860	1085
B mm	617	842



# Nuos Split Inverter Wi-Fi WH



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

- / Simplified control via smartphone 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



## Features

- / Operating range in heat pump mode with air temperature from -10 to 42°C
- / Active anode Protech + magnesium anode
- / Dual power stearite 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
Min/max air temperature	°C	-10/42
Max water temperature heat pump only mode	°C	62/75
Sound power U.I. (D)	dBA(A)	15
Sound power U.E. (D)	dBA(A)	56
Average electrical power consumption in heat pump mode	W	700
Nominal storage tank capacity	l	150
Max operating pressure	bar	6
Voltage/Max. power consumption	V/W	220-240/2500
Heating element power	W	1500 + 1000
Empty weight	kg	60
Electrical system protection grade	IP	IP24
Insulation thickness	mm	55
Water connections diameter	"	G 3/4 M
Min Temperature of storage tank room	°C	1
Heat dispersion (Pes) (B)	W	17
Annual energy consumption (average climate) (C)	kWh/year	766
Seasonal efficiency (C)	%	133,6
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
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	
Min diff in level between storage tank and indoor unit	m²	2
		2

## F-GAS DATA

Refrigerant type	R134a	R134a
Refrigerant charge	g	1100
GWP		1430
CO2 equivalents	t	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 temperatures 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.



INVERTER

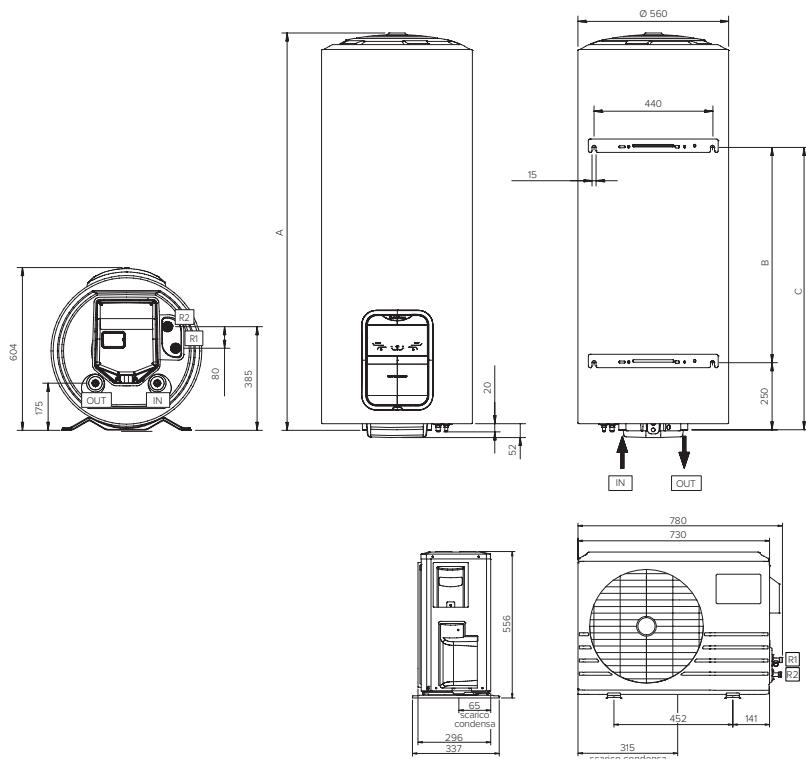
INVERTER CONTROL

ENERGY  
EFFICIENTPRO  
FESSIONAL  
TECH

SUPER SILENT

PHOTOVOLTAIC  
SYSTEM INTEGRATION

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 smartphone 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 stearite 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)	06:39
Min/max air temperature	°C
Max water temperature heat pump only mode	-10/42
Sound power U.I.(D)	dB(A)
Sound power U.E.(D)	dB(A)
Average electrical power consumption in heat pump mode	700
Nominal storage tank capacity	l
Max operating pressure	bar
Voltage/Max. power consumption	V/W
Heating element power	W
Empty weight	kg
Electrical system protection grade	IP
Insulation thickness	mm
Water connections diameter	"
Min Temperature of storage tank room	°C
Heat dispersion (Pes)(B)	W
Annual energy consumption (average climate)(C)	kWh/year
Seasonal efficiency(C)	%

### OUTDOOR UNIT

Refrigerant circuit connections diameter	1/4 & 3/8 flare type
Empty weight	kg
Standard air flow rate	m <sup>3</sup> /h
Max pressure in the refrigerating circuit (Low p side)	bar
Max pressure in refrigerating circuit (High p side)	bar
Electrical system protection grade	IP
Max distance between storage tank and outdoor unit (with/without gas)	m
Max diff in level between storage tank and outdoor unit	m
Addition of gas required	g/m
Min diff in level between storage tank and indoor unit	g/m

10 positive/10 negative<sup>(E)</sup>

25

2

### F-GAS DATA

Refrigerant type	R134a
Refrigerant charge	g
GWP	1100
CO <sub>2</sub> equivalents	1430

1,573

### CODE (storage tank + outdoor unit)

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

A+

XL

3069751

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.

<sup>(A)</sup> 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.

<sup>(B)</sup> 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).

<sup>(C)</sup> 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).

<sup>(D)</sup> 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).

<sup>(E)</sup> 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



INVERTER CONTROL



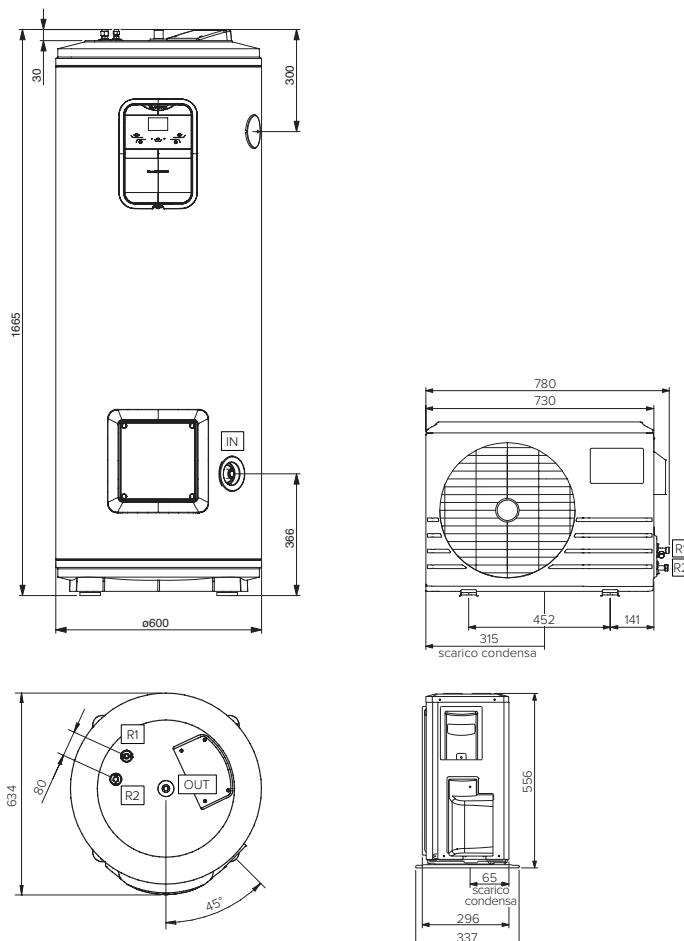
ENERGY EFFICIENT



ANTI-CORROSION



SUPER SILENT

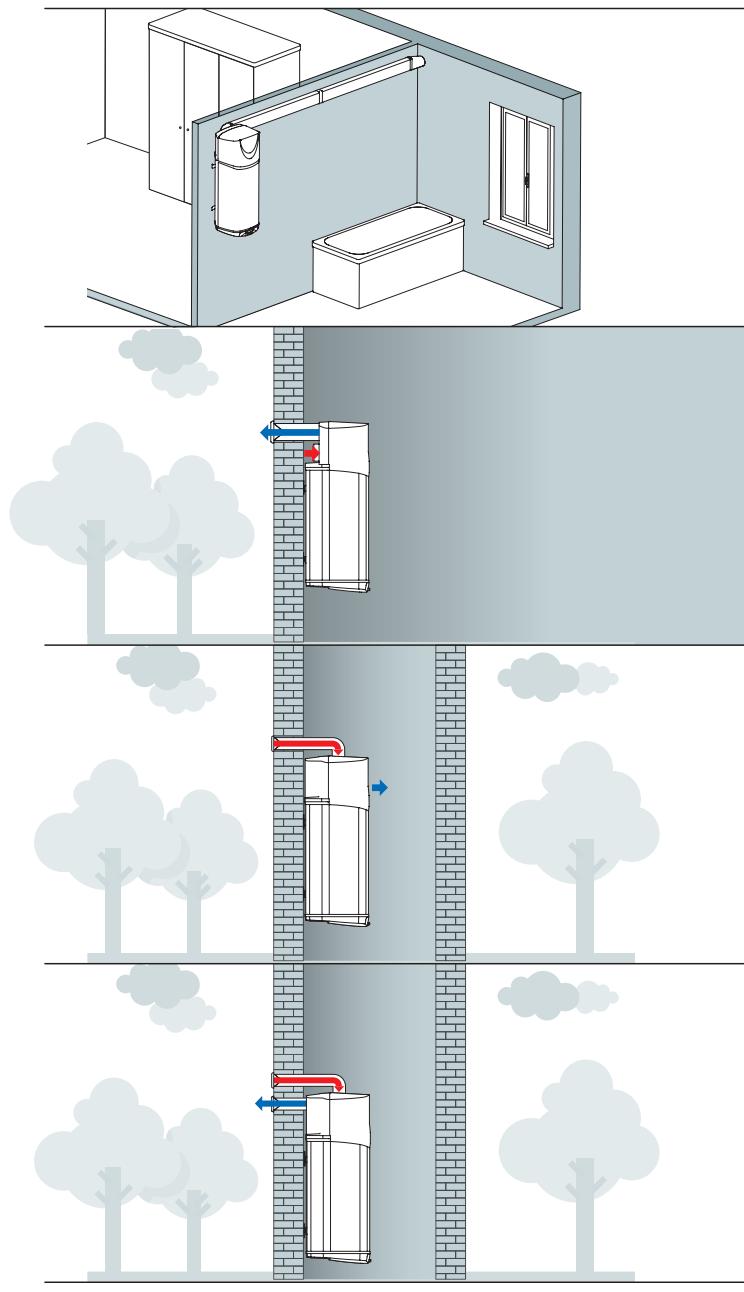
PHOTOVOLTAIC  
SYSTEM INTEGRATION

# Monoblock models: air canalization options

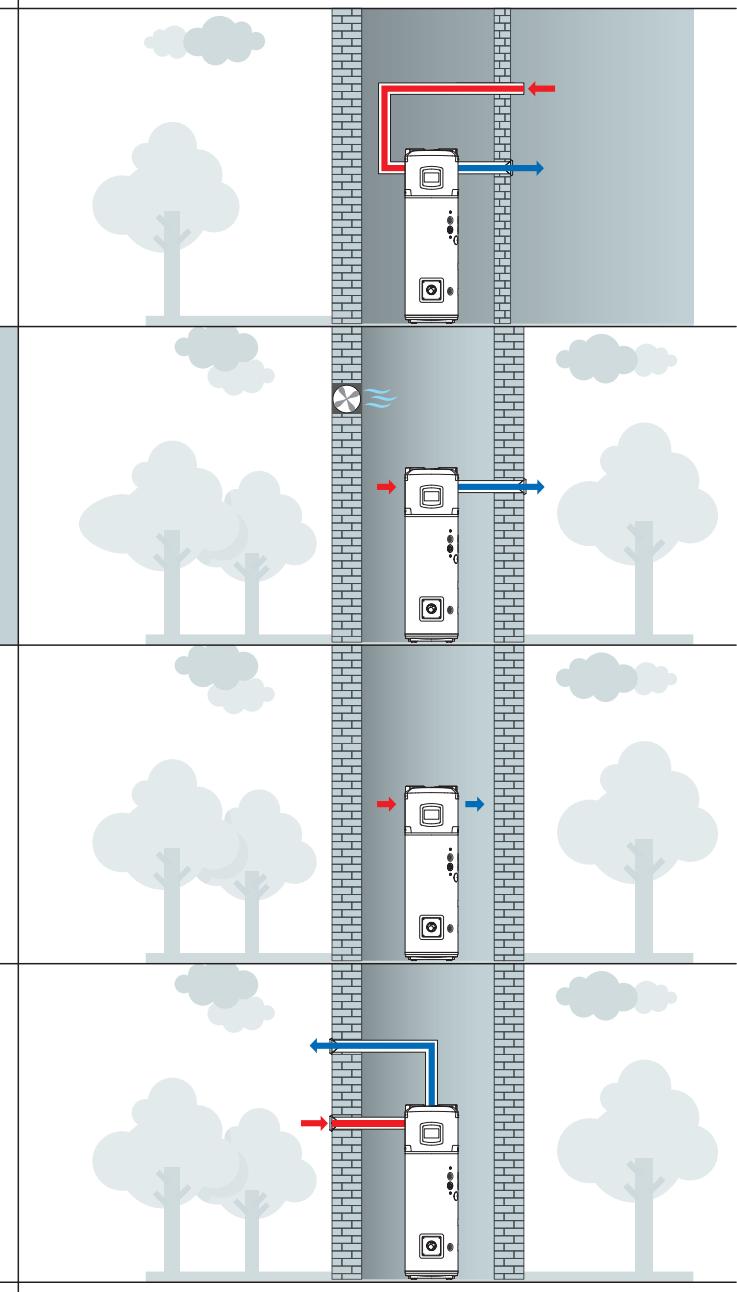
The air can be ducted both on the inlet and on the outlet sides to channel the flow appropriately according to the various situations.

The NUOS range features numerous air accessories to fulfill any installation requirements.

**WALL-HUNG MONOBLOCK  
NUOS EVO A+, NUOS PRIMO**



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

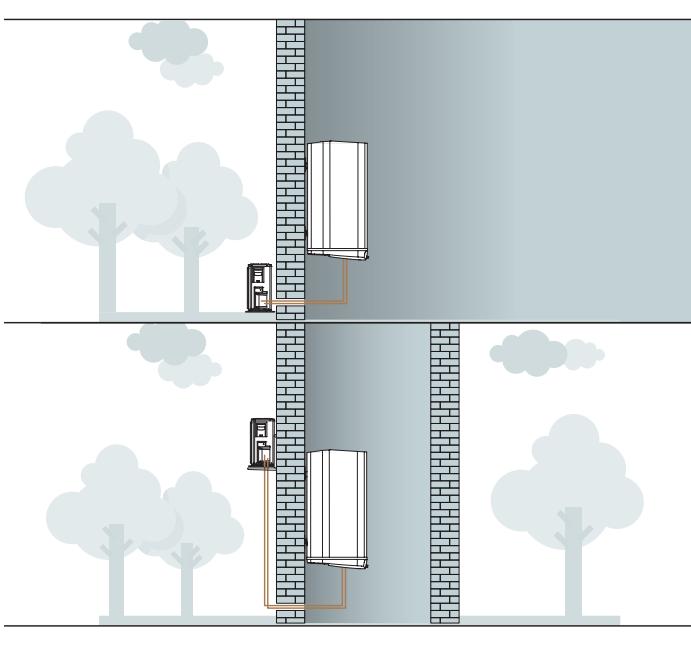


Maximum duct linear lenght of 10 m (duct ø 125 mm)  
(NUOS PRIMO) e 12m (NUOS EVO A+)

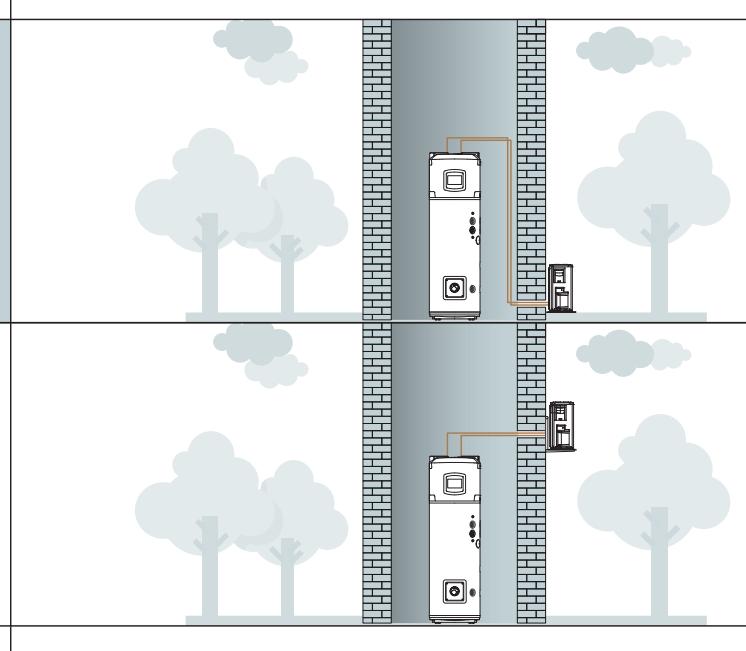
Maximum linear duct lenght of 14m (duct ø 150mm) and 45 m (duct ø 200mm) (NUOS PLUS Wi-Fi) e 8m (NUOS PRIMO HC)

# Split models: installation options

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



**FLOOR-STANDING SPLIT  
NUOS SPLIT INVERTER Wi-Fi 270 FS**



#### For NUOS SPLIT 80-110 WH:

- Max. linear distance 8 m between the storage tank and the external unit.
- Max. height difference 3 m between the storage tank and the external unit.

#### 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)\*\*

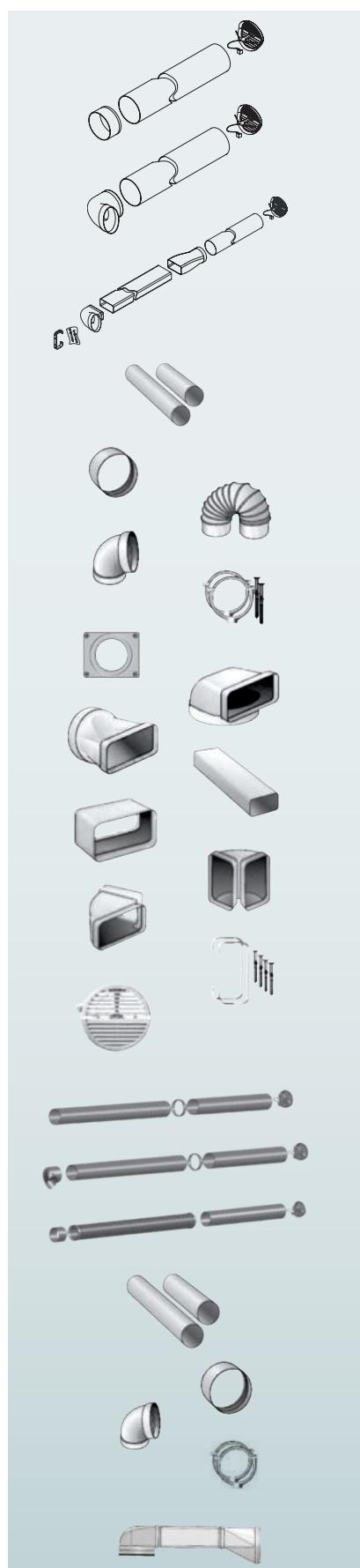
\* Positive: outdoor unit at a level below that of the indoor unit.

\*\* 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 HC	PLUS Wi-Fi
<b>PERIMETER WALL NUOS AIR KIT</b> 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.		•				
<b>INNER WALL NUOS AIR KIT</b> 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.		•				
PVC pipe ø125 mm and 1,5 m.l. length		•				
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		•				
ABS 90° elbow f.f. ø 125 mm	3208040	•				
Wall brackets for pipe ø 125 mm with screws 5x45 and nylon plugs		•				
ABS cover 190x160 mm for round pipes ø 100- 125		•				
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		•				
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 HC	PLUS Wi-Fi
<b>AIR KIT WITH RIGID PIPE Ø150 (2,5M)</b> The kit consists of flexible grate with springs, two rigid pipes (1 and 1,5 m) and a connector.	3208061				•	•
<b>AIR KIT WITH RIGID PIPE Ø150 (2,5M)</b> The kit consists of flexible grate with springs, two rigid pipes (1 and 1,5 m), a connector and an elbow.		•				
<b>AIR KIT WITH RIGID PIPE Ø150 (2,5M)</b> 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		•			•	•
Pipe ø150 0,1m		•			•	•
Connection ø150	3208066	•			•	•
90° elbow ø150	3208067	•			•	•
2 wall brackets for pipe ø150		•			•	•
Flexible pipe ø150 1 m		•			•	•



Air duct kit for low ceilings (2 pcs)	3078167				•	
<b>Insulated canalization ø160 mm</b>	<b>Code</b>	<b>EVO A+</b>	<b>SPLIT 80-110</b>	<b>SPLIT INV. Wi-Fi</b>	<b>PRIMO</b>	<b>PRIMO HC</b>
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				•	
<b>Canalization ø200 mm</b>	<b>Code</b>	<b>EVO A+</b>	<b>SPLIT 80-110</b>	<b>SPLIT INV. Wi-Fi</b>	<b>PRIMO</b>	<b>PRIMO HC</b>
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				•	•
<b>Installation accessories</b>	<b>Code</b>	<b>EVO A+</b>	<b>SPLIT 80-110</b>	<b>SPLIT INV. Wi-Fi</b>	<b>PRIMO</b>	<b>PRIMO HC</b>
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)		



# New Heat Pump Commercial





Ariston commercial heat pump water heaters provide flexible and powerful solutions for applications requiring huge water quantity.

- AR Series - Air To Water
- AR Series - Swimming Pool
- AR Series - Water To Water

# COMMERCIAL PRODUCT RANGE



**Flexible** installation

## Customized solutions for all needs

AR-Series heat pumps come with more complete ranges and constantly guarantee the lowest energy consumption. There are various range models of heat pumps: Commercial air to water swimming pool heat pump and commercial water to water

**Unique combination  
of technology  
and style**

## COMMERCIAL AIR TO WATER



### Efficiency

- COP > 4
- Copeland compressor (for highest powers)
- Patented tube in shell heat exchange
- R410a ecological refrigerant gas
- Electronic expansion valve

### Ease of

- Friendly HMI with multi-function display
- Water pump embedded (AR-6PM)
- Ready for Modbus RS485

### Safety

- Pressure and temperature sensors and switches
- Defrosting system thanks to a special valve
- Over-current and over-temperature protection

### Comfort

- Hot water up to 60°C
- Fan blade with special «low noise» shape

## COMMERCIAL SWIMMING POOL



### Efficiency

- COP up to more than 5
- Scroll or Rotary compressor
- R410a, ecological refrigerant gas
- Dual coil titanium heat exchanger, corrosion-proof
- Electronic expansion valve

### Ease of use

- Friendly HMI with multi-function display
- Ready for Modbus RS485

### Safety & reliability

- Pressure and temperature sensors and switches
- Defrosting system thanks to a special valve
- Over-current and over-temperature protection

### Comfort

- Hot water up to 45°C
- Cooling mode available up to 8°C
- Fan blade with special «low noise» shape

## COMMERCIAL WATER TO WATER



### Efficiency

- COP > 4
- Copeland compressor
- R134a, ecological refrigerant gas
- Patented tube in shell heat exchanger

### Ease of use

- Friendly interface with LCD display
- Integration with chilled systems
- Compact design and flexible installation
- Ready for Modbus RS485

### Safety & reliability

- Pressure and temperature sensors and switches
- Over-current and over-temperature protection

### Comfort

- Water temperature up to 80°C
- Low noise

# Air-to-Water Technical Data

## AR- SERIES



AR-SERIES - AIR TO WATER

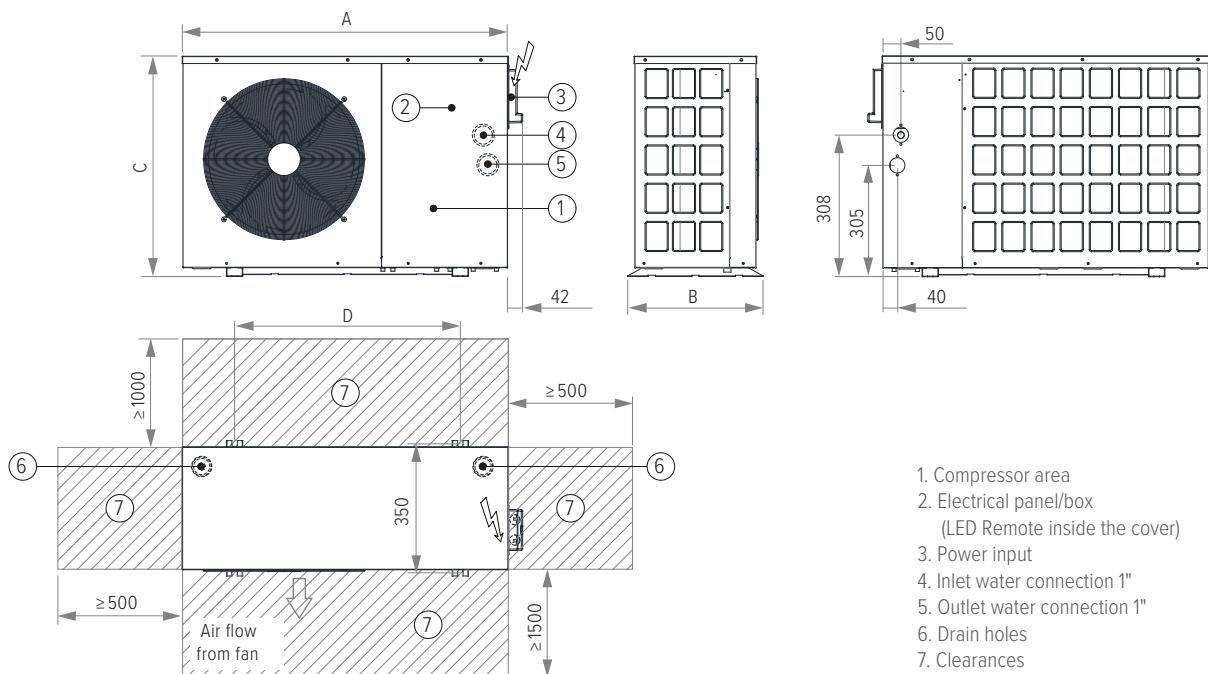
Technical data		AR-6PM HX MT	AR-10PM HX MT
Code		3629138	3629139
Heating Capacity	kW	6.80	11.6
Power input	kW	1.65	2.49
COP*		4.12	4.66
Hot water volume	L/H	142	250
Max. power input	kW	2	3.68
Max. Running current	A	10.5	17.1
Voltage	V	200~240	200~240
Phase		Single	Single
Frequency	Hz	50	50
Max. water temperature	°C	60	60
Operation tem. range	°C	-7~45	-7~45
Compressor type		Rotary	Rotary
Compressor quantity	unit	1	1
Refrigerant type		R410	R410
Refrigerant charge	gram	-	-
Circulation pump	m³/h	Available	-
Water flow rate	m³/h	1.2	2
Water pressure drop	kpa	36	65
Water connection	Inch	1	1
Fan quantity	unit	1	1
Fan motor input	watt	36	85
Air volume	m³/h	-	4000
Noise	dB(A)	59	54
Display		LED	LED - colorful touch screen
Gross wieght	Kg	79	105
Net wieght	Kg	69	94
Box dimension	mm	955 x 410 x 760	1020 x 500 x 950
Net dimension	mm	936 x 375 x 605	960 x 470 x 910

Testing condition : ambient tempererure 20/15 °C, water circulation from 15 to 55 °C.

# Dimensions AR- SERIES

AR-6PM HX MT

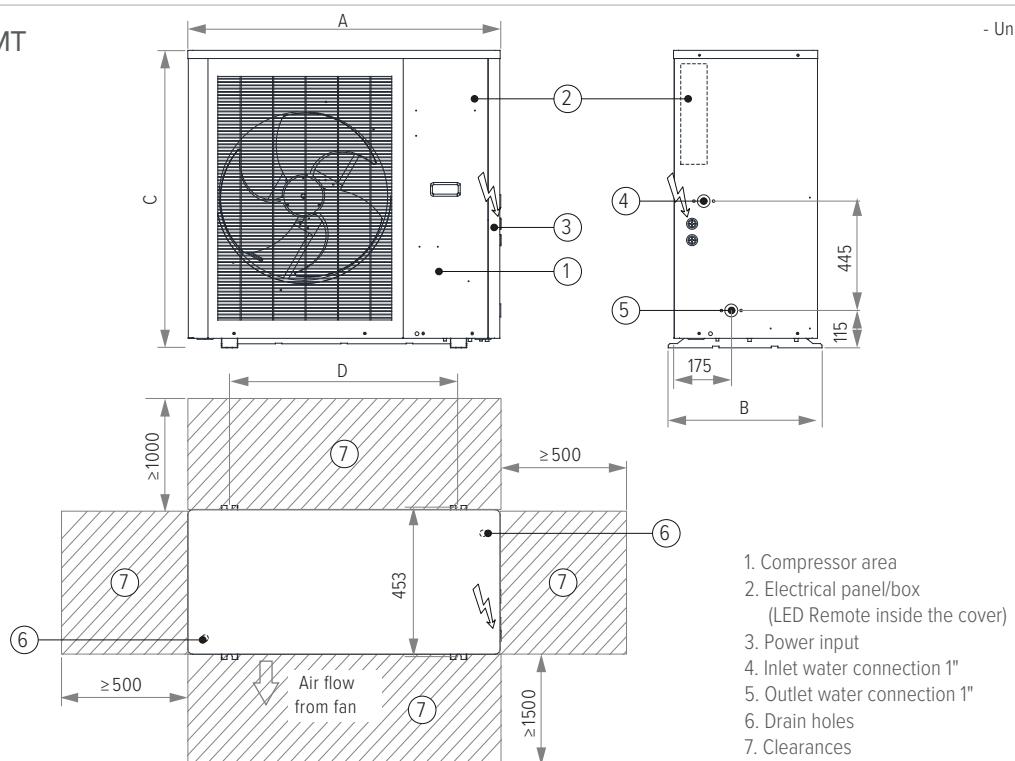
- Unit in mm



1. Compressor area
2. Electrical panel/box  
(LED Remote inside the cover)
3. Power input
4. Inlet water connection 1"
5. Outlet water connection 1"
6. Drain holes
7. Clearances

AR-10PM HX MT

- Unit in mm



1. Compressor area
2. Electrical panel/box  
(LED Remote inside the cover)
3. Power input
4. Inlet water connection 1"
5. Outlet water connection 1"
6. Drain holes
7. Clearances

AR- SERIES - COMMERCIAL AIR TO WATER

AR-6PM HX MT

AR-10PM HX MT

Size

Length (A)	mm	896	960
Width (B)	mm	372	470
Height (C)	mm	605	910
D	mm	621	700

# Technical Data

## AR- SERIES



AR-SERIES - AIR TO WATER

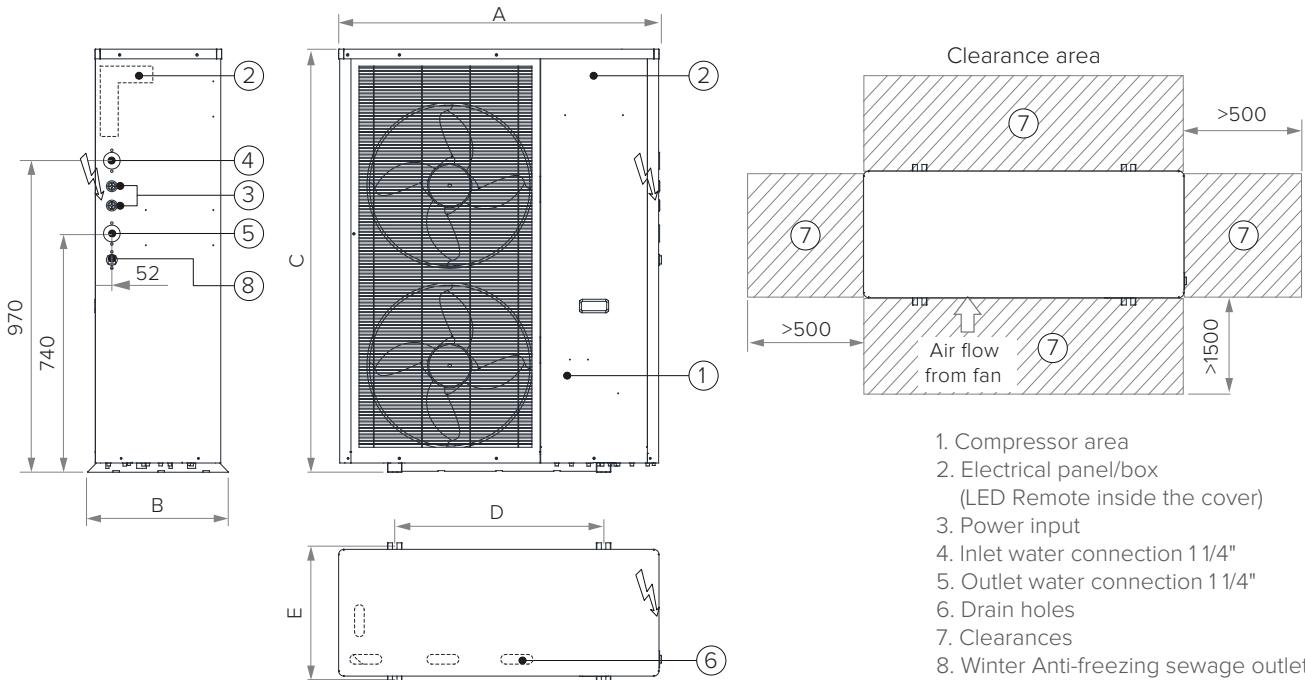
Technical data		AR-20PTP HX MT	AR-40PTP HX MT
Code		3629140	3629141
Heating Capacity	kW	23	48
Power input	kW	4.84	9.97
COP*		4.75	4.81
Hot water volume	L/H	494	1031
Max. power input	kW	6.9	14.3
Max. Running current	A	11.5	24.2
Voltage	V	380~415	380~415
Phase		Three	Three
Frequency	Hz	50	50
Max. water temperature	°C	60	60
Operation tem. range	°C	-15 ~43	-15 ~43
Compressor type		Scroll	Scroll
Compressor quantity	unit	2	2
Refrigerant type		R410	R410
Refrigerant charge	gram	-	-
Circulation pump	m³/h	-	-
Water flow rate	m³/h	4	8.3
Water pressure drop	kpa	129	110
Water connection	Inch	1 1/4	1 1/2
Fan quantity	unit	2	2
Fan motor input	watt	75 x 2	200 x2
Air volume	m³/h	3340 x 2	5500 x 2
Noise	dB(A)	56	61
Display		LED - colorful touch screen	LED - colorful touch screen
Gross wieght	Kg	163	391
Net wieght	Kg	154	350
Box dimension	mm	1070 x 450 x 1445	1830 x 880 x 1900
Net dimension	mm	1000 x 395 x 1215	1700 x 800 x 1735

Testing condition : ambient tempererature 20/15°C, water circulation from 15 to 55°C.

# Dimensions AR- SERIES

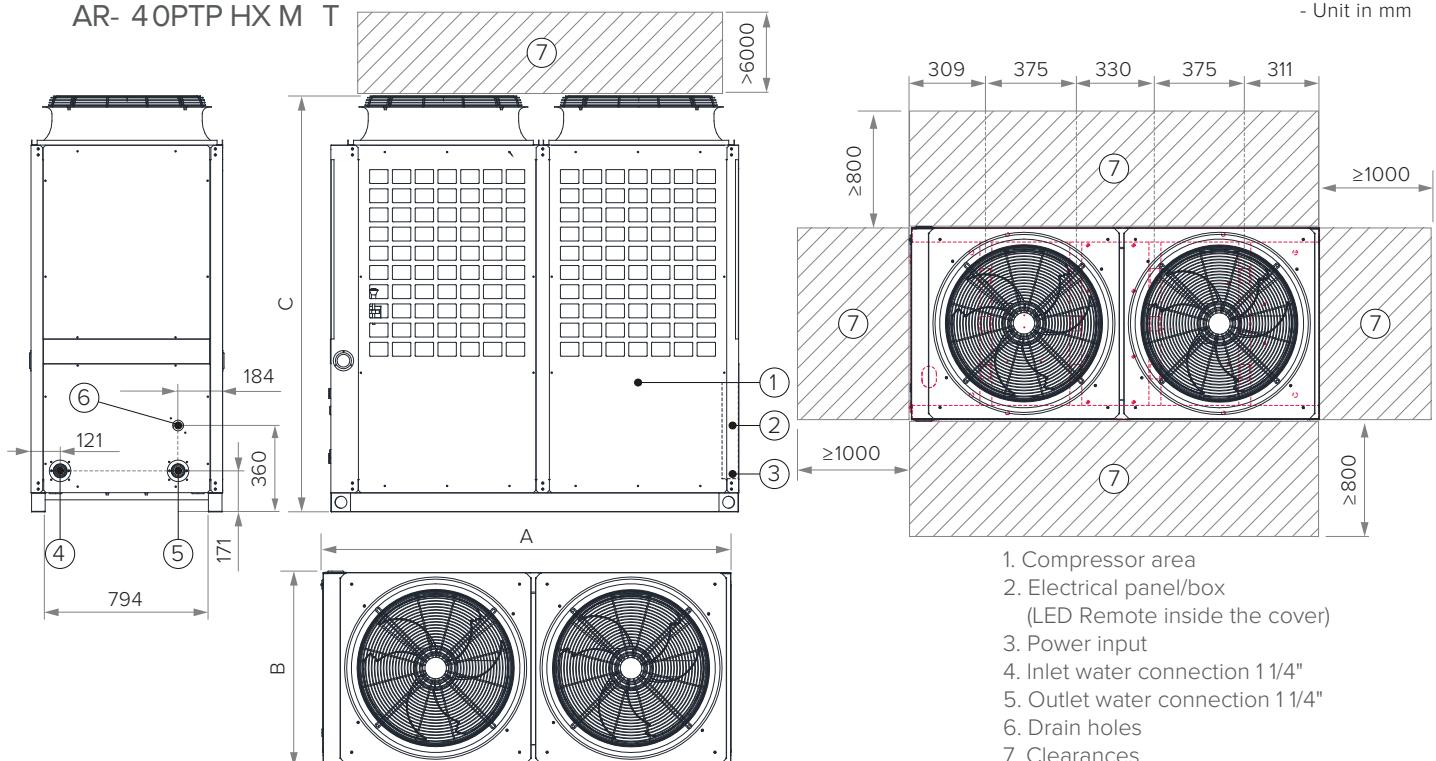
AR-20PTP HX MT

- Unit in mm



AR- 40PTP HX M T

- Unit in mm



AR- SERIES - COMMERCIAL AIR TO WATER

AR-20PTP HX MT

AR-40STP HX MT

Size

Length (A)	mm	1000	1700
Width (B)	mm	440	800
Height (C)	mm	1315	1735
D	mm	650	-
E	mm	397	-

# Technical Data

## AR- SERIES



AR-SERIES - AIR TO WATER

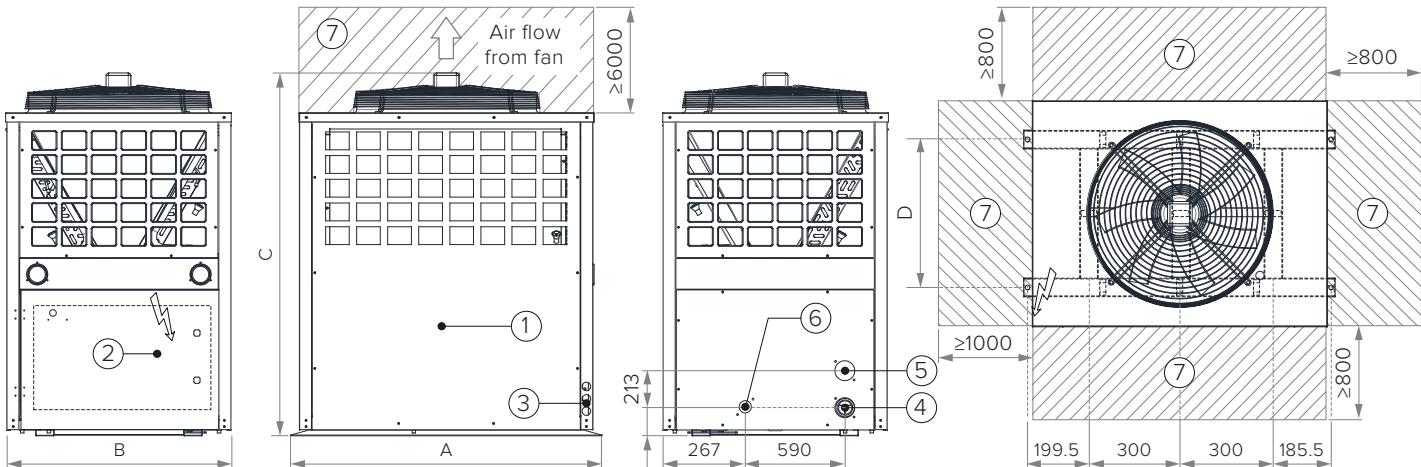
Technical data		AR-20STP HX MT	AR-50STP HX MT
Code		3629136	3629137
Heating Capacity	kW	24	47
Power input	kW	4.77	9.3
COP*		5.03	5.05
Max. power input	kW	5.72	11.2
Max. Running current	A	11.2	19.3
Voltage	V	380	380
Phase		Three	Three
Frequency	Hz	50	50
Max. water temperature	°C	-	-
Operation tem. range	°C	-	-
Compressor type		Scroll	Scroll
Compressor quantity	unit	1	2
Refrigerant type		R410	R410a
Refrigerant charge	Kg	2.7	2 x 2.4
Water flow rate	m³/h	9	15
Fan quantity	Units	1	2
Fan motor input	Watt	120	2 x 200
Water connection	Inch	1 1/2	2
Noise	unit	58	61
Display	watt	LED - touch screen	LED - touch screen
Gross wieght	Kg	185	295
Net wieght	Kg	146	260
Box dimension	mm	1070 x 780 x 1350	1520 x 790 x 1340
Net dimension	mm	1015 x 75 x 1130	1464 x 735 x 1340

Testing condition : ambient tempererature 27 °C / 24.3°C, inlet water 26 °C.

\*According to IEC/EN 60335-1

# Dimensions AR- SERIES

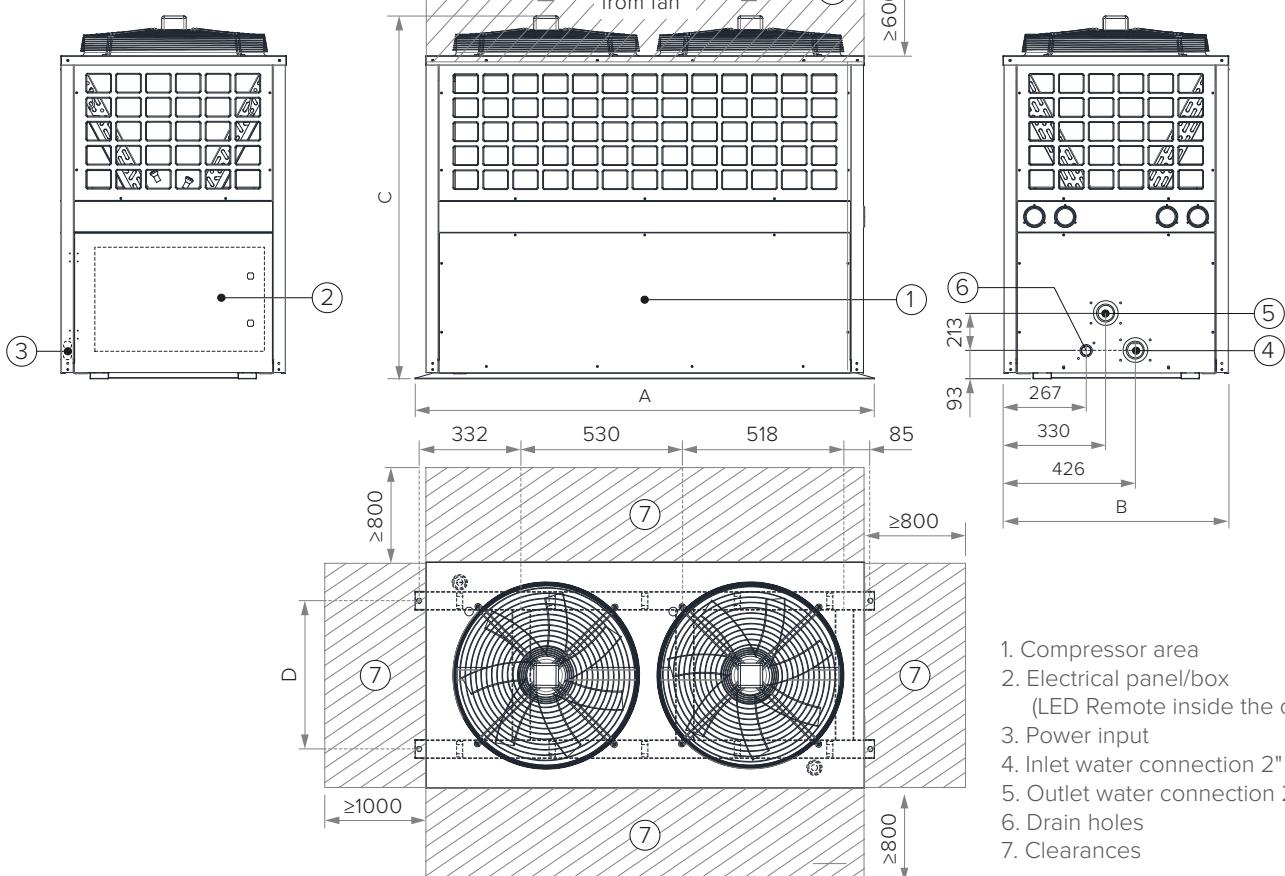
## AR-20STP HX MT



- 1. Compressor area
- 2. Electrical panel/box  
(LED Remote inside the cover)
- 3. Power input

- 4. Inlet water connection 1 1/2"
- 5. Outlet water connection 1 1/2"
- 6. Drain holes
- 7. Clearances

## AR-50STP HX MT



- 1. Compressor area
- 2. Electrical panel/box  
(LED Remote inside the cover)
- 3. Power input
- 4. Inlet water connection 2"
- 5. Outlet water connection 2"
- 6. Drain holes
- 7. Clearances

## AR- SERIES - COMMERCIAL AIR TO WATER

## AR-20STP HX MT

## AR-50STP HX MT

### Size

Length (A)	mm	1015	1490
Width (B)	mm	735	728
Height (C)	mm	1130	1130
D	mm	480	480

# Technical Data

## AR- SERIES



**AR-SERIES - SWIMMING POOL**

Technical data		AR-6SM HX MT	AR-8SM HX MT	AR-12SM HX MT
Code		3629133	3629134	3629135
Heating Capacity	kW	5.95	8.47	11.6
Power input	kW	1.04	1.45	1.98
COP*		4.44	5.84	5.85
Max. power input	kW	1.34	2.01	2.65
Max. Running current	A	5.86 / 6.1	8.93	11.8
Voltage	V	230	230	230
Phase		Single	Single	Single
Frequency	Hz	50	50	50
Max. water temperature	°C	-	-	-
Operation tem. range	°C	-	-	-
Compressor type		Rotary	Rotary	Rotary
Compressor quantity	unit	1	1	1
Refrigerant type		R410	R410	R410
Refrigerant charge	Kg	0.55	0.8	1
Water flow rate	m <sup>3</sup> /h	2.3	3	4.5
Fan quantity	Units	1	1	1
Fan motor input	Watt	90	90	120
Water connection	Inch	1 1/2	1 1/2	1 1/2
Noise	unit	50	52	54
Display	watt	LED - touch screen	LED - touch screen	LED - touch screen
Gross wieght	Kg	44	62	67
Net wieght	Kg	39	56	58
Box dimension	mm	846 x 330 x 590	1040 x 415 x 615	1040 x 415 x 615
Net dimension	mm	765 x 280 x 600	765 x 280 x 600	765 x 280 x 600

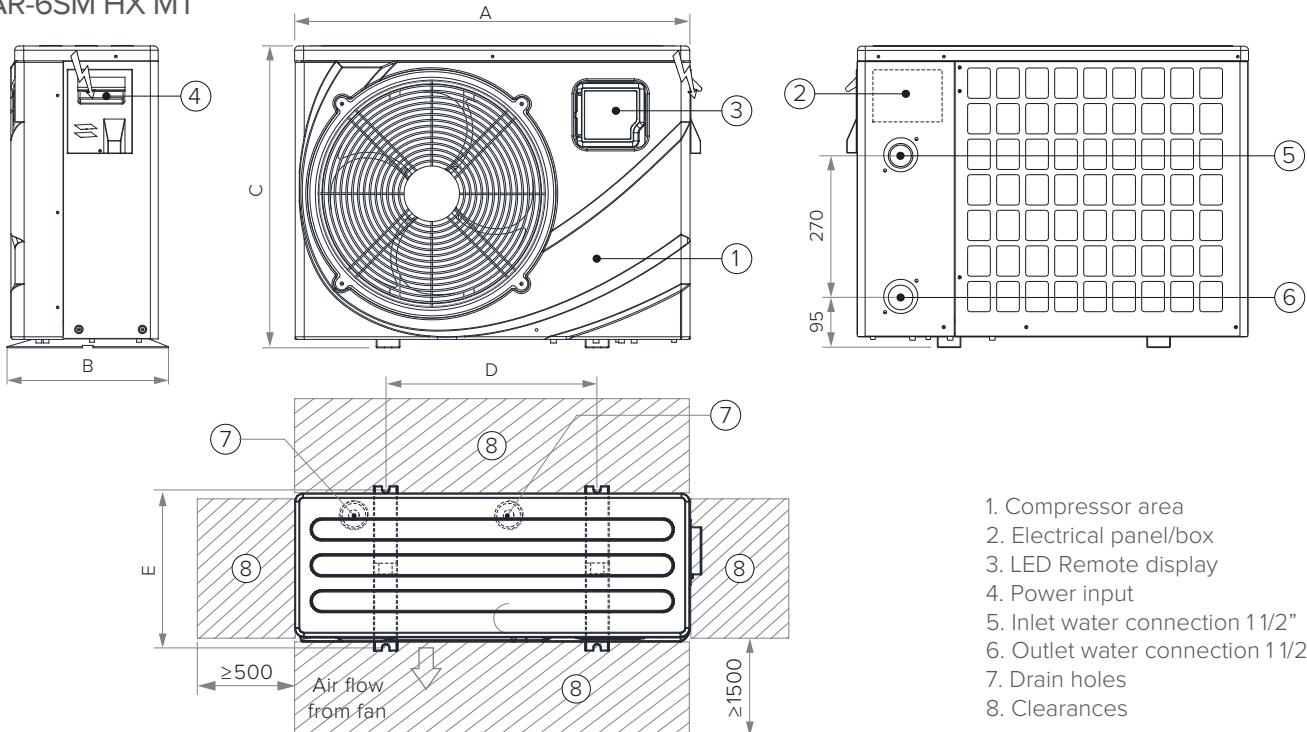
Testing condition : ambient tempereture 27 °C / 24.3°C, inlet water 26 °C.

\*According to IEC/EN 60335-1

# Dimensions AR- SERIES

AR-6SM HX MT

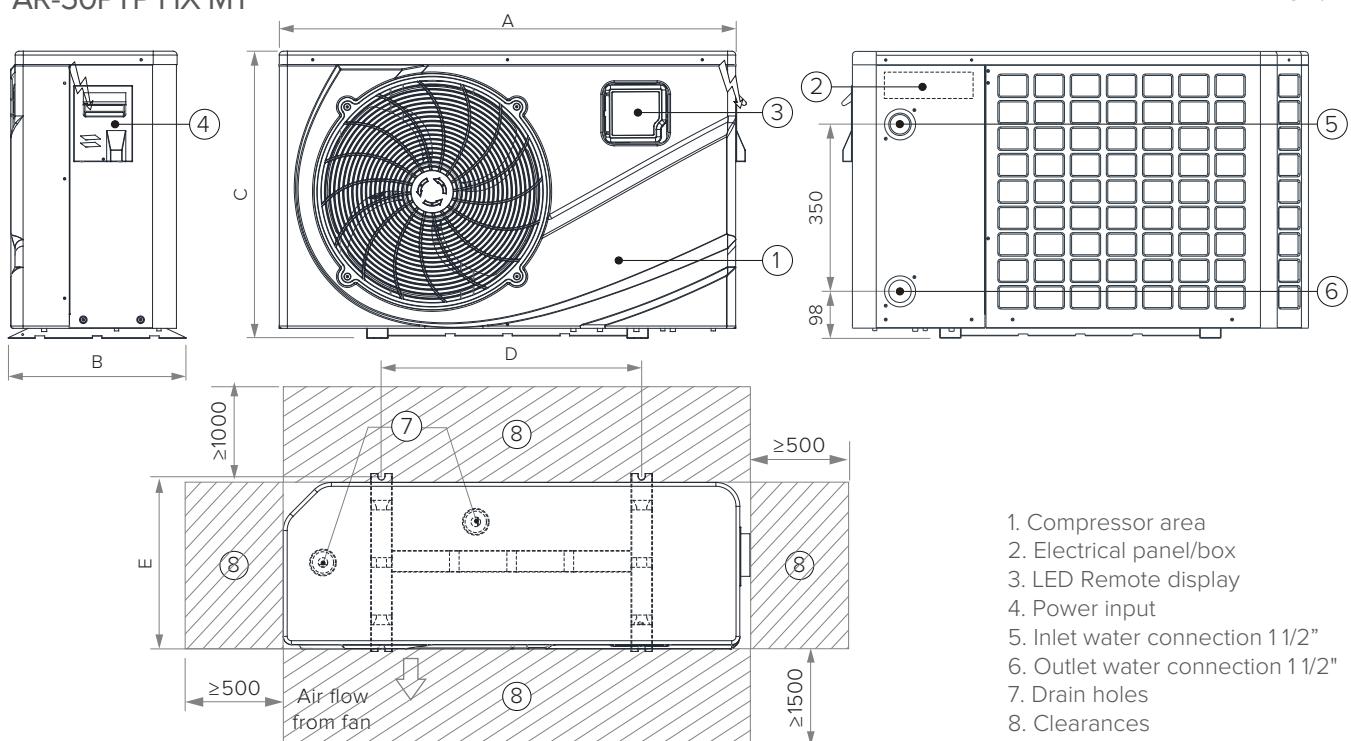
- Unit in mm



1. Compressor area
2. Electrical panel/box
3. LED Remote display
4. Power input
5. Inlet water connection 1 1/2"
6. Outlet water connection 1 1/2"
7. Drain holes
8. Clearances

AR-50PTP HX MT

- Unit in mm



1. Compressor area
2. Electrical panel/box
3. LED Remote display
4. Power input
5. Inlet water connection 1 1/2"
6. Outlet water connection 1 1/2"
7. Drain holes
8. Clearances

## AR- SERIES - SWIMMING POOLS

### AR-6SM HX MT

### AR-8SM HX MT

### AR-12SM HX MT

#### Size

Length (A)	mm	765	956	956
Width (B)	mm	305	372	372
Height (C)	mm	580	600	600
D	mm	400	545	545
E	mm	280	360	360

# Technical Data AR- SERIES



NEW Heat Max Water Source Heat Pump Water Heaters

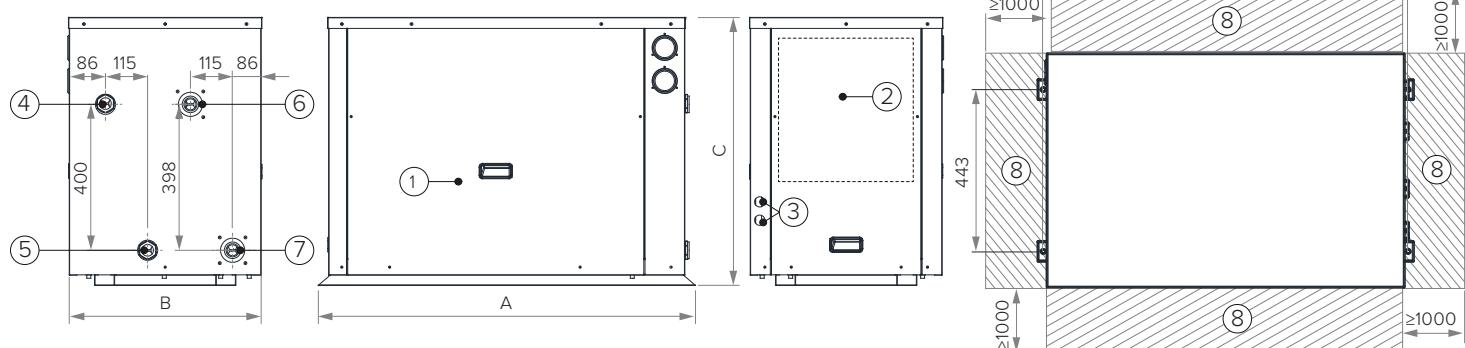
Technical data		AR-40WTP HX	AR-80WTP HX	AR-160WTP HX
*Heating Capacity	kW	40.0	80.0	160.0
*Cooling Capacity	kW	30.0	60.0	120.0
*Power Input	kW	8.5	17.0	34.0
*COP	W	4.71	4.71	4.71
*EER	W	3.53	3.53	3.53
**Heating Capacity	kW	34.4	68.5	137.6
**Cooling Capacity	kW	26.0	52.1	104.1
**Power Input	kW	8.0	18.0	32.0
**COP	W	4.30	4.30	4.30
**EER	W	3.25	3.25	3.25
Max. Power Input	kW	14.8	29.2	58.4
Max. Running Current	A	27	54	108
Power Supply	V/Ph/Hz	380V~415V/3N~/50Hz		
Compressor Type	/	Copeland ZW150KBE-TFP-522 Scroll Compressor		
Compressor Quantity	/	1	2	4
*Evaporator	Type	PHNIX Patented Tube in Shell Heat Exchanger		
	Water Flow(m³/h)	4.5	9.0	18.0
	Water pressure drop(kPa)	45.0	40.0	37.0
	Water Connection	DN40	DN65	DN80
*Condenser	Type	PHNIX Patented Tube in Shell Heat Exchanger		
	Water Flow(m³/h)	6.0	12.0	24.0
	Water pressure drop(kPa)	75.0	70.0	66.0
	Water Connection	DN40	DN65	DN80
Noise	dB(A)	65.0	68	69
Refrigerant	/	R134a		
Controller	/	PHNIX Controller		
Display	/	5 Inch Colorful Touch Display		
Max.Outlet Water Temp.	°C	80		
Cabinet	/	Eco-friendly Galvanized Metal/Stainless Steel for option		
Net Weight	kg	202	441	836
Net Dimensions(L/W/H)	mm	1030*640*730	1172*900*1365	1600*1130*1500
Shipping Dimensions(L/W/H)	mm	1130*710*910	1360*960*1520	1790*1210*1670

\*Testing Condition Evaporator Side inlet/outlet:25/20°C; Condenser Side inlet/outlet:50/55°C

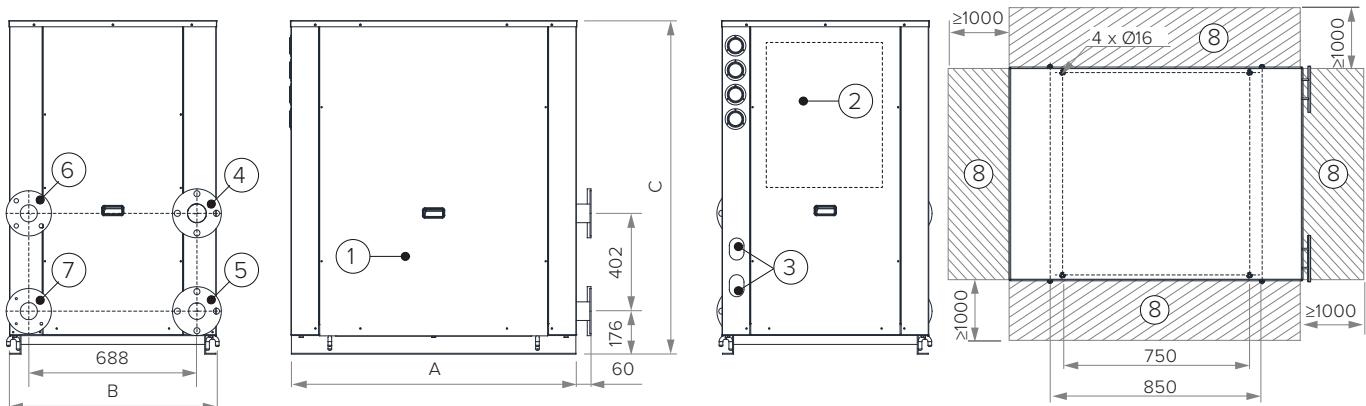
\*\*Testing Condition Evaporator Side inlet/outlet:20/15°C; Condenser Side inlet/outlet: 50/55°C

# Dimensions AR-SERIES

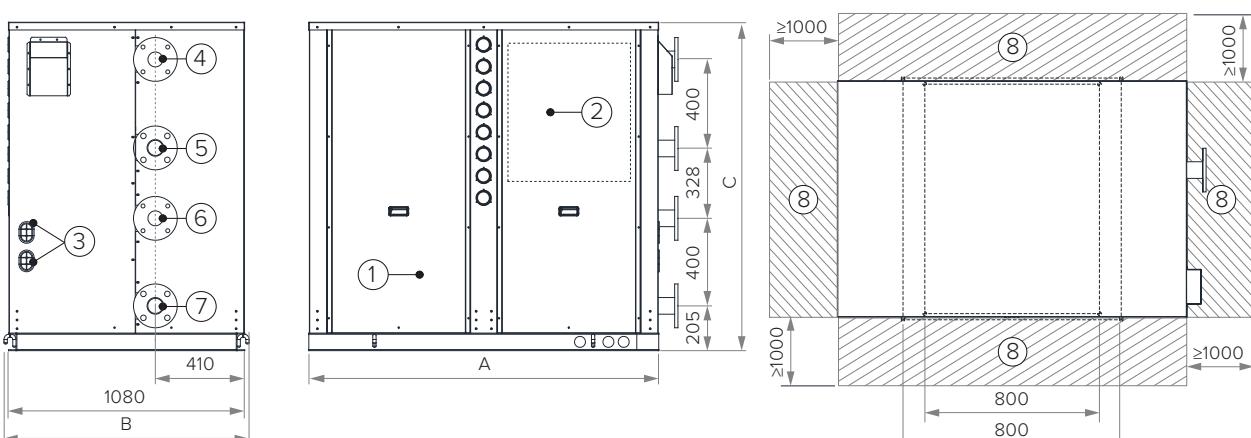
AR-40WTP HX MT



AR-80WTP HX MT



AR-160WTP HX MT



1. Compressor area
2. Electrical panel/box  
(LED Remote inside the cover)
3. Power input
4. Heat water outlet
5. Heat water inlet
6. Cold water inlet
7. Cold water outlet
8. Clearances

## AR-SERIES - COMMERCIAL AIR TO WATER

### AR-40WTP HX MT

### AR-80WTP HX MT

### AR-160WTP HX MT

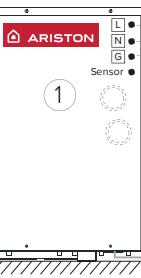
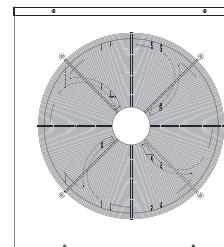
Size

Length (A)	mm	973	1172	1600
Width (B)	mm	524	900	1130
Height (C)	mm	730	1365	1500

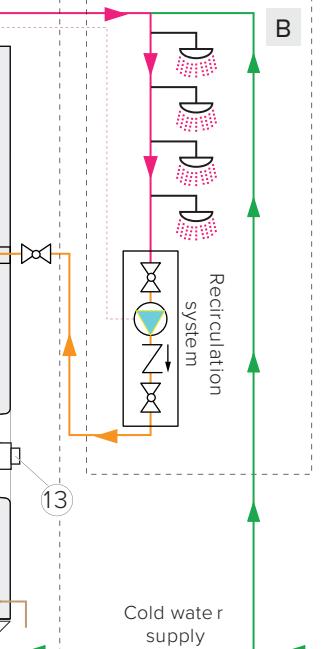
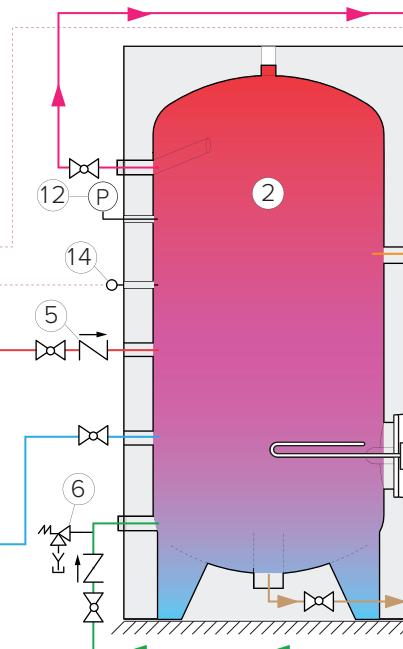
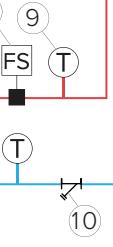
# Installation Schemes

A

## INSTALLATION FOR AR-6PM & AR-10PM



Panel Control  
⑪



Cold water supply

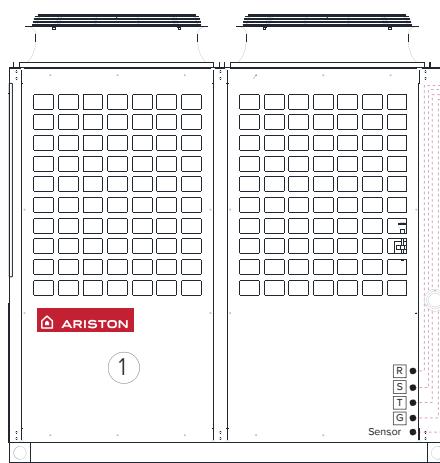
\*Note: the installation drawing just for reference, there may several installing ways

A Ariston scope

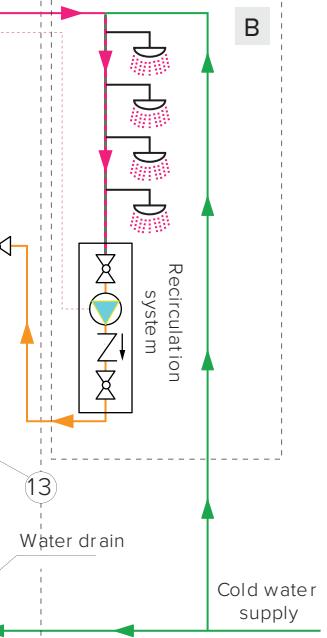
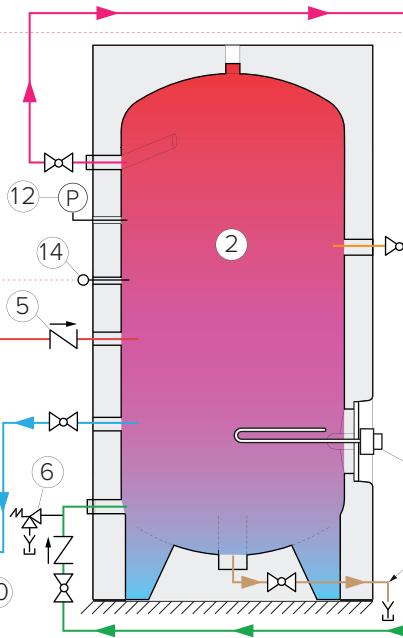
B not Ariston scope

A

## INSTALLATION FOR AR-20PTP & AR-40PTP



Panel Control  
⑪



Cold water supply

\*Note: the installation drawing just for reference, there may several installing ways

A Ariston scope

B not Ariston scope

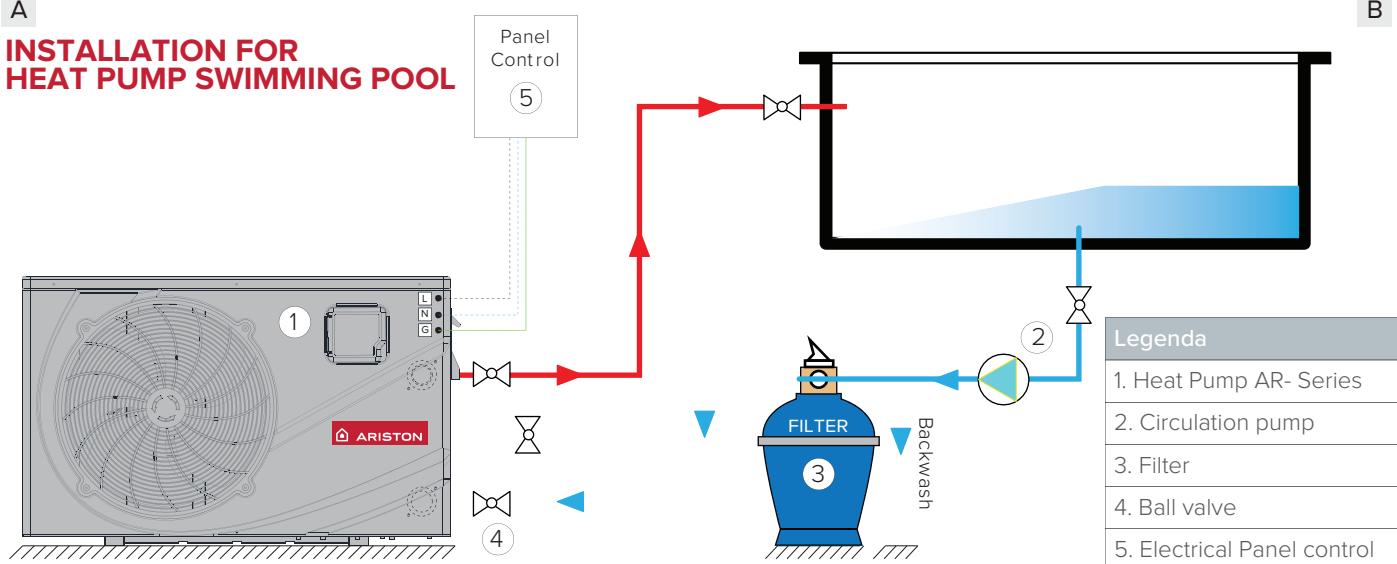
### Legenda

Cold water supply	1. Heat Pump AR-Series	9. Thermometer
Hot water supply	2. Storage tank (Ariston/Local)	10. Y-Strainer
Hot water shower (mixing)	3. Circulation pump	11. Electric panel control
Cold water circulation from tank to heat pump	4. Ball valve	12. Pressure gauge
Hot water circulation from heat pump to tank	5. Check valve/One way valve	13. Heating element (optional)
Recirculation	6. Safety valve	14. Hot water sensor
Condensate drain	7. Flow switch	15. Drainage
Water drain (tank)	8. Drain & maintenance valve	

# Installation Schemes

A

## INSTALLATION FOR HEAT PUMP SWIMMING POOL

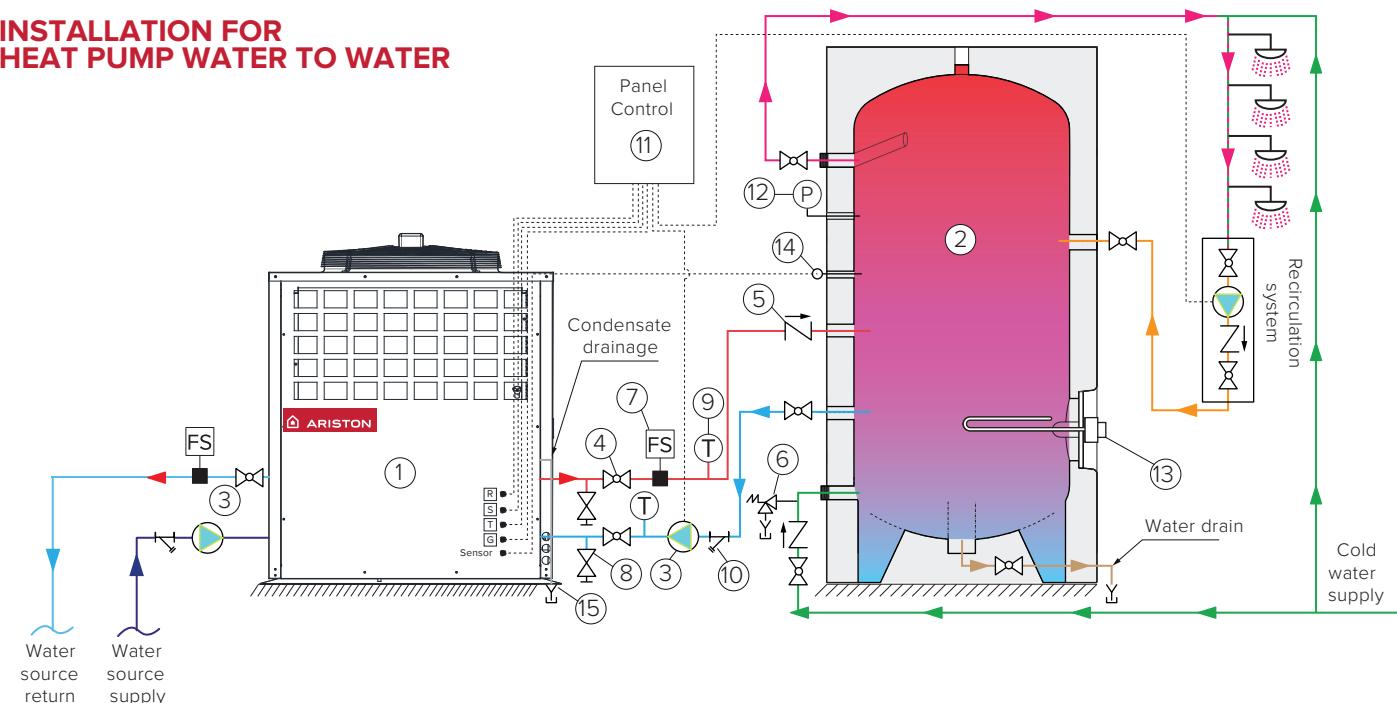


A Ariston scope

B not Ariston scope

\*Note: the installation drawing just for reference, there may several installing ways.  
for other models (AR-20STP/AR-50STP), the installation is more or less the same, only the power source is different.

## INSTALLATION FOR HEAT PUMP WATER TO WATER



\*Note: the installation drawing just for reference, there may several installing ways.

\*Note: the installation drawing just for reference, there may several installing ways.

### Legenda

Cold water supply	1. Heat Pump AR-Series	9. Thermometer
Hot water supply	2. Storage tank (Ariston/Local)	10. Y-Strainer
Hot water shower (mixing)	3. Circulation pump	11. Electric panel control
Cold water circulation from tank to heat pump	4. Ball valve	12. Pressure gauge
Hot water circulation from heat pump to tank	5. Check valve/One way valve	13. Heating element (optional)
Recirculation	6. Safety valve	14. Hot water sensor
Condensate drain	7. Flow switch	15. Drainage
Water drain (tank)	8. Drain & maintenance valve	

**Pre-Sales and After-Sales technical support**

## **Our services**

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

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