

ARYA
Innovation and
Efficiency
 for your comfort!

LINE **FUSION**

COMMERCIAL

R290 Heat Pump Water Heater

AR200L-PC

AR200L-PCS With Solar Integration

AR300L-PC

AR300L-PCS With Solar Integration

GAS
R290

CLASS
A+

WIFI
INTEGRATED

DISPLAY
LCD

DETRACTION
FISCAL



FUSION 200/300L Heat Pump Water Heater: Efficiency and Versatility

THE FUSION 200/300L is designed to meet high capacity water heating needs, making it the ideal solution for a wide range of residential and commercial installations. Thanks to its advanced heat pump technology this water heater offers superior energy efficiency, reducing consumption and providing significant savings in operating costs.

With its robust and versatile design, **THE FUSION** 200/300L is perfect for installations in luxury , large flats, as well as industrial buildings and sports facilities such as gyms and sports clubs. capacity of 200 or 300 litres ensures ample hot water availability to meet even the most requirements. This makes it a strategic choice for anyone wishing to optimise energy efficiency without compromising performance or comfort.

FUSION Line: FUSION PC and FUSION PCS with Solar Integration

The **FUSION** line designed to adapt to different water heating needs, offering two distinct configurations: **FUSION PC** and **FUSION PCS** with Solar Integration. The **FUSION PC** version employs heat pump technology to energy efficiency by relying solely electricity heating. On the other , the **FUSION PCS** version with Solar Integration is a highly innovative option that allows the system to be connected to solar thermal panels. This connection not only further energy costs, but also minimises environmental impact.

By choosing the configuration with Solar Integration, users can benefit from the free heat provided by the sun, making the **FUSION** system not only a champion efficiency, but also an ecologically and economically advantageous choice.

ENVIRONMENTALLY FRIENDLY REFRIGERANT GAS R290

Compared to conventional refrigerants, R290 has a significantly lower global warming potential (GWP), helping to mitigate the effects of climate change. In addition, its high energy performance coefficient facilitates better heat transfer, improving operating efficiency of the water heater. **FUSION** utilises these characteristics of the R290, ensuring not only environmentally responsible operation, but also a decrease in greenhouse gas emissions. adopting the R290 refrigerant gas, the consumer can benefit from a system that combines high performance with an environmentally responsible approach.

Heat pump water heaters can benefit from various INCENTIVES

aimed at promoting energy efficiency and environmental sustainability. Due to their efficiency, it is possible to benefit from tax deductions that can cover up to 65% of the costs, making the investment more affordable.

Furthermore, in some cases, additional regional subsidies or local incentives are available that support the adoption of energy-efficient technologies. These incentives not only make initial investment more affordable, but also increase the economic attractiveness of heat pumps in the long run, stimulating a transition to cleaner energy solutions for water heating.

1.5Kw RESISTANCE

Equipped with a powerful 1.5KW heating element, **FUSION** provides fast and efficient heating while maintaining maximum comfort.

The 1.5KW electrical resistance in the **FUSION** is designed to intervene only when strictly necessary, thereby optimising the unit's overall energy efficiency.

This means that the resistor kicks in automatically and exclusively during periods of maximum load or when ambient conditions do not allow the heat pump to operate at full capacity, e.g. during particularly cold or low-humidity days.

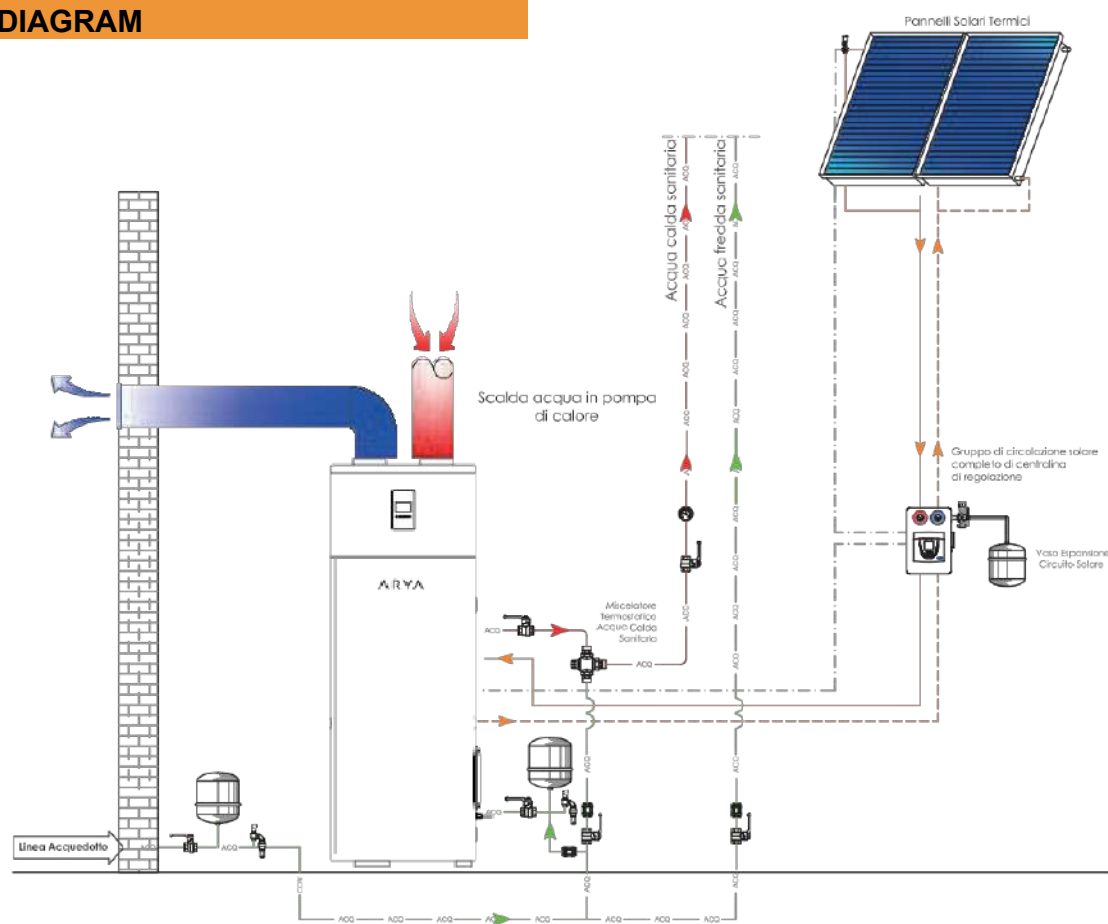
This functionality ensures a constant supply of hot water without compromising on efficiency, as the use of the heating element is limited to cases where the primary heating system alone is not sufficient to meet demand. In this way, the system keeps operating costs low, using the heating element only as a temporary support in situations that require it.

MANAGEMENT APP AND INTEGRATED WIFI

The integration of a management app and WiFi connectivity into the **FUSION** system is a major step forward in terms of control and convenience. Through the app, users can monitor energy consumption in real time, set desired temperatures and schedule heating cycles flexibly and precisely. This functionality not only enables a more efficient use of the system, but also helps to personalise the user experience according to the specific needs of the family. In addition, the WiFi connection enables automatic software updates, ensuring that the system always operates with the latest available functionality. Remote control through the app also facilitates the resolution of technical problems in a timely manner, improving overall reliability and durability of the product. Thanks to these digital innovations, **FUSION** is not just a heating device, but a smart element integrated into your home.



SYSTEM DIAGRAM



TECHNICAL DATA	AR200L-PC/PCS	AR300L-PC/PCS
TANK CAPACITY	200L	300L
OUTER CLADDING	Painted galvanised steel	Painted galvanised steel
ENERGY EFFICIENCY INDEX	A+	A+
STRUCTURE	Update on plastics	Update on plastics
COP	3.9	3.9
POWER SUPPLY	220V~50Hz	220V~50Hz
HEAT PUMP HEATING CAPACITY	1500W	1500W
WATER HEATING CAPACITY	35L/h	35L/h
MAXIMUM INPUT POWER	2100W	2600W
NOMINAL INPUT POWER	385W	385W
POWER OF THE ELECTRIC ELEMENT	1500W	2000W
MAXIMUM WATER TEMPERATURE	75°C	75°C
NOMINAL WORKING PRESSURE OF THE TANK	0.8MPa	0.8MPa
TYPE OF COMPRESSOR	Rotating, Fixed	Rotating, Fixed
COMPRESSOR MODEL	Model: GMCC,RDTN150D21TEZ31	Model: GMCC,RDTN150D21TEZ31
TYPE OF EVAPORATOR	Microchannel heat exchanger	Microchannel heat exchanger
TYPE OF LIMITATION	Electronic Expansion Valve (EEV)	Electronic Expansion Valve (EEV)
NOISE LEVEL	40 dB(A)	40 dB(A)
REFRIGERANT	R290/150g	R290/150g
AMBIENT OPERATING TEMPERATURE	-5~45°	-5~45°
WATER CONNECTION DIMENSIONS	G3/4	G3/4
MAXIMUM OPERATING PRESSURE	3.0 MPa	3.0 MPa
NET WEIGHT	95kg	129kg
NET SIZE	650x1440mm	650x1850mm
PACKAGED DIMENSIONS	705x1555mm	705x1965mm