

R290 Air Source Heat Pump

Make the world cleaner, make the life better



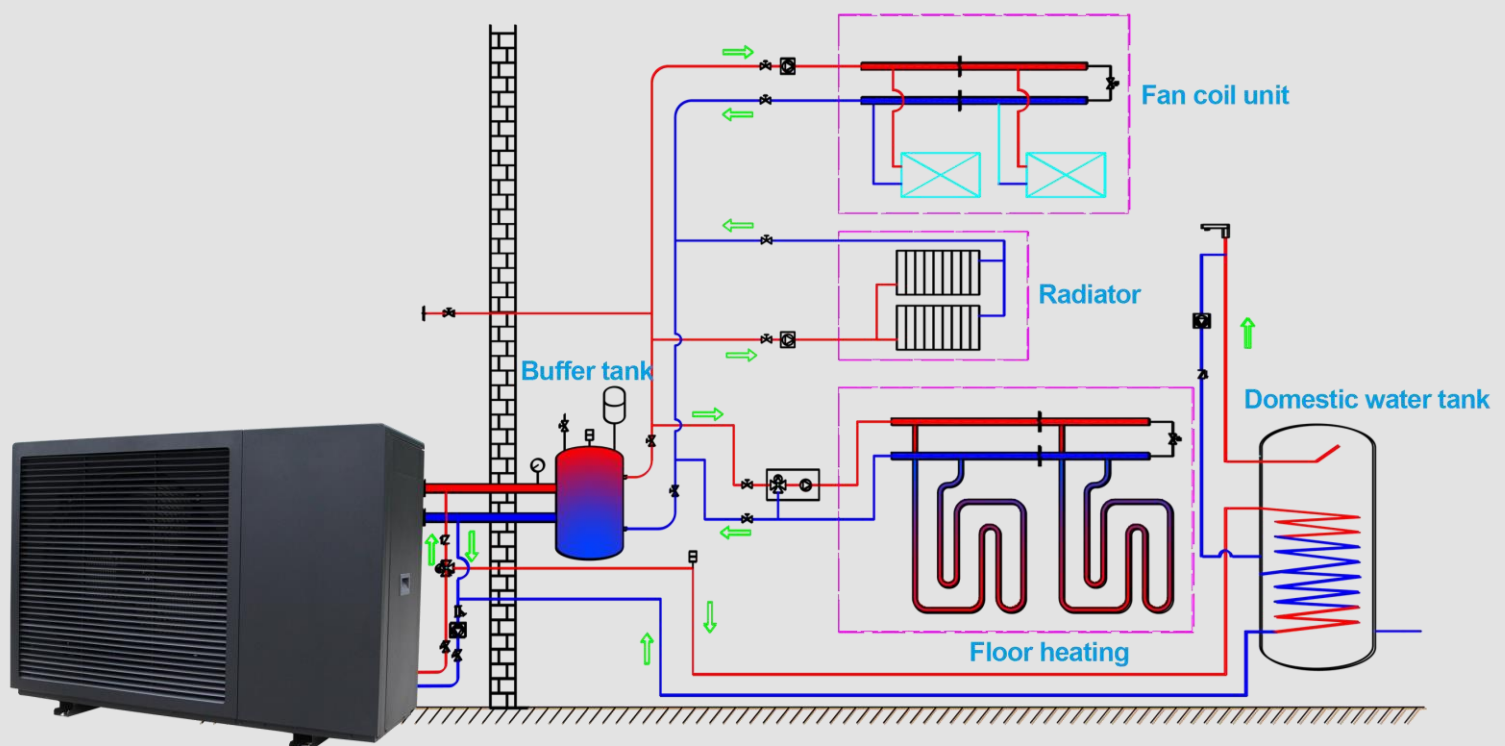
Heating & Cooling & DHW
R290 DC Inverter Heat Pump





Heat pump: a renewable energy source

Whether heating or cooling, makes modernizing a heating system as easy as replacing a gas-condensing boiler.





Safe **R290** refrigerant

The new heat pumps in the R290 S thermal series use the "green" refrigerant R290 (refrigerant), which is considered particularly environmentally responsible with its very low GWP (global warming potential) .

Advantages

HIGH ENERGY EFFICIENCY

LARGE HEAT CAPACITY

ENVIRONMENTALLY FRIENDLY

ODP=0
neutral for
the ozone
layer

GWP=3
low impact
on global
warming



**INTELLIGENT
DEFROST**



**CLIMATE PROTECT
THE GREEN
REFIRGERANT R290**



**INVERTER
TECHNOLOGY**



**TOUCH CONTROL
LED DISPLAY**

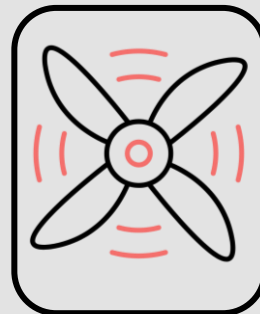
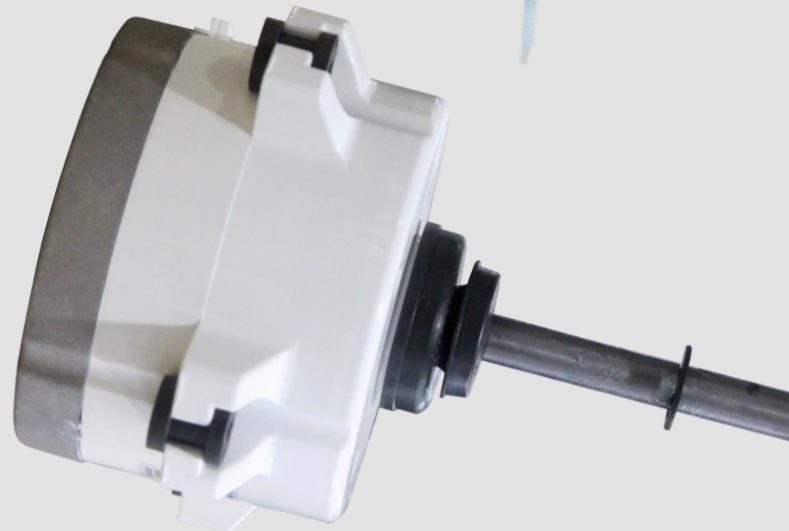
Full DC Inverter Technology

With this technology, users can enjoy a maximum level of comfort at the lowest costs. Monoblock heat pump in the market is to save space and money. For sure, the R290 Full DC Inverter heat pump will be the future trend.



DC INVERTER COMPRESSOR

In contrast to **AC drive technology**, DC inverter speed technology often regulates compressor control process more accurately, increasing transmission efficiency and lowering compressor noise and energy consumption.



DC INVERTER FAN MOTOR

DC fan motor control enables super-quiet fan operation and minimizes power consumption.



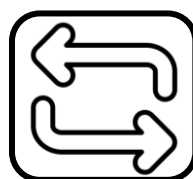
WATER PUMP

The built-in water pump connects to the water inlet of the machine to make water flow in the pipe.

High efficiency

Plate heat exchanger

Heat exchange is carried out through the plates, which has the advantage of high heat exchange efficiency.



ELECTRONIC EXPANSION VALVE

In order to maintain the stability of the refrigeration the system, an electronic valve can quickly alter the flow of refrigerant.



Modern technologies



SOUNDPROOF

The cabinet's whole exterior is completely soundproofed. Sponge substance that is effective in absorbing and muting the compressor's operating noise.



Ultra silent

Single fan structure for big capacity with lower noise.

ELEGANT

Black and White Sheet Metal Design

Stylish and innovative
cabinetry design.
Blends in with the local
architecture.

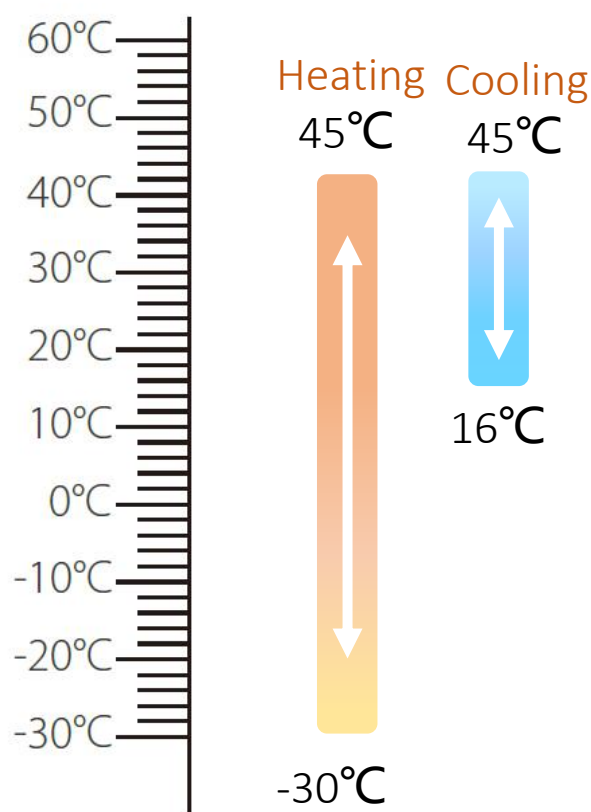


EVERYTHING In one APP

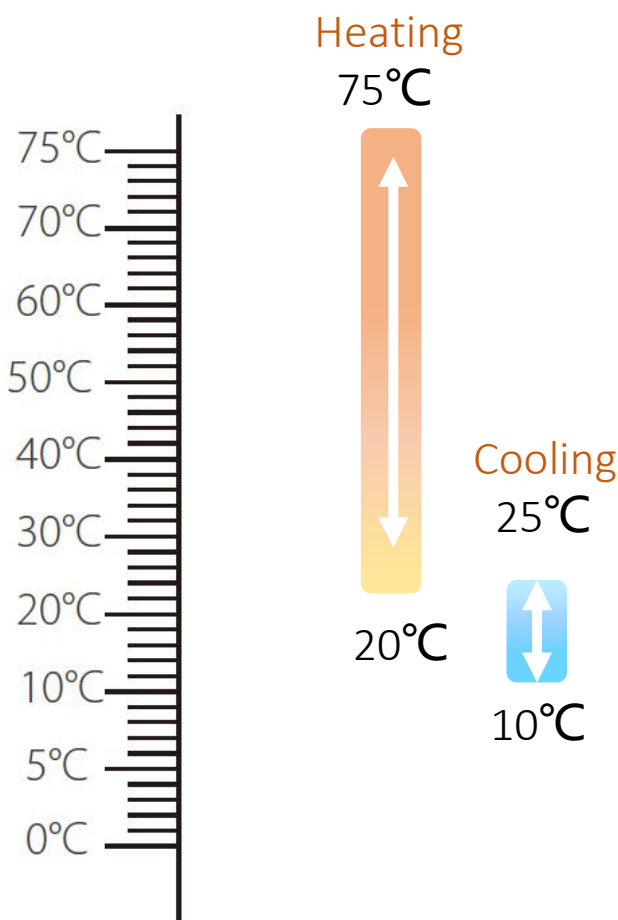
Everything in one app



Wide **ambient temp.** & **water temp.** operation ranges



Ambient temperature
operation range



Water temperature
operation range