



HERO PREMIUM HEAT PUMP

R290

The modern HERO PREMIUM R290 heat pump guarantees efficient heating and cooling of the house and domestic hot water. The matte black ABS housing provides an aesthetic and modern look. The pump uses a fully inverter solution with the environmentally friendly R290 refrigerant.

stable operation
down to
-25 °C

R290

**quiet
work**

**FULL
Inverter**

A+++

**75 °C
supply
temperature**



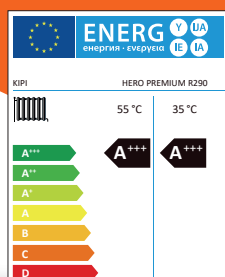
Characteristics

HIGH ENERGY EFFICIENCY A+++

Targeted to the European market, the HERO PREMIUM R290 air-to-water heat pump has been developed using the latest heat pump technology and modern design to meet the stringent requirements of performance, stability and quiet operation. HERO PREMIUM R290 not only uses the R290 factor for its work, but also has the A+++ energy label. Thanks to this, this device is not only energy-efficient, but also qualifies for the highest level of funding.

ABS – A STRUCTURE WITHOUT ANY SCREWS

A modern design with a corrugated surface and without any screws guarantees the smart appearance of the heat pump. ABS is resistant to corrosion what extends the lifespan of the device.



42dB (A) SILENT WORK

Owing to the unique, sound absorbent internal structure, the pump acoustic pressure is maintained at the level of 42 dB (A) within the distance of 1 m.

R290 WORKING MEDIUM

The applied R290 refrigerant is an optimal solution that is environmentally friendly and at the same time allows for the highest energy efficiency parameters and a high supply temperature of up to 75 ° C. It directly affects the better operation of the pump and the greater efficiency of the device using less refrigerant.

STABLE WORK AT -25 °C

Thanks to the inverter technology, HERO PREMIUM R290 can operate efficiently at -25 ° C, maintain a high COP and stable operation.

The technical specifications of HERO PREMIUM R290

POWER AND EFFICIENCY

	HERO PREMIUM R290/ Q10	HERO PREMIUM R290/ Q12	HERO PREMIUM R290/ Q20
Heating power at A7/W35 [kW]	3,21 9,14 (min. max.)	5,34 15,37 (min. max.)	7,94 22,62 (min. max.)
Heating power at A2/W35 [kW]	2,93 8,34 (min. max.)	4,92 14,01 (min. max.)	7,24 20,62 (min. max.)
Heating power at A-7/W35 [kW]	2,49 7,10 (min. max.)	4,19 11,93 (min. max.)	6,16 17,56 (min. max.)
Heating power at A-7/W35 [kW]	2,03 5,78 (min. max.)	3,41 9,71 (min. max.)	5,01 14,29 (min. max.)
Maximum power supply temperature [°C]	75	75	75
Cooling power at A35/W7 [kW]	1,20 5,72	1,05 3,39	1,89 5,09
COP at A2/W35	4,69 (partial load)	4,74 (partial load)	4,64 (partial load)
COP at A7/W35	5,04 (partial load)	5,09 (partial load)	4,99 (partial load)
Voltage and current [V;A]	230 13,5	3x400 10,5	3x400 15,8
Maximum electricity consumption [kW]	3	5,3	9
Application limits [°C]	from -25 to 43	from -25 to 43	from -25 to 43

ACOUSTICS

External acoustic power 1m [dB(A)]	42	44	47
Minimum external acoustic power 1m [dB(A)]	57	58	62

GENERAL DATA

Hot water storage tank [l]	-	-	-
Cooling	Yes	Yes	Yes
Electric heater [kW]*	6	6	6
Hermetically closed	Yes	Yes	Yes
Cooling medium	R290	R290	R290
Medium quantity [kg]	0,50	0,85	1,30
CO2 equivalent [t CO2]	0,0015	0,0026	0,0039
Heat pump dimensions Width x Depth x Height [mm]	1167 x 407 x 795	1287 x 458 x 928	1250 x 540 x 1330
Packed heat pump weight net [kg]	100 90	123 100	175 155

ENERGY EFFECTIVENESS CLASS

Device with regulator - supply temperature 35 °C	A+++	A+++	A+++
Device with regulator - supply temperature 55 °C	A+++	A++	A++

*Available in a set with a HYDROBOX