

i-290

Datasheet

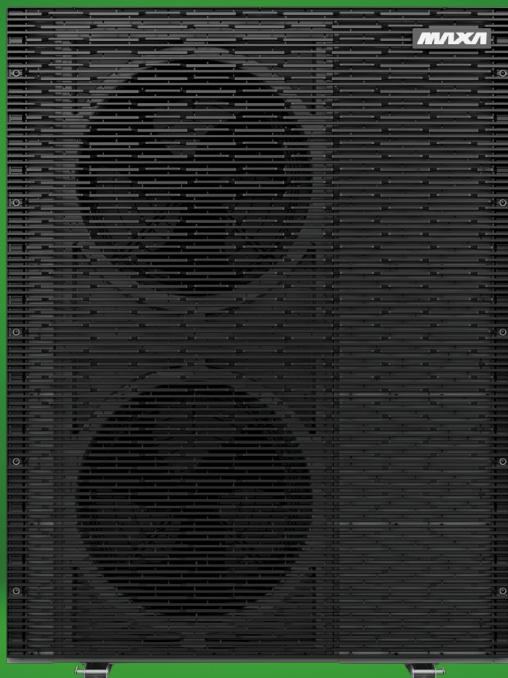


# i-290 0112 Heat Pump R290 Gas

i-290

## Key Features

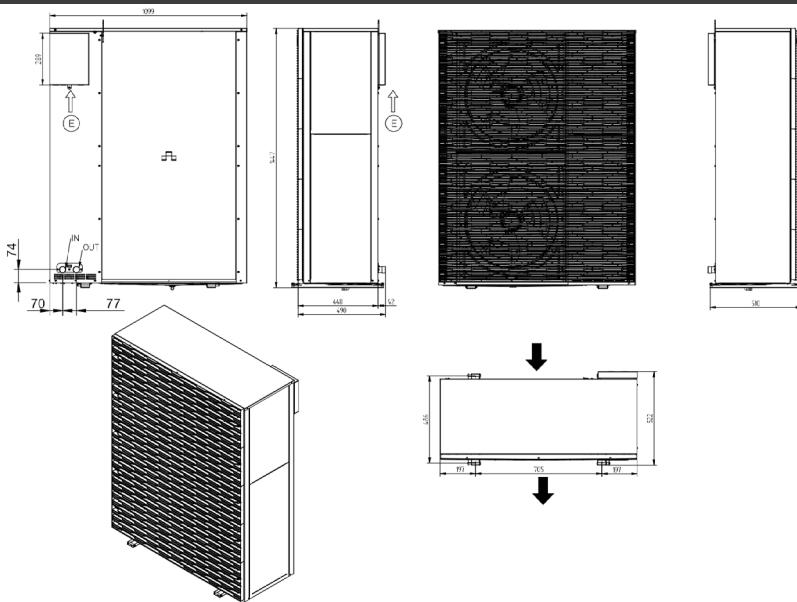
- ▶ Inverter Monoblock.
- ▶ Single solution for heating, cooling and hot water production.
- ▶ Unique design integrates advanced technical solutions and modern aesthetics.
- ▶ Maxa's i-290 heat pumps are designed to generate high water temperature even in the harshest conditions.
- ▶ Made in Italy.
- ▶ The i-290 range is available in 9 sizes, with power between 6kW and 27kW.
- ▶ Market leading SCOP's.
- ▶ 3 year Manufacturer's warranty. For information about extended warranties contact Energy Lab.



Cooling		
Cooling capacity (1)	kW	11,2* / 10,7
Power input (1)	kW	3,8
E.E.R. (1)	W/W	2,6
Cooling capacity (2)	kW	13,3* / 12,57
Power input (2)	kW	2,83
E.E.R. (2)	W/W	4,44
SEER (5)	W/W	4,7
Water flow rate (1)	L/s	0,5
Useful head (1)	kPa	81
Heating		
Heating capacity (3)	kW	13,7* / 12,60
Power input (3)	kW	2,61
C.O.P. (3)	W/W	4,83
Heating capacity (4)	kW	12,77* / 11,6
Power input (4)	kW	3,6
C.O.P. (4)	W/W	3,2
Heating capacity (11)	kW	13,08* / 12,0
Power input (11)	kW	4,6
C.O.P. (11)	W/W	2,6
SCOP (6)	W/W	4,9
Water flow rate (3)	L/s	0,6
Useful head (3)	kPa	79
Energy efficiency (Water 35°C-65°C)		A++/A++

Compressor		
Type		Twin Rotary DC Inverter
Compressors	n°	1
Refrigerant circuits	n°	1
Refrigerant quantity (7)	kg	1,00
Hydraulic circuit		
Plumbing fittings	inch	G1"
Minimum water volume (8)	L	125
Noise level		
Sound power (9)	dB(A)	59
Sound pressure at 1m distance (10)	dB(A)	44
Electrical data		
Power supply		230V/1/50Hz
Maximum power input	kW	5
Maximum input current	A	26
Weight		
Shipping weight	kg	170
MCS Certification Number: ICIM-PDC-000209		
SCOP-UK		
Flow Temperature		SCOP
35°C		4.48
50°C		3.63
65°C		3.04

## i-290 0112 - Dimensions



- PERFORMANCE REFERRING TO THE FOLLOWING CONDITIONS:
- 1. Cooling: outdoor air temperature 35°C; in/out water temperature 12/7°C.
- 2. Cooling: outdoor air temperature 35°C; in/out water temperature 23/18°C.
- 3. Heating: outdoor air temperature 7°C db 6°C db; in/out water temperature 30/35°C.
- 4. Heating: outdoor air temperature 7°C db 6°C db; in/out water temperature 47/55°C.
- 5. Cooling: low temperature, variable output, fixed flow rate.
- 6. Heating: average climatic conditions; Tbiv=-7°C; low temperature, variable output, fixed flow rate.
- 7. Indicative data subject to changes. For the correct value, always refer to the technical label on the unit.

- 8. Calculated for a decrease in system water temperature of 10°C with a defrost cycle lasting 6 minutes.
- 9. Sound power: heating mode according to EN 12102:2022; value determined on the basis of measurements made in accordance with UNI EN ISO 9614-1, in compliance with Eurovent certification requirements.
- 10. Sound pressure: value calculated from the sound power level using the standard ISO 3744:2010 at a distance of 1m.
- 11. Heating: outdoor air temperature 7°C db 6°C db; in/out water temperature 55/65°C.