

# i-290 0106 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.
- ▶ The i-290 range is available in 9 sizes, with power between 6kW and 27kW.
- ▶ Maxa's i-290 heat pumps are designed to generate high water temperature even in the harshest conditions.
- ▶ Made in Italy.
- ▶ Market leading SCOP's.
- ▶ 3 year Manufacturer's warranty. For information about extended warranties contact Energy Lab.



Cooling		
Cooling capacity (1)	kW	5,8* / 5,4
Power input (1)	kW	2,0
E.E.R. (1)	W/W	2,8
Cooling capacity (2)	kW	6,2* / 5,62
Power input (2)	kW	1,25
E.E.R. (2)	W/W	4,49
SEER (5)	W/W	4,8
Water flow rate (1)	L/s	0,3
Useful head (1)	kPa	66

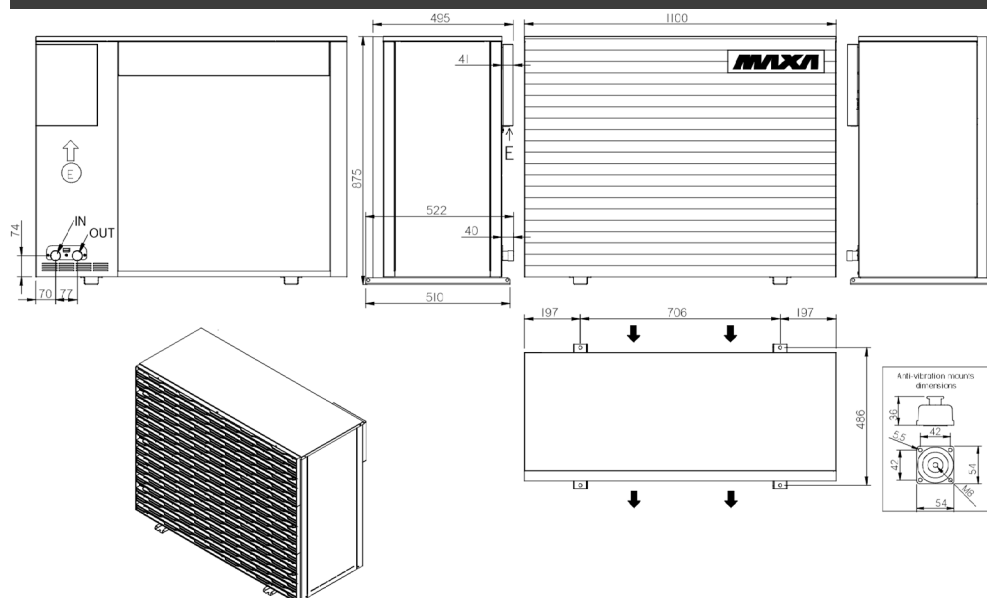
Heating		
Heating capacity (3)	kW	6,9* / 6,24
Power input (3)	kW	1,31
C.O.P. (3)	W/W	4,76
Heating capacity (4)	kW	6,4* / 6,0
Power input (4)	kW	1,9
C.O.P. (4)	W/W	3,1
Heating capacity (11)	kW	6,41* / 5,9
Power input (11)	kW	2,3
C.O.P. (11)	W/W	2,6
SCOP (6)	W/W	4,7
Water flow rate (3)	L/s	0,3
Useful head (3)	kPa	63
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	0,43
Hydraulic circuit		
Plumbing fittings	inch	G1"
Minimum water volume (8)	L	65
Noise level		
Sound power (9)	dB(A)	57
Sound pressure at 1m distance (10)	dB(A)	42
Electrical data		
Power supply		230V/1/50Hz
Maximum power input	kW	3
Maximum input current	A	14
Weight		
Shipping weight	kg	117

**MCS Certification Number: ICIM-PDC-000207**

SCOP-UK	
Flow Temperature	SCOP
35°C	4.42
50°C	3.54
65°C	2.98

## i-290 0106 - Dimensions



• PERFORMANCE REFERRING TO THE FOLLOWING CONDITIONS:

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- |  |   |
|--|---|
| 1. Cooling: outdoor air temperature 35°C; in/out water temperature 12/7°C.   | 8. Calculated for a decrease in system water temperature of 10°C with a defrost cycle lasting 6 minutes.  |
| 2. Cooling: outdoor air temperature 35°C; in/out water temperature 23/18°C.  | 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. |
| 3. Heating: outdoor air temperature 7°C db 6°C db; in/out water temperature 30/35°C.                                 | 10. Sound pressure: value calculated from the sound power level using the standard ISO 3744:2010 at a distance of 1 m.  |
| 4. Heating: outdoor air temperature 7°C db 6°C db; in/out water temperature 47/55°C.                                 | 11. Heating: outdoor air temperature 7°C db 6°C db; in/out water temperature 55/65°C.   |
| 5. Cooling: low temperature, variable output, fixed flow rate.   |   |
| 6. Heating: average climatic conditions; T <sub>biv</sub> = -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.       |   |