

ECOMOD 290HT NATURAL REFRIGERANT HEAT PUMP

40kW & 50kW



High temp
up to 75°C



Suitable for
commercial
properties



Quiet noise level
as low as 82 dB(A)**



Ultra-low GWP



Highly efficient:
COP up to 4.2***

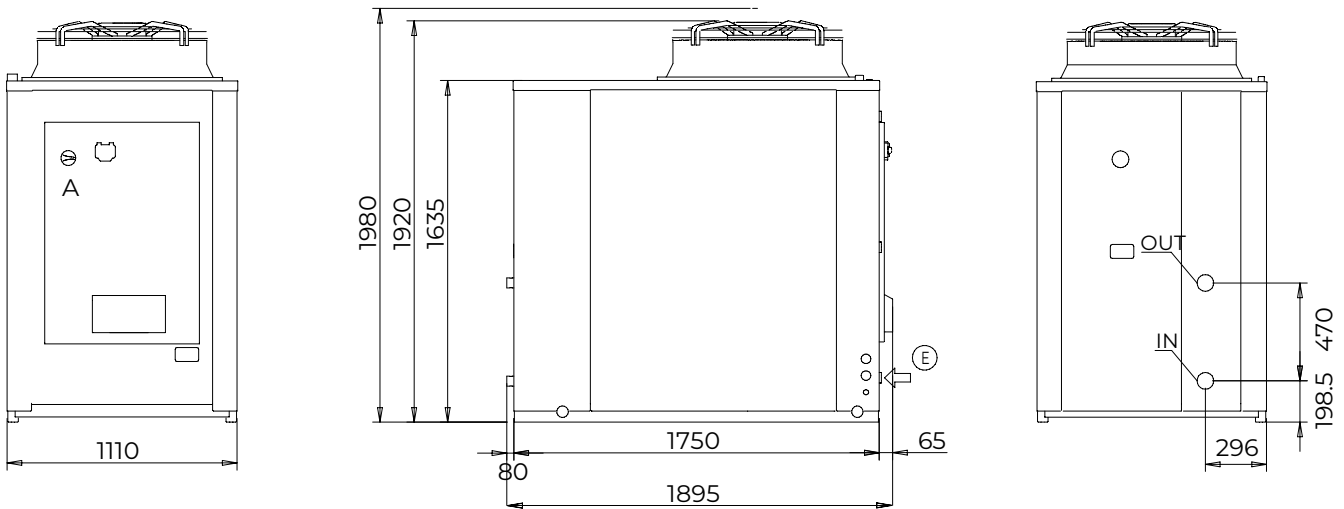


Features & specification

- Free commissioning
- Monobloc air source heat pump
- High temp up to 75°C
- Quiet noise level as low as 82dB(A)**
- Single unit with the refrigeration cycle contained within the outdoor unit
- Inverter controlled compressor to accurately match the heat demand
- Ultra-low global warming potential of 3 due to the use of R290 natural refrigerant
- Integral control unit included
- Highly efficient with coefficient of performance (COP) rating up to 4.2
- Suited to larger installations - cascade systems to achieve higher output
- 2 year warranty (extended to 5 years if commissioned by Ideal Heating)
- Combine with Ideal industry market leading boilers for a hybrid heating system



We are committed to delivering the highest level of customer service. With more than 100 years' experience in the heating industry, we know how important confidence and trust are to our customers.



E - Electrical connection

Installation clearances 40kW & 50kW:

FRONT	REAR	LEFT	RIGHT	TOP	BOTTOM
1500	1500	1200	1000	1500	50

Side clearance of 2200mm when used in cascade.
 The outdoor unit must be raised by at least 50mm from the ground.
 All measurements in mm unless otherwise stated.

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TECHNICAL SPECIFICATIONS



GENERAL

		40kW	50kW
Heat Pump Space Heating [35°C]	ErP rating	A++	A++
	SCOP	4.09	4.2
Heat Pump Space Heating [55°C]	ErP rating	A++	A++
	SCOP	3.83	3.91
Heating (A7/W35)	Capacity (kW)	40.1	50
	Power Input (kW)	13.1	16.5
	COP***	4.1	4.2
Maximum Flow Temperature	Max (°C)	75	75
Air Temperature Range	Min/Max (°C)	(-20 +40)	(-20 +40)
Sound Data Outdoor Unit	Power Level dB(A)**	82	83
	Pressure Level at 1m dB(A)#	64	65
Pipework Connection Sizes	Heating Flow (")	1 1/2	1 1/2
	Heating Return (")	1 1/2	1 1/2
Minimum Water Volume	Litres (l)	365	415
	Width (mm)	1895	1895
Dimensions Outdoor Unit	Depth (mm)	1110	1110
	Height (mm)	1980	1980
Weight	kg	535	550
	Electrical Supply (v)	400	400
Electrical Data	Phase	Three	Three
	Max Running Current (Amp)	38	45
	Fuse Rating (Amp)	50	63
Refrigerant Charge	R290 (kg)	3.15	3.5
GWP (Global Warming Potential)		3	3

ACCESSORIES AND OPTIONS

	Included	Optional
Integral controller	✓	
Flexible hoses		✓
Anti-vibration rubber feet		✓
Exogel antifreeze kit		✓

Terms and conditions apply.

* 2 year warranty extended to 5 years if commissioned by Ideal Heating. ** 82dB(A) is the rated sound power level of the Ecomod 290HT 40kW, the sound levels refer to a fully loaded unit at standard nominal conditions according to EN 12102:2022. #Sound pressure: value calculated from the sound power level in condition (9) using the standard UNI EN ISO 3744:2010. *** Efficiency Coefficient of Performance (COP) rated at EN14825 test conditions Water 35°C, Air 7°C.

ECOMOD 290HT models all represent the output at Air 7°C & Water 35°C.

Every effort has been taken to ensure the details are accurate. Ideal Heating does not, however, guarantee the accuracy or completeness of any information nor does it accept liability for any errors or omissions in the information. Ideal Heating reserves the right to make changes and improvements which may necessitate alteration to product specification without prior notice.



Sales:

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Calls cost no more than calls to geographic numbers (01 or 02) and will be included in any inclusive minutes you have with your telephone service provider.

Technical Help:

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