

Technical submittal



Products: Tyneham 290HT heat pump 65kW

Project:

Customer:

Date:

- > Monobloc commercial air source heat pump
- > High flow temperature, perfect for DHW production
- > Quiet noise level as low as 86.4dB(A)**
- > Single unit with the refrigeration cycle contained within the outdoor unit
- > Ultra-low global warming potential of 3 due to the use of R290 natural refrigerant
- > Integral control unit included, optional control units are available for cascade and where no BMS is present.
- > Highly efficient with coefficient of performance (COP) rating up to 4.6***
- > Combine with Hamworthy modular boilers for a hybrid heating system
- > Suited to larger installations - cascade systems to achieve higher output
- > 2 year warranty, extended to 5 years if commissioned by Hamworthy*

	Technical specification	Unit	65kW
ENERGY	Heat pump space heating [35°C]	ErP rating	A++
		SCOP	4.08
	Heat pump space heating [55°C]	ErP rating	A++
		SCOP	3.32
	Refrigerant	–	R290
	Refrigerant charge	R290 (kg)	4.35
HEATING	Global warming potential	GWP	3
	Heating (A7/W35)	Capacity (kW)	63.9
		Power input (kW)	13.9
		COP***	4.6
	Maximum flow temperature	Max (°C)	70
	Air temperature range	Min/Max (°C)	(-20 +40)
SOUND	Sound data outdoor unit	Power level dB(A)**	86.4
		Pressure level at 1m dB(A) ¹	78.4
CONNECTIONS & WATER	Pipework connection sizes	Heating flow (")	2
		Heating return (")	2
	Minimum water volume	Litres (l)	850
DIMENSIONS	Dimensions outdoor unit	Width (mm)	2300
		Depth (mm)	1206
		Height (mm)	1496
	Weight	kg	770
	Electrical data	Electrical supply (v)	400
		Phase	Three
		Max running current (Amp)	70
		Fuse rating (Amp)	75

Note: Tyneham 290HT 65kW heat pump shown



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*2 year warranty extended to 5 years if commissioned by Hamworthy Heating. **86.4dB(A) is the rated sound power level of the Tyneham 290HT 65kW, the sound levels refer to a fully loaded unit at standard nominal conditions according to EN 12102:2022. ¹ Sound pressure value calculated using the standard UNI EN ISO 3744:2010. ***Efficiency Coefficient of Performance (COP) rated at EN14825 test conditions Water 35°C, Air 7°C. Every effort has been taken to ensure the details are accurate. Hamworthy 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. Hamworthy Heating reserves the right to make changes and improvements which may necessitate alteration to product specification without prior notice.



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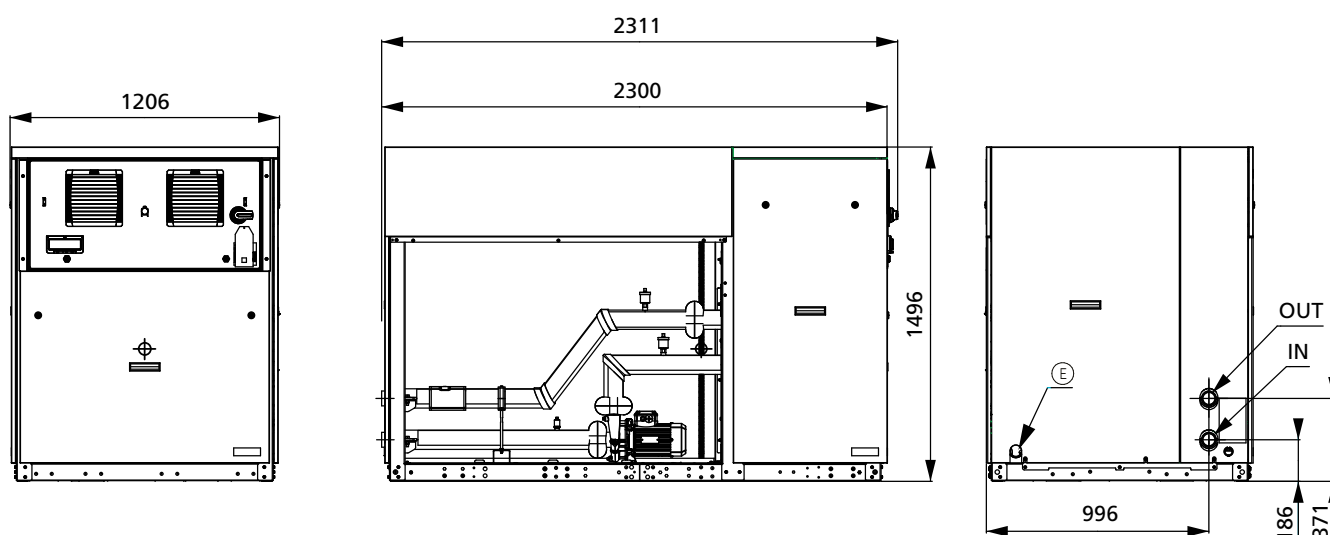
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Dimensions



E = electrical connection

Note: All dimensions in mm unless otherwise stated.

Minimum installation clearances:

Front: 1000

Rear: 800

Left: 800

Right: 1000

Top: N/A

Bottom: 50

Side clearance of 1500mm when used in cascade.

The outdoor unit must be raised by at least 50mm from the ground.

Accessories and options:

	Included	Optional
Integral controller ^{††}	•	
Flexible hoses		•
Anti-vibration rubber feet		•
Exogel antifreeze kit		•
Side grille guard	•	

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^{††}Optional control units are available for cascade, and where no BMS is present.