

# Technical submittal

Products: **Tyneham Heat Pump 14 & 18kW**

Project:

Customer:

Date:

- ⊙ Monobloc air source heat pump
- ⊙ Single unit with the refrigeration cycle contained within the outdoor unit
- ⊙ Inverter controlled compressor to accurately match the heat demand
- ⊙ Low global warming potential due to the use of R32 refrigerant
- ⊙ Highly efficient with coefficient of performance (COP) rating up to 4.85
- ⊙ Light and compact unit for ease of installation and delivery
- ⊙ Suited to larger installations – cascade systems to achieve higher output
- ⊙ 2-year warranty (extended to 5 years if commissioned by Hamworthy)\*
- ⊙ Gold Fin anti-corrosion coating as standard
- ⊙ Back up and long-term support from our team of experienced engineers across the UK
- ⊙ Combine with Hamworthy modular boilers for a hybrid heating system

Technical Specification	Unit	14kW 1PH	14kW 3PH	18kW
Heat Pump Space Heating [35°C]	ErP rating	A+++	A+++	A+++
	SCOP	4.48	4.48	4.46
Heat Pump Space Heating [55°C]	ErP rating	A++	A++	A++
	SCOP	3.31	3.31	3.36
Heating (A7/W35)	Capacity (kW)	14.1	14.1	17.9
	Power Input (kW)	2.91	2.91	4.07
	COP***	4.85	4.85	4.4
Air Temperature Range	Min/Max (°C)	(-20 +40)	(-20 +40)	(-20 +40)
Sound Data Outdoor Unit	Power Level dB(A)**	68	68	68
Pipework Connection Sizes	Heating Flow (")	1	1	1
	Heating Return (")	1	1	1
Dimensions Outdoor Unit	Width (mm)	1044	1044	1044
	Depth (mm)	455	455	455
	Height (mm)	1409	1409	1409
Weight	kg	121	136	141
Electrical Data	Electrical Supply (v)	240	415	415
	Phase	Single	Three	Three
	Max Running Current (Amp)	29.2	9.7	12.2
	Fuse Rating (Amp)	32	25	25
Refrigerant Charge	R32 (kg)	3.2	3.2	3.5



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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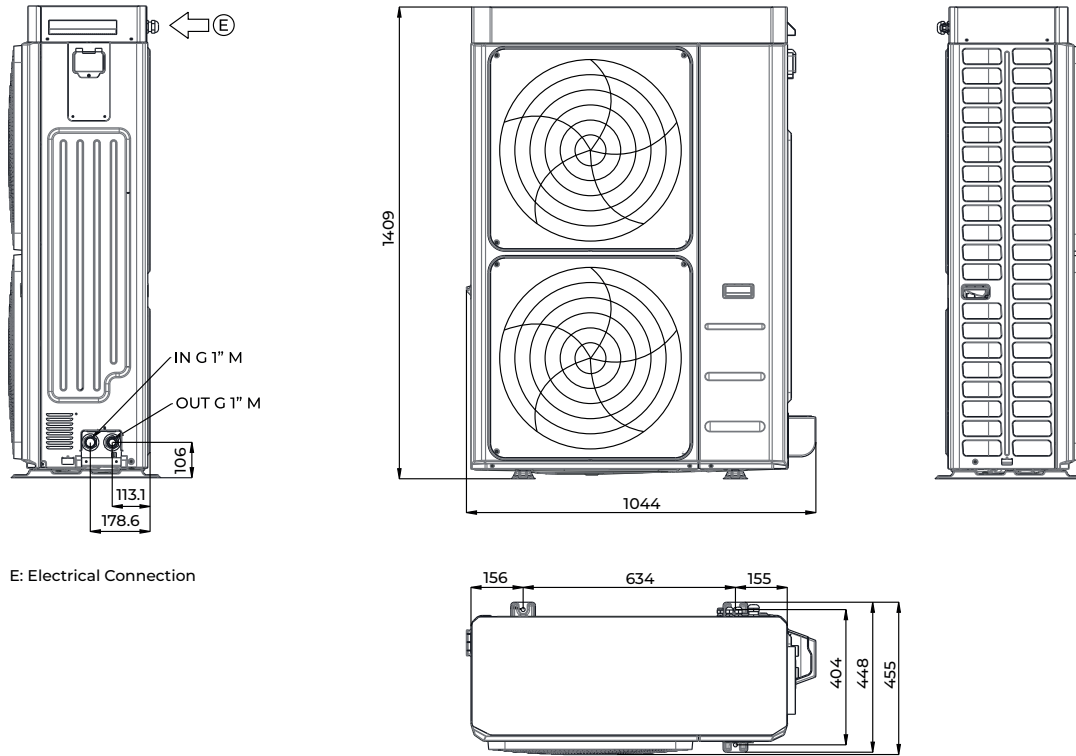
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## Dimensions



E: Electrical Connection

**Note:** All dimensions in mm unless otherwise stated.

## Minimum Installation clearances:

**Front:** 1500

**Rear:** 400

**Left:** 400

**Right:** 500

**Top:** 500

**Bottom:** 50

Side clearance of 1000mm when used in cascade

## Accessories and options:

	Required	Optional
Control unit (sold separately)*		•
Flexible hoses		•
Anti-vibration rubber feet		•
Anti-corrosion coating for installations close to the sea (special order)		•

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\*Optional control units are available for cascade and additional heating circuits, and where no BMS is present.