

# Technical submittal

Products: **Tyneham Heat Pump 50 & 70kW**

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 4.11
- ⊙ 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)\*
- ⊙ Blue 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	50kW	70kW
Heat Pump Space Heating [35°C]	ErP rating	A++	A++
	SCOP	4.16	3.94
Heat Pump Space Heating [55°C]	ErP rating	A+	A+
	SCOP	3.08	3.04
Heating (A7/W35)	Capacity (kW)	50.2	66.8
	Power Input (kW)	12.2	16.3
	COP***	4.11	4.1
Air Temperature Range	Min/Max (°C)	(-20 +40)	(-20 +40)
Sound Data Outdoor Unit	Power Level dB(A)**	82	83
Pipework Connection Sizes	Heating Flow (")	1 1/2	1 1/2
	Heating Return (")	1 1/2	1 1/2
Dimensions Outdoor Unit	Width (mm)	1920	1920
	Depth (mm)	1110	1110
	Height (mm)	1920	1920
Weight	kg	535	595
Electrical Data	Electrical Supply (v)	415	415
	Phase	Three	Three
	Max Running Current (Amp)	54	70
	Fuse Rating (Amp)	63	100
Refrigerant Charge	R32 (kg)	8.5	12





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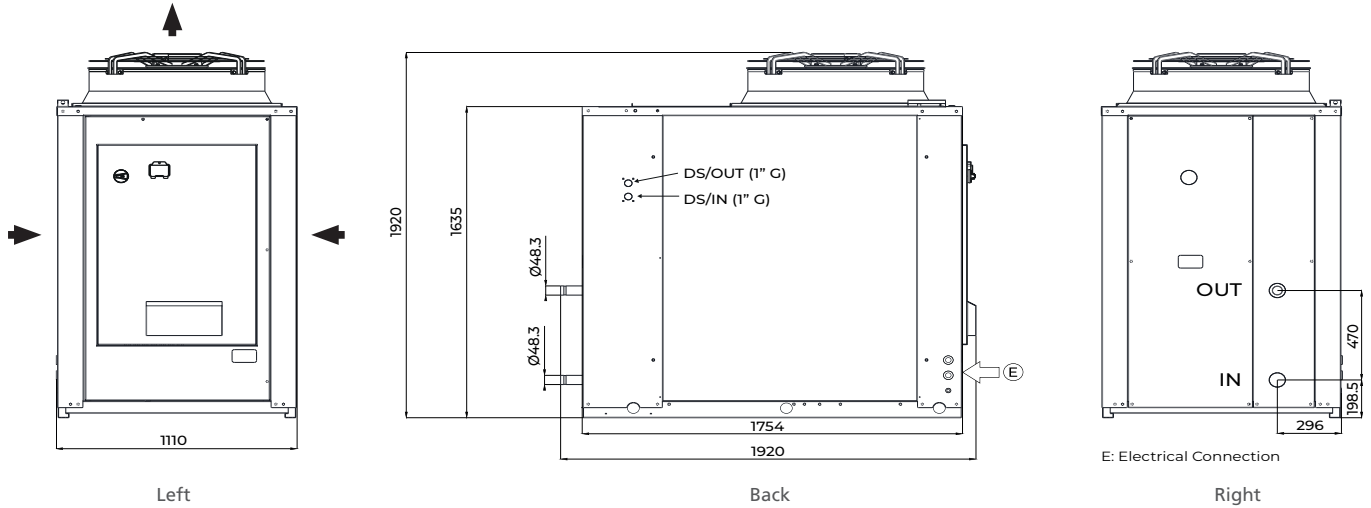
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## Dimensions



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

## Minimum Installation clearances:

**Front:** 1500

**Rear:** 1500

**Left:** 1200

**Right:** 1000

**Top:** 1500

**Bottom:** 50

Side clearance of 2200mm 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)		•