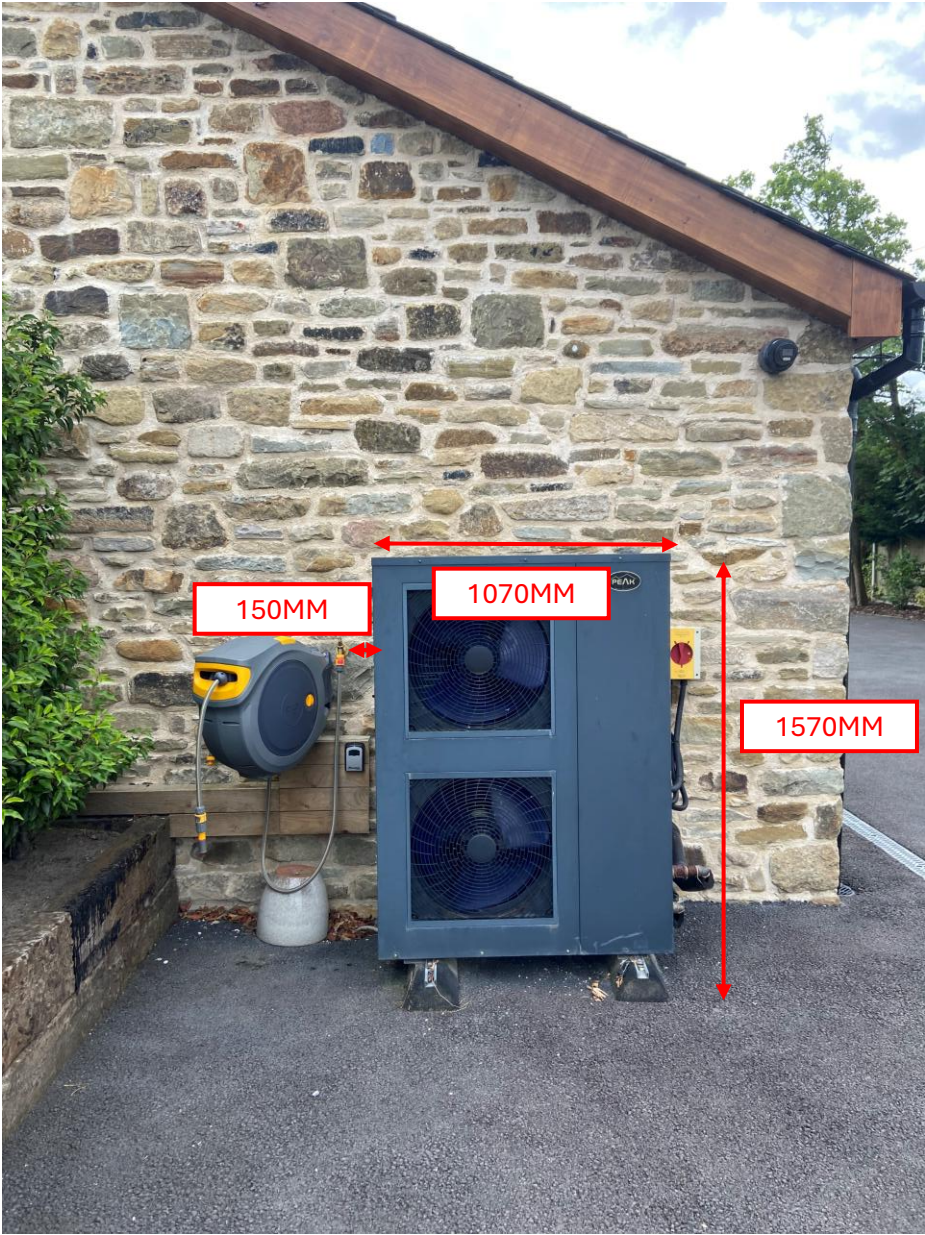
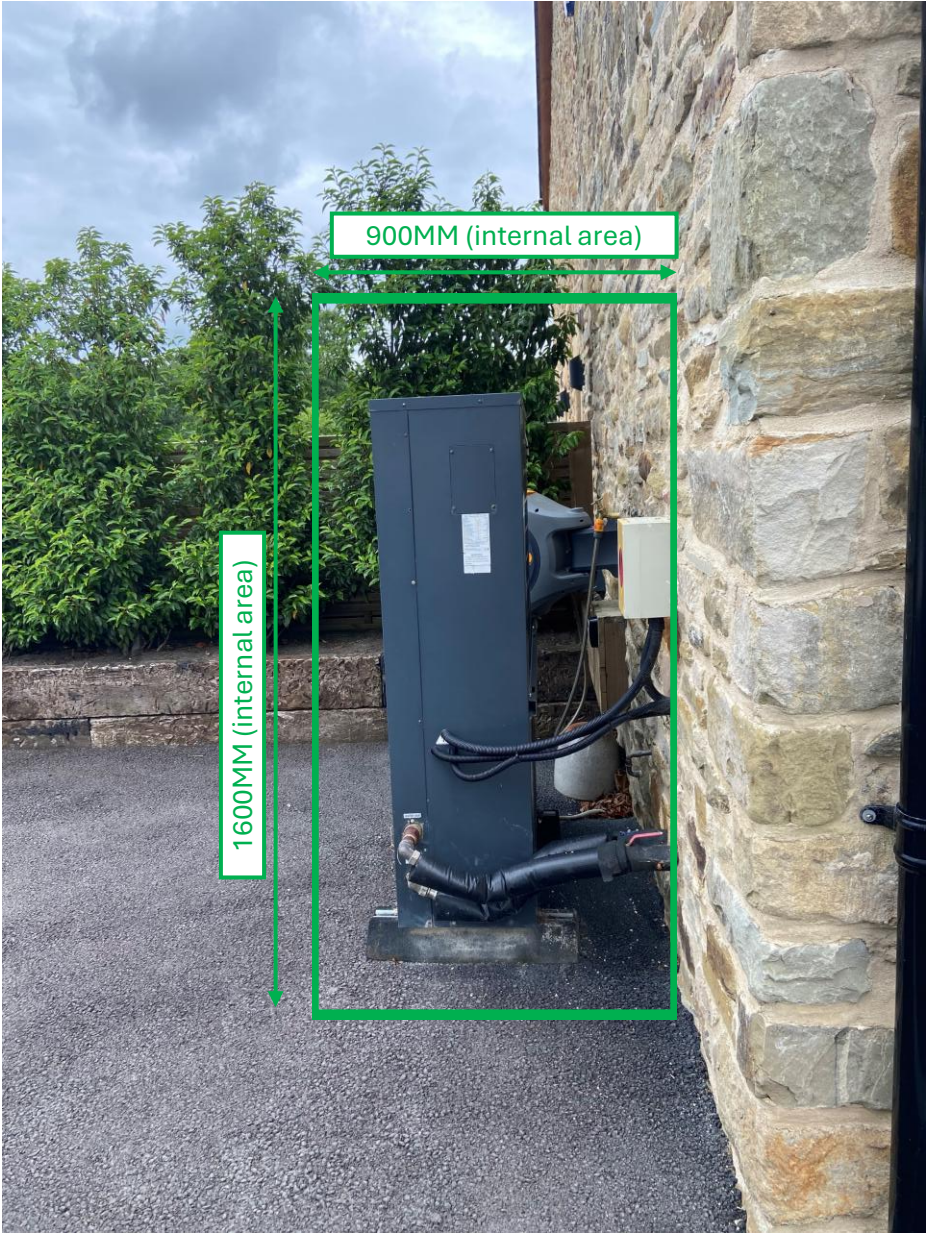
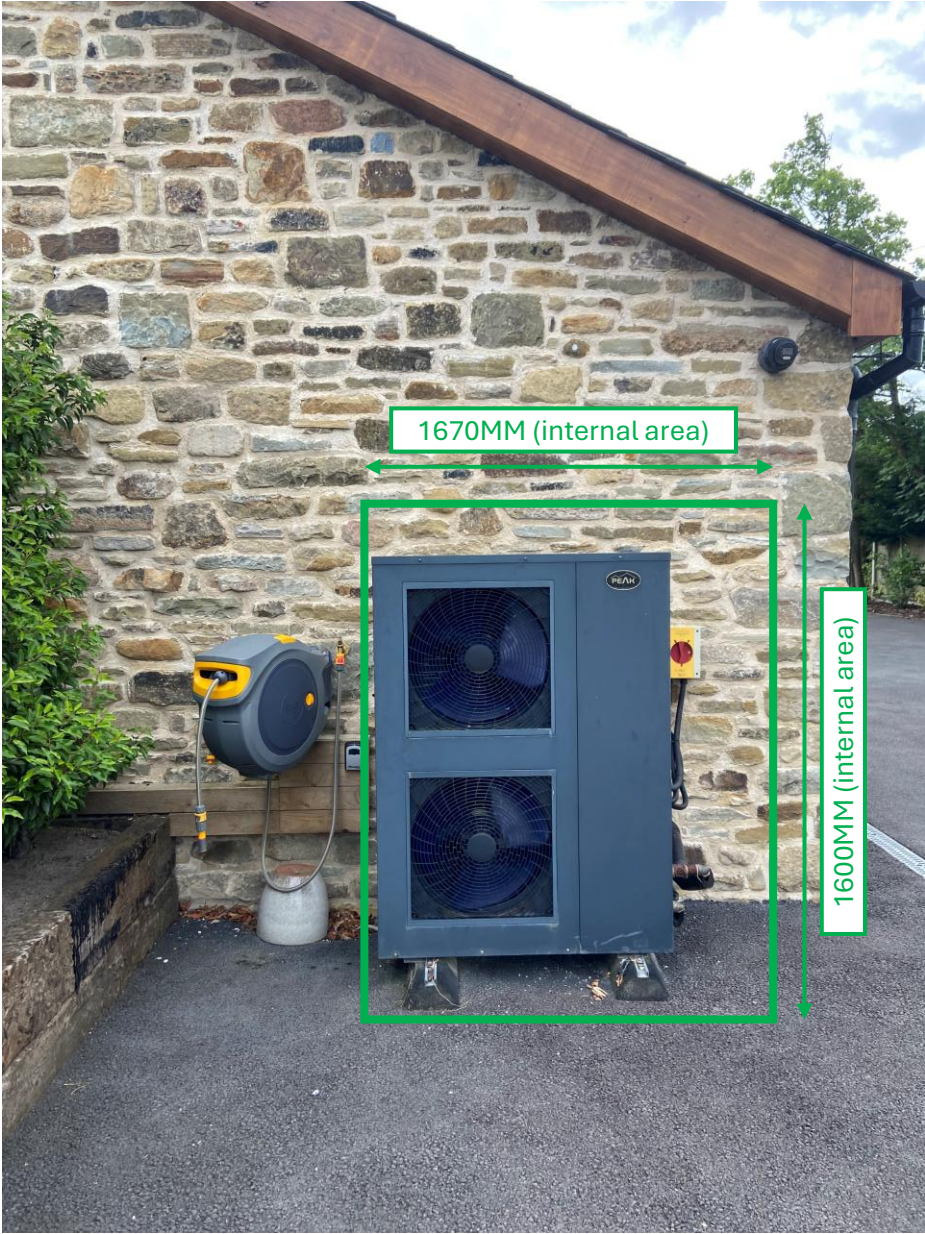




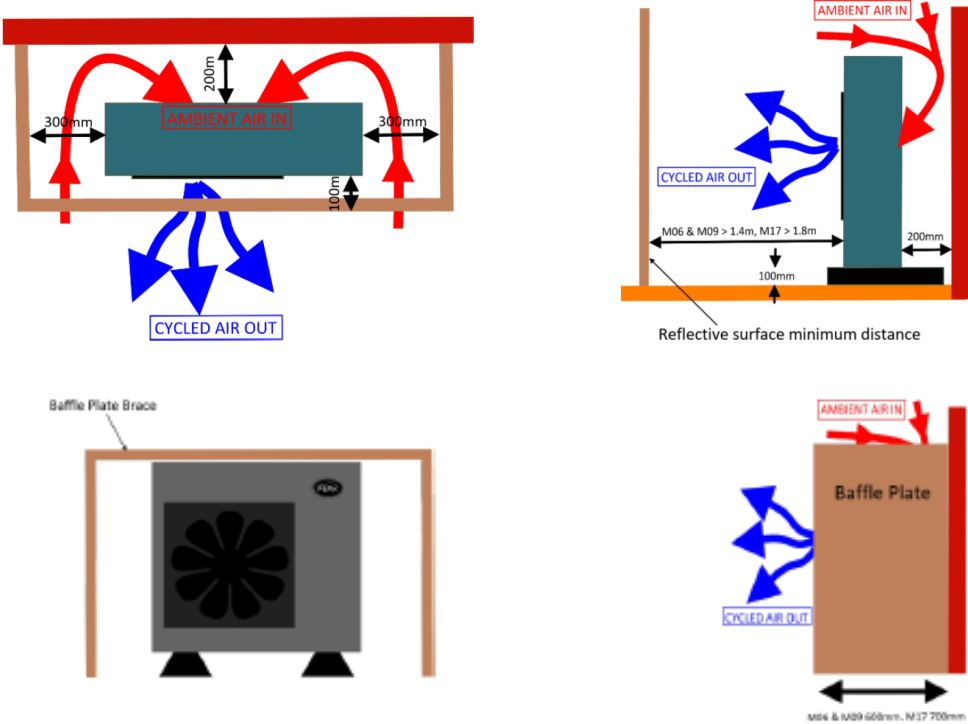


(PEAK PEP-M17 Monobloc ASHP, 250L 1 zone Plug & Play DHW System).

Outdoor Unit - Dimensions

Outdoor unit			6kW	9kW	17kW
Dimensions	Height	mm	860	905	1470
	Width	mm	860	965	1070
	Depth	mm	340	365	405
Weight		KG	80	95	153

Outdoor Unit - Positioning & Air Flow Guide



Monobloc Technical Specification

Product Code			PEP- M06	PEP- M09	PEP- M17
Heating Capacity*			6.4kW	9kW	17.4kW
Power supply voltage/frequency			220-240v 50Hz	220-240v 50Hz	220-240v 50Hz
Nominal input*	Heating	kW	1.33	1.99	3.76
Max Current (Heat Pump + Electric Back up Heater)		amp	32	32	50
SCOP @ 35°C (Low Temp with Electric Back up Heater on)			3.77	3.55	3.37
SCOP @ 55°C (High Temp with Electric Back up Heater on)			3.15	3.00	2.99
COP*			4.80	4.52	4.53
SSHEE @ 35°C (Seasonal Space Heating Energy Efficiency)		η s	145%	139%	141%
DHW annual energy usage**	DHW	kWh	1017	1082	1104
Sound power level (Outdoor / Indoor)		dBA	63 / 00	61 / 00	70 / 00
Sound pressure level		dBA	48	50	53
Monobloc heating water volume		L	12	18	30
Water flow rates		m³/h	1.12	1.5	2.95
Outdoor temperature range	Min.	°C	-15	-15	-15
	Max	°C	43	43	43
Max water flow temp		°C	60	60	60
Heat Pump		amp	13amp	13amp	13amp
Electrical heaters		kW/A	3kW / 13amp	3kW / 13amp	3.5kW / 15.5amp
Refrigerant type			R410a	R410a	R410a
Refrigerant quantity	outdoor unit	kg	1.35kg	1.96kg	3.85kg
Compressor	Water Pipe		Toshiba - inverter	Hitachi - inverter	Mitsubishi - inverter
Water pressure drop		bar	0.18	0.20	0.34

Ribble valley council Requirments (Planning)

Within one month of the date of this permission, the approved Acoustic Fencing' shall be installed adjacent to the Air Source Heat Pump in accordance with drawing ref: 'A1.2.1 Revision D and A2.2 Revision D' and shall thereafter be retained in perpetuity for the lifetime of the development.

REASON: To ensure the noise levels resulting from the installed Air Source Heat Pump are satisfactory, in accordance with Policy DMG1 of the Ribble Valley Core Strategy.

POLICY DMG1: GENERAL CONSIDERATIONS

10.4 IN DETERMINING PLANNING APPLICATIONS, ALL DEVELOPMENT MUST:

DESIGN

- 1. BE OF A HIGH STANDARD OF BUILDING DESIGN WHICH CONSIDERS THE 8 BUILDING IN CONTEXT PRINCIPLES (FROM THE CABE/ENGLISH HERITAGE BUILDING ON CONTEXT TOOLKIT.
- 2. BE SYMPATHETIC TO EXISTING AND PROPOSED LAND USES IN TERMS OF ITS SIZE, INTENSITY AND NATURE AS WELL AS SCALE, MASSING, STYLE, FEATURES AND BUILDING MATERIALS.
- 3. CONSIDER THE DENSITY, LAYOUT AND RELATIONSHIP BETWEEN BUILDINGS, WHICH IS OF MAJOR IMPORTANCE. PARTICULAR EMPHASIS WILL BE PLACED ON VISUAL APPEARANCE AND THE RELATIONSHIP TO SURROUNDINGS, INCLUDING IMPACT ON LANDSCAPE CHARACTER, AS WELL AS THE EFFECTS OF DEVELOPMENT ON EXISTING AMENITIES.
- 4. USE SUSTAINABLE CONSTRUCTION TECHNIQUES WHERE POSSIBLE AND PROVIDE EVIDENCE THAT ENERGY EFFICIENCY, AS DESCRIBED WITHIN POLICY DME5, HAS BEEN INCORPORATED INTO SCHEMES WHERE POSSIBLE.
- 5. THE CODE FOR SUSTAINABLE HOMES AND LIFETIME HOMES, OR ANY SUBSEQUENT NATIONALLY RECOGNISED EQUIVALENT STANDARDS, SHOULD BE INCORPORATED INTO SCHEMES.

ACCESS

- 1. CONSIDER THE POTENTIAL TRAFFIC AND CAR PARKING IMPLICATIONS.
- 2. ENSURE SAFE ACCESS CAN BE PROVIDED WHICH IS SUITABLE TO ACCOMMODATE THE SCALE AND TYPE OF TRAFFIC LIKELY TO BE GENERATED.

- 3. CONSIDER THE PROTECTION AND ENHANCEMENT OF PUBLIC RIGHTS OF WAY AND ACCESS.

AMENITY

- 1. NOT ADVERSELY AFFECT THE AMENITIES OF THE SURROUNDING AREA.
- 2. PROVIDE ADEQUATE DAY LIGHTING AND PRIVACY DISTANCES.
- 3. HAVE REGARD TO PUBLIC SAFETY AND SECURED BY DESIGN PRINCIPLES.
- 4. CONSIDER AIR QUALITY AND MITIGATE ADVERSE IMPACTS WHERE POSSIBLE.

ENVIRONMENT

- 1. CONSIDER THE ENVIRONMENTAL IMPLICATIONS SUCH AS SSSIS, COUNTY HERITAGE SITES, LOCAL NATURE RESERVES, BIODIVERSITY ACTION PLAN (BAP) HABITATS AND SPECIES, SPECIAL AREAS OF CONSERVATION AND SPECIAL PROTECTED AREAS, PROTECTED SPECIES, GREEN CORRIDORS AND OTHER SITES OF NATURE CONSERVATION.
- 2. WITH REGARDS TO POSSIBLE EFFECTS UPON THE NATURAL ENVIRONMENT, THE COUNCIL PROPOSE THAT THE PRINCIPLES OF THE MITIGATION HIERARCHY BE FOLLOWED. THIS GIVES SEQUENTIAL PREFERENCE TO THE FOLLOWING: 1) ENHANCE THE ENVIRONMENT 2) AVOID THE IMPACT 3) MINIMISE THE IMPACT 4) RESTORE THE DAMAGE 5) COMPENSATE FOR THE DAMAGE 6) OFFSET THE DAMAGE.
- 3. ALL DEVELOPMENT MUST PROTECT AND ENHANCE HERITAGE ASSETS AND THEIR SETTINGS.
- 4. ALL NEW DEVELOPMENT PROPOSALS WILL BE REQUIRED TO TAKE INTO ACCOUNT THE RISKS ARISING FROM FORMER COAL MINING AND, WHERE NECESSARY, INCORPORATE SUITABLE MITIGATION MEASURES TO ADDRESS THEM.
- 5. ACHIEVE EFFICIENT LAND USE AND THE REUSE AND REMEDIATION OF PREVIOUSLY DEVELOPED SITES WHERE POSSIBLE. PREVIOUSLY DEVELOPED SITES SHOULD ALWAYS BE USED INSTEAD OF GREENFIELD SITES WHERE POSSIBLE

