Updated November 2022

Mitsubishi ASHP base

This document covers these size heat pumps – 5kW / 6kW / 8.5kW / 11.2kW / 14kW

Link to Mitsubishi Ecodan website - click here. Please note, the 14kW Ecodan total height is 1450 mm including the anti-vibration feet.

For the base you can have two pillars with shingle in the middle for the condense to run into or a solid base with a drain nearby for the condense.

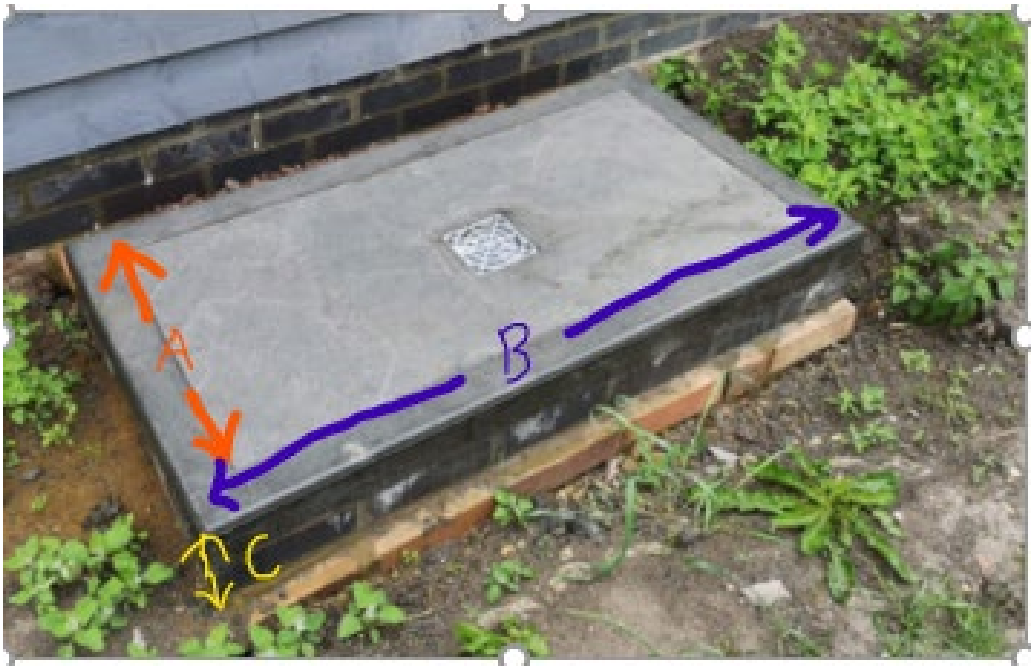
Please start the base 200mm from the exterior surface of the building – allow for final finishing/cladding.

Please ensure a drain is provided for the condense to run into. Either in the centre or one of the back corners.

Solid base (see picture)

A - 600mm (if there is room for an additional 30mm that is ideal)
B - 1000 mm
C – 200mm

The anti-vibration feet that the ASHP will sit on are 600mm long, the base needs to be at least this deep (A) to accommodate them.



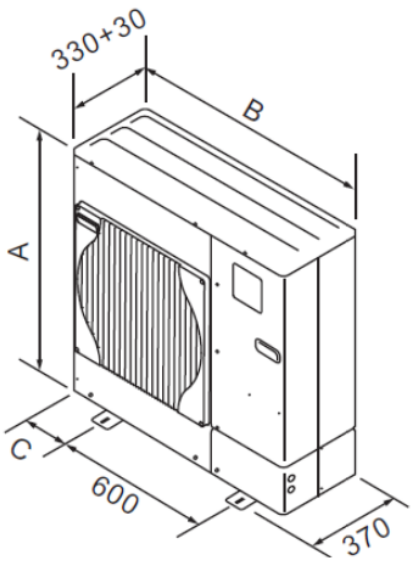


Fig. 2-1

Models	A (mm)	B (mm)	C (mm)
50	740	950	175
85	943	950	175
112	1350	1020	210
140	1350	1020	210

All ASHP's sit on a set of anti-vibration feet. These are 100mm high and this height needs to be added to the above figure (A).

Feet dimensions - 600(L) x 185(W) x 100(H)mm

Example of the feet:

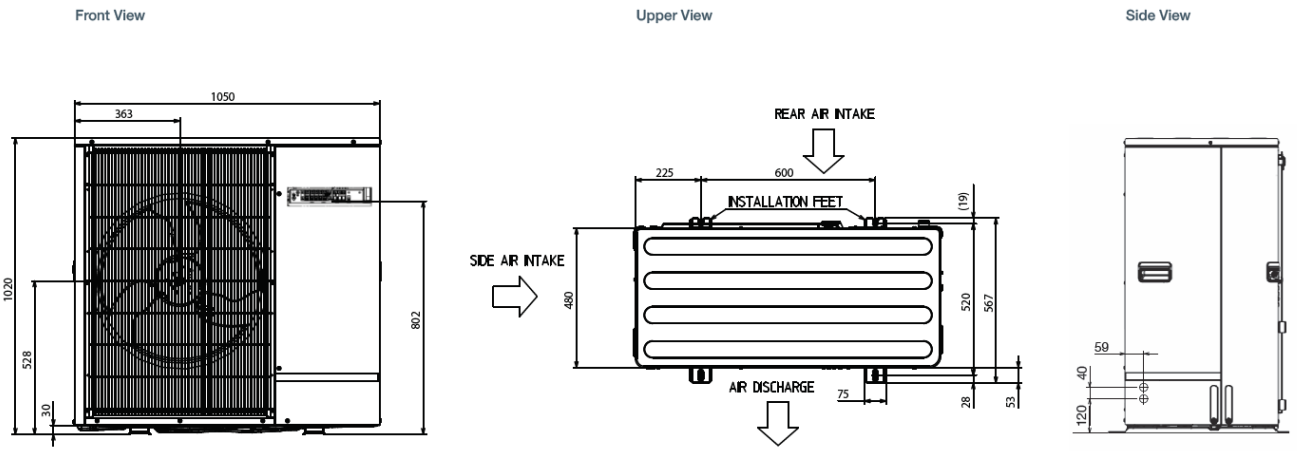
APPLICABLE TO SINGLE PHASE ONLY

6kW/8.5kW/11.2kW Mitsubishi Ecodan – Monobloc Standalone Air Source Heat Pump

Link to Mitsubishi Ecodan 6/8.5/11.2 - click here.

All ASHP's sit on a set of anti-vibration feet. These are 100mm high and this height needs to be added to the above figure (1020).

Product Dimensions PUZ-WM60/85/112VAA(-BS)



Multiple ASHP Units

A minimum of 500mm is needed between the units

Updated JUNE 2022

APPLICABLE TO SINGLE PHASE ONLY

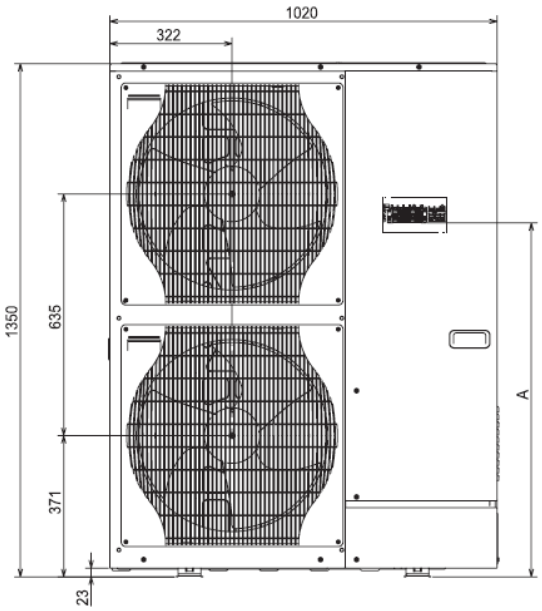
14kW Mitsubishi Ecodan – Monobloc Standalone Air Source Heat Pump

Link to Mitsubishi Ecodan 14kW R410A -click here.

Link to Mitsubishi Ecodan 14kW - R32 -click here.

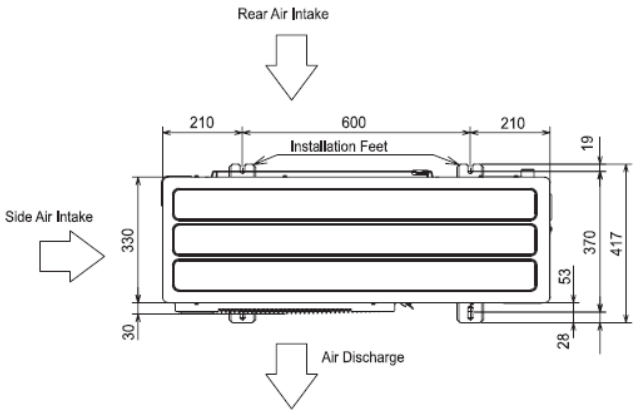
Product Dimensions PU(H)Z-HW(M)140VHA(2)/YHA(2)(-BS)

Front View



	A
VHA	1079
YHA	931

Upper View



All ASHP's sit on a set of anti-vibration feet. These are 100mm high and this height needs to be added to the above figure (1350).

Multiple ASHP Units

A minimum of 600mm is needed between the units

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APPLICABLE TO SINGLE PHASE ONLY

Mitsubishi ASHP 1st Fix Wiring Requirements

Plant room size to be discussed and approved prior to any building works

This has been created as a checklist for you to work through. We will require all points to be completed before we can second fix (install) the ASHP/Cylinder heating/controls.

ASHP

- 14kw requires 40 amps 11.2 and 8.5 requires 32 and 5/6 can be 16 supply **per heat pump** left on an isolator (see picture below) – to be fitted by onsite electrician - to the ASHP on a **type C breaker** - If Eco install these it will be an additional charge of £100 + VAT
- 1x 1.5mm 3c+E cable from each ASHP to plant room

Controls

- ASHP controller will need a 1mm 2c Cable from the FTC to a mid position if the thermostat is to be remote to the plant room

Cylinder Immersion – TO BE LEFT ON FUSED SPUR

- 1x 16a supply for immersion in plant room for cylinder immersion

Under floor heating manifold:

- 1x 20a supply in plant room for heating controls – TO BE LEFT ON FUSED SPUR
- 1x 1.0mm 5c cable from each UFH manifold to the plant room (if not located in the plant room)
- If having hard wired thermostats -> 3c + E to each thermostat back to the respective manifold, minimum 32mm back box required – to be fitted by first fix electrician

Radiator zone:

- For radiator circuit– 3c + E from thermostat location to plant room

  Please first fix for one thermostat per floor.

  Room stat to be installed in a suitable position: Example hallway away from radiator + external doors + direct sunlight.

We require test certificates for all first fixed circuits mentioned above before we can book our electrician to do the second fix electrics. This will then ensure that all switches and isolators are fitted prior to our booking. Safety of all our employees and sub-contractors is paramount.

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Example of rotary isolator:

Example of labelled fused spur: