APPLICABLE TO SINGLE PHASE ONLY

Panasonic First Fix Information – Mono

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.

This document covers these size heat pumps:

T-Cap 9/12/16 & High Performance – 7/9/12/16

MODEL NUMBERS

WH-MXC09H3E5	WH-MDC07H3E5
WH-MXC12H6E5	WH-MDC09H3E5
WH-MXC16H9E8	WH-MDC12H6E5
	WH-MDC16H6E5

Link to Panasonic high performance ASHP - click here.

Link to Panasonic T-Cap ASHP (**Mono Bloc**) - click here.

Updated 01.11.24

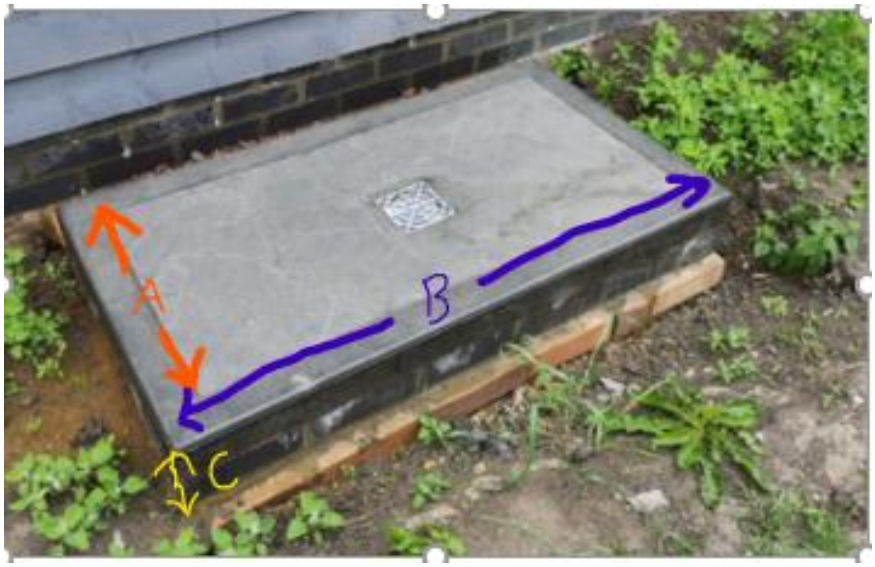
ASHP BASE

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 - B - 1400 mm - C – 200mm



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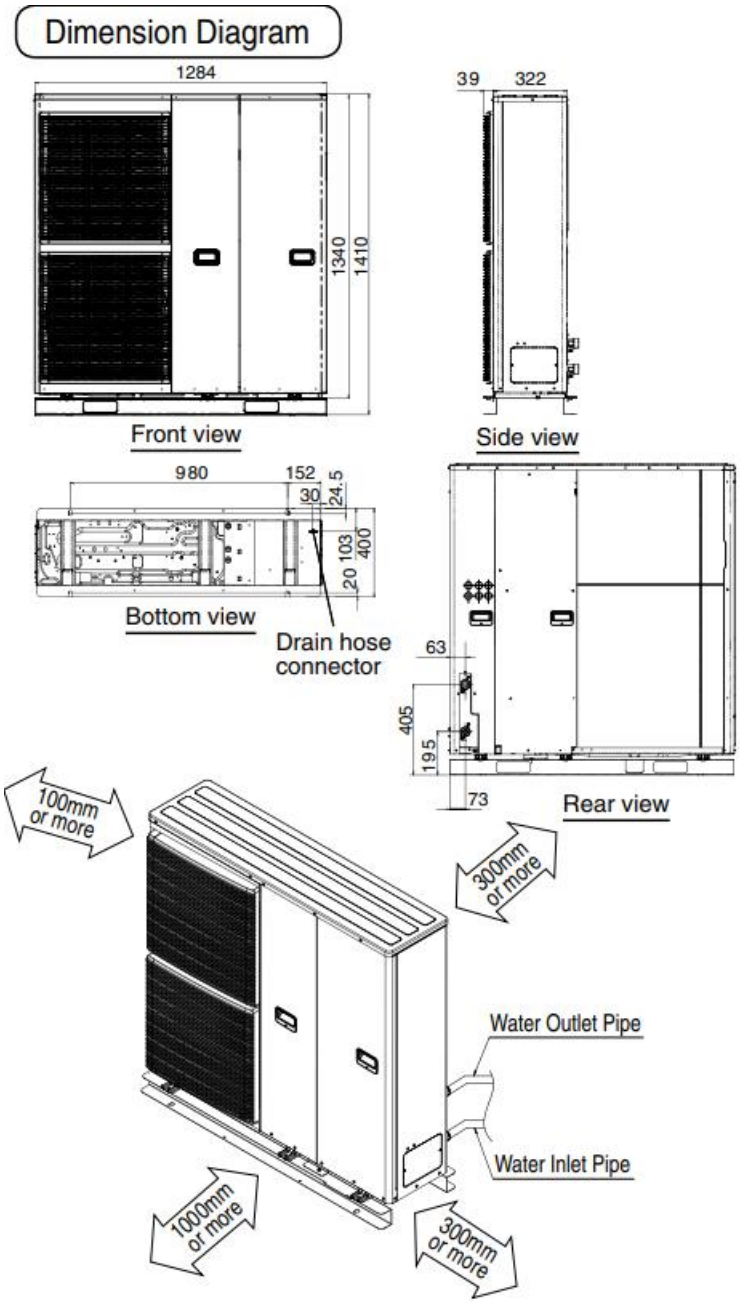
POTENTIAL DIMENSIONS



Updated 01.11.24

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Guide to Panasonic 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 (outside unit)

- 1 x 32A supply per heat pump left on rotary isolators (see example below) – to be fitted by onsite electrician - to the ASHP on a **type C breaker** (RCD 30mA type A). If Eco install these it will be at our prevailing hourly rate + materials.
- 2 x 1.0mm 2c screened (CY) cable from ASHP to plant room for buffer/DHW tank sensor
- 3 x 1.0mm 5c cable (flex) from the ASHP to the plant room – Thermostat/valve/spare.
- cat5 cable for internet connection from router position to the ASHP
- 1 x 1mm 2c screened (CY) cable from ASHP to agreed location for controller

Immersion heaters

- 1x 16a supply per immersion heater (1 in cylinder) – TO BE LEFT ON DOUBLE POLE SWITCH

Under floor heating manifold:

- 1 x 16A supply in plant room for heating controls – TO BE LEFT ON FUSED SPUR
- 1 X 3A supply to each underfloor heating manifold location – TO BE LEFT ON FUSED SPUR
- 1 x 1.0mm 5c cable (flex) from each UFH manifold to the plant room – if not located in the plant room
- If having hard wired thermostats -> 3c + E (flat) to each thermostat back to the respective manifold, minimum 32mm back box required – to be fitted by first fix electrician

Standard Radiator zone:

- For radiator circuit– 3c + E (flat) from thermostat location to plant room, minimum 32mm back box required – to be fitted by first fix electrician
- 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.

Panasonic Fan Radiator zone:

- 2 x 1.0mm 2c screened cable (CY) from ASHP to plant room for temperature sensors
- 3 x 1.0mm 5c cable (Flex) from the ASHP to the plant room – for circulation pumps & mixing valve
  - Thermostat zones to be confirmed once system design has been completed

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.

Example of rotary isolator:

Example of labelled fused spur: