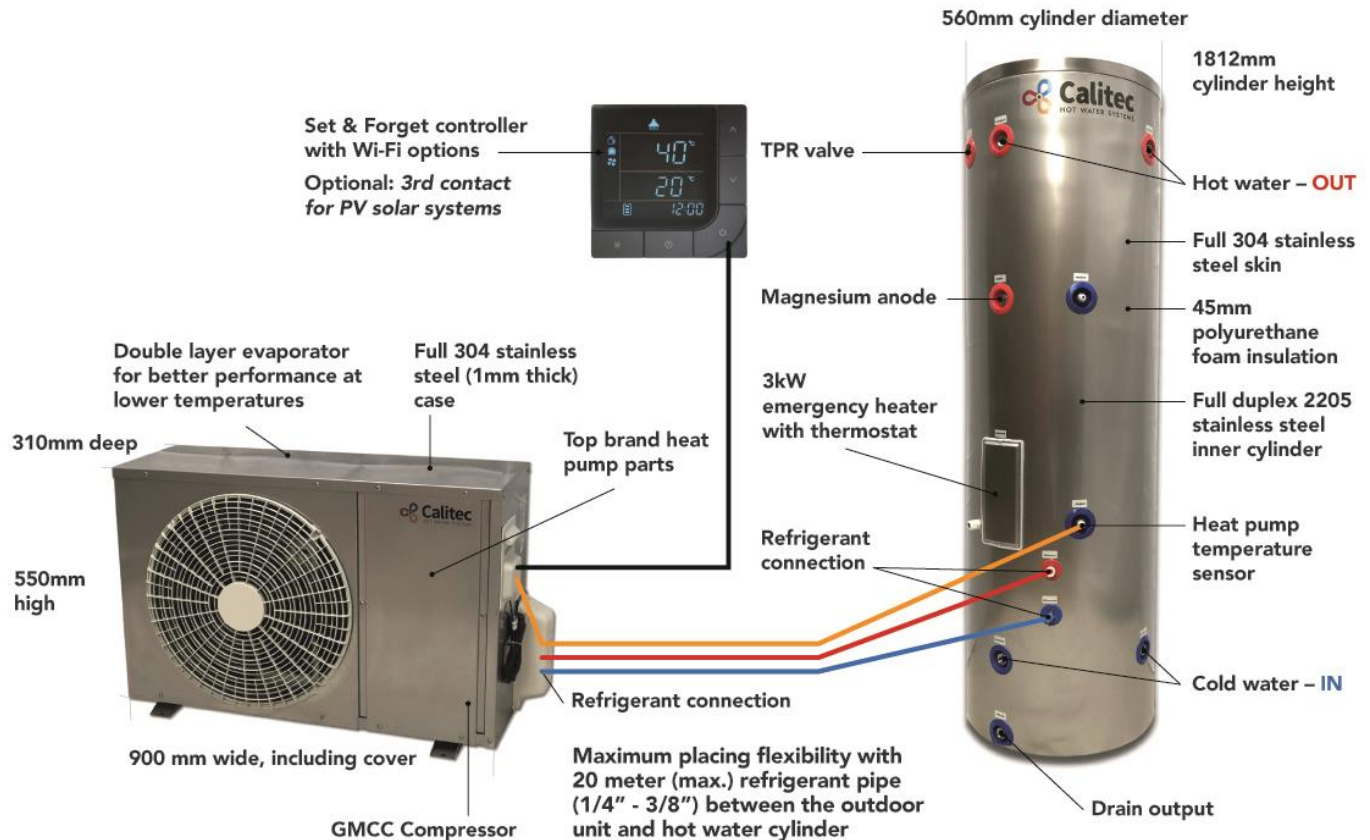


Quick installers guide: Calitec KP-50 (24)



Electrician:

The KP-50 heat pump needs to be installed with a manual isolation switch. The KP-50 has a conduit connector for 25mm flexible conduit.

The max. power is 1.9 kW (8A).

The electric heater of the hot water cylinder needs to be installed with a manual isolation switch – just like a normal hot water cylinder installation. In normal, heat pump operation, the electric heater will be switched off. In case of a heat pump failure the customer can switch the heater ON and call the installer about the heat pump failure.

The electric heater is 3 kW. (12.5 A)

The temperature sensor consist of **two sensors** who run with two 2-core signal wire from the **same sensor pocket** in the hot water cylinder to the KP-50 heat pump. As standard, a 10-meter sensor wire is supplied with the KP-50. The sensor wires can be cut to length. On request we can supply longer cables.

The display / controller is as standard fixed in a weather proof casing on the outdoor unit. We can however supply a wired controller. The standard 4-core signal wire, which connects the controller with the outdoor unit is 10 meters. On request we can supply longer cables. The controller could be wireless connected to the local Wi-Fi network for system controlling by the App. Make sure the controller is in range of the Wi-Fi network.

Heat pump installer:

The refrigerant connection between the hot water cylinder and the outdoor unit is with insulated paired copper pipes 1/4" – 3/8". The maximum pipe length is 20 meters.

The unit is pre-charged for 5 meters pipe length. For every extra meter pipe, 15 grams of R32 must be added.

Plumber:

The Calitec hot water cylinder needs to be installed as a normal hot water cylinder according to the current rules and regulations. All the connections are 3/4". The HWC is supplied with an 850kPa TPR valve. Download the cylinder drawings from our website (www.calitec.nz/drawings) for the exact measurements.