

## Electrician:

The electric heater needs to be installed with a manual isolation switch ( just like any other hot water cylinder). In normal operation of the system it will be switched off. The Heater is 3 kW.

The outdoor unit needs to be connected through an isolation switch ( just like any outdoor heat pump unit) . The max power is 8 A.

The temperature sensor runs with a 2 core cable from the hot water cylinder to the outdoor unit. (Supplied with the outdoor unit. 20 meter).

The controller runs with a 3 core cable to the outdoor unit. The controller can be placed anywhere. But as it is a set and forget system, it doesn't have to be in plain sight. Could be next to the hot water cylinder or next to the fuse board for example. . (Supplied with the outdoor unit. 20 meter)

A new option is a pre-fixed controller on the outdoor unit in a weather proof case.

## 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 unit is pre-charged for 5 meter pipe length. For every extra meter pipe, 10 gram of R32 have to be added.

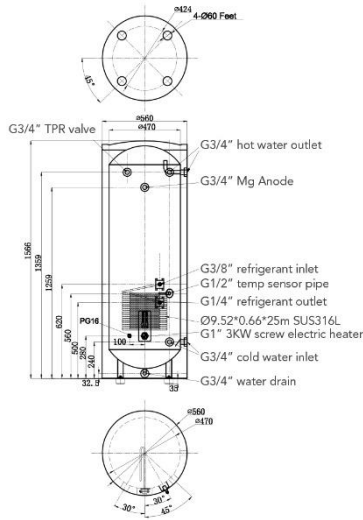
## Plumber:

All connections are 3/4" , there are two cold inlet and two hot outlets for easier installation.

The supplied TPR valve is 850kPa.

For the exact measurements please refer to the matching cylinder drawing. Which you can download on [www.Calitec.nz](http://www.Calitec.nz).

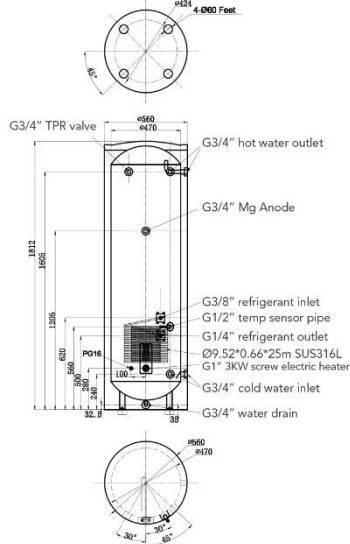
250-L-560-1600-kp-50



**Technical remarks:**

1. Diameter is  $\varnothing$  560mm, height is 1600mm
2. All the connections are female
3. Hot and cold connections are inside piped to top and bottom
4. Inner tank material is Duplex 2205 SS = 1.0mm, Skin is 304 SS = 0.5mm
5. The insulation is 45mm polyurethane

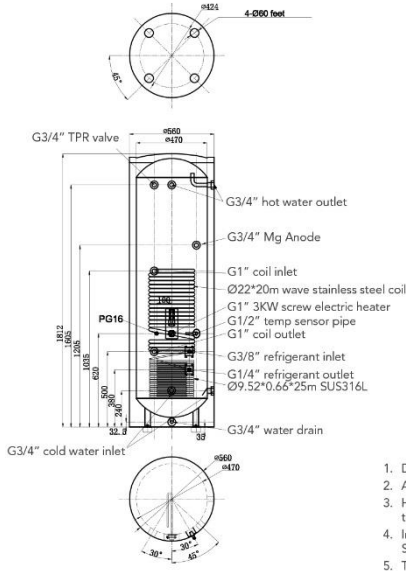
300L-560-1800-kp-50



**Technical remarks:**

1. Diameter is  $\varnothing$  560mm, height is 1800mm
2. All the connections are female
3. Hot and cold connections are inside piped to top and bottom
4. Inner tank material is Duplex 2205 SS = 1.0mm, Skin is 304 SS = 0.5mm
5. The insulation is 45mm polyurethane

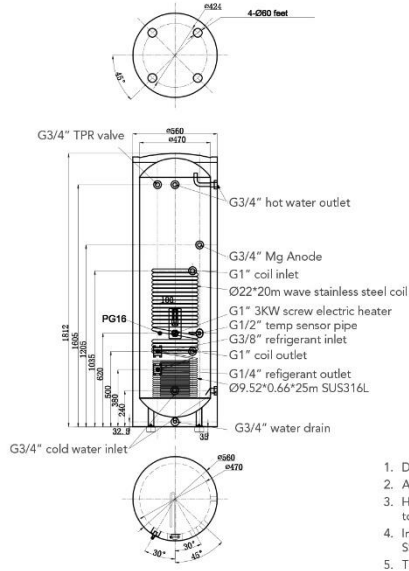
300L-560-1800-kp-50-wet back-left



**Technical remarks:**

1. Diameter is  $\varnothing$  560mm, height is 1800mm
2. All the connections are female
3. Hot and cold connections are inside piped to top and bottom
4. Inner tank material is Duplex 2205 SS = 1.0mm, Skin is 304 SS = 0.5mm
5. The insulation is 45mm polyurethane

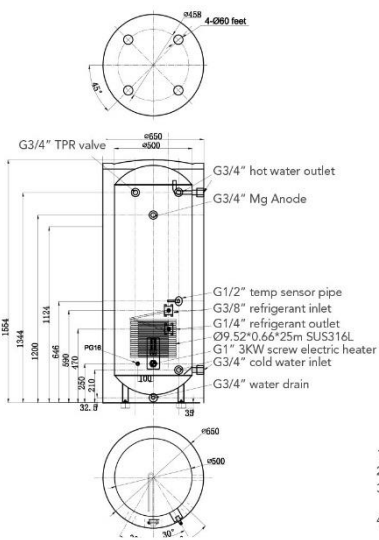
300L-560-1800-kp-50-wet back-right



**Technical remarks:**

1. Diameter is  $\varnothing$  560mm, height is 1800mm
2. All the connections are female
3. Hot and cold connections are inside piped to top and bottom
4. Inner tank material is Duplex 2205 SS = 1.0mm, Skin is 304 SS = 0.5mm
5. The insulation is 45mm polyurethane

300L-650-1600-kp-50



**Technical remarks:**

1. Diameter is  $\varnothing$  650mm, height is 1600mm
2. All the connections are female
3. Hot and cold connections are inside piped to top and bottom
4. Inner tank material is Duplex 2205 SS = 1.0mm, Skin is 304 SS = 0.5mm
5. The insulation is 75mm polyurethane