

# DeLonghi PHD Radiators

## Product Specification

### DeLonghi PHD Radiator Features

- ✓ Output tested to BS EN442
- ✓ 25 year Functional Warranty.
- ✓ Low water content, quicker heat up times.
- ✓ Lightweight for easier installation.
- ✓ Three step high quality paint process for optimum quality.
- ✓ Gloss RAL9016 long lasting painted finish
- ✓ Certified F7 earthquake proof brackets (German VDI6036).
- ✓ Flexibility in installation due to reversible panel.
- ✓ Maximum working pressure 10 Bar.
- ✓ Test pressure 13 Bar.
- ✓ Maximum working temperature 110°C.
- ✓ Factory fitted integrated thermostatic valve allows for pre-setting according to kW which eliminates system balancing.
- ✓ Concealed bottom entry pipe connections

### Product Range

Wide range of sizes available as follows:

Horizontal Radiator Range – 300mm to 900mm high, 400mm to 3000mm long, 62mm – 159mm deep (thick).

Vertical Radiator Range – 1400mm to 2400mm high, 300mm to 900mm long

# Product Specification

Radiators shall be DeLonghi PHD type steel type as per models, sizes and specification supplied by Central Heating New Zealand. *{Include Appendix details for Radiator schedule if applicable}*  
All radiators must be tested under EN442. Radiators to be manufactured from top quality 1.25mm thick DC03 carbon steel. Radiators shall be factory finished with a three coat process including degreasing and zinc phosphating, electroplating and a final epoxy coat finish.

All positions and heights above finished floor level of the radiators are to be confirmed on site before installation. Ensure the main contractor has been engaged when confirming radiator locations to ensure they do not interfere with fixings or furniture. Radiator installation manuals must be reviewed prior to installation to ensure bracket details and pipe positions are confirmed.

The radiators must be supplied with F7 earthquake proof wall brackets ensuring sufficient stability and design. The brackets can be fitted in any position along the length of the radiator, recommend locations for the brackets are 150mm in from each end (for large radiators additional brackets may be required) and the installer must locate adequate fixings are located inside the walls during the pre-pipe stage.

Radiators shall be fitted with the following valves:

- Lock-shield type valve, bottom pipe entry
- Danfoss thermostatic radiator valve with adjustable ring for balancing flow temperatures.
- Rotatable Bleed Valve.
- Drain Plug at low point.

## LST Type 32 Additional Spec:

The radiators are to feature a LST (low surface temperature) front third panel that the water does not pass through. The maximum surface temperature of the panel is to be 45°C at a primary flow temperature of 80°C to prevent anyone leaning against or touching the radiator for long periods, from burning.