Rheem Raypak Commercial Water Heaters

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1 Specification Details

Trade Sections: Plumbing, HVAC
Description:
Keywords: Plumbing, HVAC, Rheem Raypak Commercial Water Heaters, hot water heaters, gas water heaters, mechanical heating systems, heat source heaters, hydronic heaters, hydronic water heaters,

2 Clauses

2.1 Scope

Help Note:
To specify hot water system Buffer and Storage Tanks - add the '**Rheem Storage Tanks**' specification to your project.

For technical information on products to attach to this project, please visit https://productspec.co.nz/en/supplier/rheem

2.1.1 'Raypak' Outdoor Installation

Supply, install and commission the selected 'Raypak' Commercial Water Heater to the location shown on the drawings, complete with all necessary fittings and accessories for proper operation and functionality. All aspects of this work shall be in strict accordance with Rheem technical literature and installation requirements (check www.rheem.co.nz, or call 0800 657 336 for the latest editions), other relevant product manufacturers' recommendations, with all relevant Standards, Regulations and Acts, and as shown on the drawings.

No substitutions are permitted for 'Raypak' Commercial Water Heaters.

2.1.2 'Raypak' Indoor Installation

Supply, install and commission the selected 'Raypak' Commercial Water Heater to the location shown on the drawings, complete with all necessary fittings and accessories for proper operation and functionality. All aspects of this work shall be in strict accordance with Rheem technical literature and installation requirements (check www.rheem.co.nz, or call 0800 657 336 for the latest editions), other relevant product manufacturers' recommendations, with all relevant Standards, Regulations and Acts, and as shown on the drawings.

No substitutions are permitted for 'Raypak' Commercial Water Heaters.

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2.2 'Rapak' Water Heaters

2.2.1 'Raypak 200' - 44kW Output (NG), Min 325L - Max 2000L Storage Tank Capacity, Indoor/Outdoor

'Raypak 200' Water Heater. Compact gas water heater with copper finned tube heat exchanger, sealed combustion chamber, ceramic fibre insulating refractory panels and 100% safety shut-off controls. Suitable for indoor and outdoor installations, 465mm(w) x 675mm(d) x 1625mm(h) with Draught Diverter. Standard left hand gas and water connections. Hot Surface Ignition.
Natural Gas - 196MJ/hour energy input, 44kW output, 0.95kPa minimum gas supply pressure.
LPG Gas - 185MJ/hour energy input, 41kW output, 2.75kPa minimum gas supply pressure.
Maximum 95°C, minimum 44°C 'Modulating' thermostat settings. Modulating model only available in ULPG and Natural Gas.
680kPa maximum potable hot water supply pressure without ECV, 850kPa maximum working pressure.
325 litre minimum Buffer Tank capacity. 2000 litre maximum storage capacity.
240V/50Hz, 50W, 0.21A electrical rating. 91kg approximate weight when empty.
Minimum installation clearances from combustible surfaces - 500mm back, 600mm left side, and 500mm right side, 750mm front, 1200mm ceiling.
Minimum installation clearances from non-combustible surfaces - 150mm back, 600mm left side, 150mm right side, 750mm front, 1200mm ceiling.
175mm diameter flue connection. Indoor installed Raypak Water Heaters to be flued and ventilated in accordance with AS/NZS 5601.1 and as shown on the drawings.

Gas type:
Location:

2.2.2 'Raypak 280' - 62kW Output (NG), Min 325L - Max 3000L Storage Tank Capacity, Indoor/Outdoor

'Raypak 280' Water Heater. Compact gas water heater with copper finned tube heat exchanger, sealed combustion chamber, ceramic fibre insulating refractory panels and 100% safety shut-off controls. Suitable for indoor and outdoor installations, 570mm(w) x 615mm(d) x 1715mm(h) with Draught Diverter. Standard left hand gas and water connections. Hot Surface Ignition.
Natural Gas - 278MJ/hour energy input, 62kW output, 0.95kPa minimum gas supply pressure.
LPG Gas - 261MJ/hour energy input, 58kW output, 2.75kPa minimum gas supply pressure.
Maximum 95°C, minimum 44°C 'Modulating' thermostat settings.
Maximum 80°C, minimum 44°C 'On/Off' thermostat settings.
680kPa maximum potable hot water supply pressure without ECV, 850kPa maximum working pressure.
325 litre minimum Buffer Tank capacity. 3000 litre maximum storage capacity.
240V/50Hz, 50W, 0.21A electrical rating. 93kg approximate weight when empty.
Minimum installation clearances from combustible surfaces - 500mm back, 600mm left side, 500mm right side, 750mm front, 1200mm ceiling.
Minimum installation clearances from non-combustible surfaces - 150mm back, 600mm left side, 150mm right side, 750mm front, 1200mm ceiling.