Rheem Commercial Heat Pump Water Heaters

TABLE OF CONTENTS

Specification Details 2
Clauses 2
- Scope 2
- Heat Pump Model 2
- Heat Pump Finish 4
- Storage Tanks 4
- Co-operation 4
- Workmanship 5
- Delivery & Handling 5
- Installation 5
- Completion 7

Compliances 7

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1 Specification Details

Trade Sections: Plumbing
Description:
Keywords: Plumbing, Rheem Commercial Water Heating Heat Pumps, hot water heating systems, hot water heaters

2 Clauses

2.1 Scope

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

2.1.1 Scope

Supply, install and commission the selected Rheem 3-phase Commercial Heat Pump Water Heaters and components of the water heating system to the locations 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 (checkwww.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 Rheem Commercial Heat Pump Water Heaters.

2.2 Heat Pump Model

2.2.1 Rheem 952 022 - Indoor Heat Pump with Ducted Vertical Discharge

Rheem 952 022 - Indoor Commercial Heat Pump with Ducted Vertical Discharge. 16kW heating capacity. 1000kPa maximum working pressure.
415V/50Hz, 3-phase electrical connection, 20 amp per phase. 4.2kW maximum load.
60°C thermostat setting. Minimum 400 litre - maximum 4000 litre storage capacity per heat pump.
1,600L/s Air Flow, 40Pa maximum Static Pressure (duct) - 565mm x 800mm recommended duct size with minimum resistance at the duct outlet.
1150mm(l) x 565mm(d) x 1045mm(h) cabinet size, 120kg approximate weight when empty.
Minimum installation clearances - 50mm back, 600mm sides, 600mm front, 800mm top. Installed to the layout shown on the drawings as a component of the heat pump water heating system.
Aluminium or Stainless Steel cabinet finish options.
Complete with Primary Pump sized by Rheem to suit the required flow rate (1 x Primary Pump per heat pump), and heat pump Controller and control leads (1 x Controller per 1-6 heat pumps, control leads supplied and installed by the Electrician).

Location:

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2.2.2 Rheem 952 022S - Indoor Heat Pump with Ducted Horizontal Discharge

Rheem 952 022S - Indoor Commercial Heat Pump with Ducted Horizontal Discharge (must be requested and ordered as such). 16kW heating capacity. 1000kPa maximum working pressure.
415V/50Hz, 3-phase electrical connection, 20 amps per phase, 4.2kW maximum load.
60°C thermostat setting. Mimimum 400 litre - maximum 4000 litre storage capacity per heat pump.
1,600L/s Air Flow, 40Pa maximum Static Pressure (duct) - 565mm x 800mm recommended duct size with minimum resistance at the duct outlet.
1150mm(l) x 640mm(d) x 1045mm(h) cabinet size, 120kg approximate weight when empty.
Minimum installation clearances - 1200mm back, 600mm sides, 600mm front, 50mm top. Installed to the layout shown on the drawings as a component of the heat pump water heating system.
Aluminium or Stainless Steel cabinet finish options.
Complete with Primary Pump sized by Rheem to suit the required flow rate (1 x Primary Pump per heat pump), and heat pump Controller and control leads (1 x Controller per 1-6 heat pumps, control leads supplied and installed by the Electrician).

Location:

2.2.3 Rheem 953 022 - Outdoor Heat Pump with Non-ducted Vertical Discharge

Rheem 953 022 - Outdoor Commercial Heat Pump with Non-ducted Vertical Discharge. 16kW heating capacity. 1000kPa maximum working pressure.
415V/50Hz, 3-phase electrical connection, 20 amp per phase, 4.2kW maximum load.
60°C thermostat setting. Minimum 400 litre - maximum 4000 litre storage capacity per heat pump.
1,600L/s Air Flow.
1150mm(w) x 565mm(d) x 980mm(h) cabinet size, 120kg approximate weight when empty.
Minimum installation clearances - 50mm back, 600mm sides, 600mm front, 1200mm top. Installed to the layout shown on the drawings as a component of the heat pump water heating system.
Aluminium or Stainless Steel cabinet finish options.
Complete with Primary Pump sized by Rheem to suit the required flow rate (1 x Primary Pump per heat pump), and heat pump Controller and control leads (1 x Controller per 1-6 heat pumps, control leads supplied and installed by the Electrician).

Location:

2.2.4 Rheem 953 022S - Outdoor Heat Pump with Non-ducted Horizontal Exhaust

Rheem 953 022S - Outdoor Commercial Heat Pump with Non-ducted Horizontal Exhaust (must be requested and ordered as such). 16kW heating capacity. 1000kPa maximum working pressure.
415V/50Hz 3-phase electrical connection, 20 amps per phase, 4.2kW maximum load.
60°C thermostat setting. Minimum 400 litre - maximum 4000 litre storage capacity per heat pump.
1,600L/s Air Flow.
1150mm(w) x 585mm(d) x 980mm(h) cabinet size, 120kg approximate weight when empty.
Minimum installation clearances - 1200mm back, 600mm sides, 600mm front, 50mm top. Installed to the layout shown on the drawings as a component of the heat pump water heating system.
Aluminium or Stainless Steel cabinet finish options.
Complete with Primary Pump sized by Rheem to suit the required flow rate (1 x Primary Pump per