



# COMMERCIAL HEAT PUMP

## ST GEORGES TERRACE , PERTH, WA

140 St Georges Terrace underwent a wider refurbishment in 2017. As part of that project EoT facilities were retrofitted with a view to improving building sustainability and marketability.

### Hot Water Requirements

With the 14-shower facility required to accommodate an estimated peak demand of 2520-litres over the one-hour morning period when office workers arrive for work, the project brief called for the provision of a highly efficient hot water plant.

### Solution

The plant also needed to fit the challenging confines of former car park spaces and be located near the EoT shower facilities. Rendering the challenge even more difficult was the space's sloping aspect, the inclusion of a staircase, and a need for easy service access.

The Rheem Commercial team quickly ascertained that the Rheem heat pump system met all aspects of the brief. Rather than using a unit that discharged air vertically, Rheem provided the stackable horizontal discharge model, which is highly suitable for difficult spaces.



## FACTS & FIGURES

- 2 x 95302200D/H Rheem Commercial Non-Ducted Horizontal Discharge Heat Pump
- 4 x 610430 Commercial Storage Tanks
- 1 x 616315 Heavy Duty Electric Water Heater as boost plant

Hydraulic consultant: Wood & Grieve

Contractor: MI Plumbing

