



FIVE GUYS — LIMITED INSTALLATION SPACE CALLS FOR HITACHI SIDESMART™ VRF



Melbourne, Australia

The cult-favourite US burger giant Five Guys was established in 1986 as a family-operated fast-food chain business in Arlington, Virginia, serving made-to-order burgers, fries and hotdogs.

As the popularity of the business increased, it expanded across the United States, Canada and now Australia. With two stores already open in Sydney, their latest Australian location was in Southbank, Melbourne.

When it came to specifying air conditioning equipment, stock availability was a crucial factor for this project as Five Guys Melbourne required a 12-week build program.

The specification also had to comply with Five Guys' international design guidelines and recommend a system which had Wi-Fi Control.

Solution & Application



COMPACT
DESIGN

RESTAURANT/
HOSPITALITY

Key outcomes

- ✓ **Quick lead times** — Hitachi stock availability is what separates the brand from its competitors
- ✓ **Compact installation** — Sidesmart™ Slim Modular VRF units were installed in a narrow space in the loading dock and Silent-Iconic™ Cassettes were installed in the limited ceiling spaces
- ✓ **Wi-Fi Control** — Allows the key stakeholders to control the system and troubleshoot anywhere at anytime via a smart device

Issues to be addressed

The project presented several challenges that would need to be adequately addressed by the specified HVAC solution.

Firstly, there was restricted outdoor space available for the condenser units. The only space that could be allocated for the installation was the loading dock which had poor air circulation and the installation space available for the units was very narrow.

Secondly, there was limited ceiling space available for HVAC equipment.

The decision was made to use Hitachi products as the preferred solution for this store as they effectively addressed these issues.

Key stakeholder requirements

- **12 week build program** — The availability of units was an important factor in selecting Hitachi over other brands.
- **Five Guys International Design Guidelines** — Complying with these guidelines was a must.
- **Wi-Fi Control** — The stakeholders wanted complete control of the system via a smartphone or web application.

Our solution

Our team thoroughly selected the following Hitachi products:

- **Hitachi SideSmart™ Slim Modular VRF** — Chosen because of their compact side discharge outdoor units which measure only 420mm deep, these were able to fit in the limited space available without sacrificing performance. This range also presented fewer complications during delivery and installation due to its lightweight build. Its modularity means that up to 4 outdoor units can be connected, offering a maximum combined cooling capacity of 152kW.
- **Hitachi Silent-Iconic™ 4-Way Cassettes** — These cassettes not only satisfied the ceiling space limitations, but its premium streamline design made it an integral addition to the store's overall aesthetic.
- **Hitachi airCloud Pro VRF remote management** — Installed to enable complete control via smartphone or web application. Project stakeholders were very impressed with the features of airCloud Pro, especially the capability for troubleshooting any system issues that may arise with access to an error history. Hitachi airCloud Pro alerts the users when maintenance is required to ensure the system is always operating efficiently and effectively.

GENERAL INFORMATION

Customer

Five Guys International

Location

3 Freshwater Place, Southbank VIC 3006
Australia

Project

SideSmart™ Slim Modular VRF, Silent Iconic™, and airCloud Pro Installation

Date of installation

May 2022

SYSTEM DESCRIPTION

Outdoor Units

- 2x 22.4kW Hitachi SideSmart™ VRF Outdoor Units

Indoor Units

- 1x RCI-4.0FSRP Silent Iconic™ Cassette
- 2x RPI-5.0FSR - High Static Ducted Unit

Controllers

- 3x PC-ARFG-A - Remote Control Switch
- 1x PSC-A32MN - Central Station Mini
- 1x airCloud Pro - VRF Remote Management

Developer

- Seagrass Boutique Hospitality Group

Contractors

- Climafreeze
- GSR