

CASE STUDY MULTI SPLIT SYSTEMS

# SYLVANIA WATERS HOUSE



CUSTOMER PROFILE  
End-user



BUILDING TYPE  
Modern residential home



FEATURED PRODUCT  
VRV IV-S

## BACKGROUND

Sylvania Waters, a waterfront suburb located 21 kilometres south of Sydney Central Business District, is where this two-storey modern residential home with 5 spacious bedrooms was newly constructed. The top floor is divided into two sections via a connecting bridge, with the master bedroom and ensuite on one side, and bedrooms 2-4 on the other.

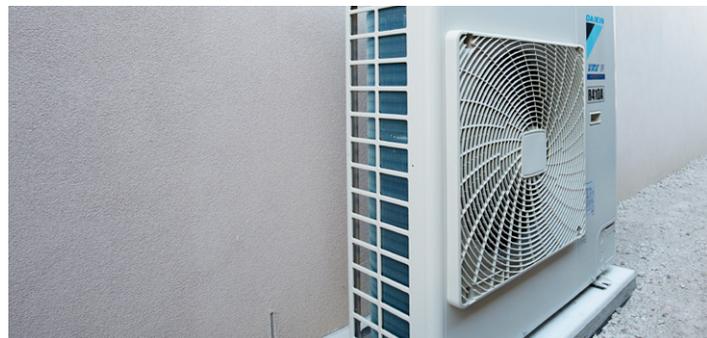
## CHALLENGES

At the time of quoting Daikin systems at the premises, the house was two weeks away from gyprocking, with all framing, roofing, external walls and glass windows completed and installed. During the first site meeting it was recognised that the design and stage of the house would not allow for a Daikin residential ducted air conditioning system.

## SOLUTION

The collaboration between Capri Kitchen and Joinery, Southern Climate Solutions and the owner/builder allowed for a seamless design solution that did not compromise the design intent of the home.

Two of Daikin's VRV IV-S condensing units were specified. Daikin VRV IV-S incorporates the latest technology including remarkable energy efficiency as well as quiet operation. The compact size and horizontal discharge design of the VRV IV-S outdoor unit makes it an ideal solution for the modern home.



In terms of indoor units, the first system consists of concealed bulkhead-type compact series servicing the master bedroom and guest bedroom, while a mid-static ducted system was installed in the butler's pantry to service the kitchen and dining area. The second system consists of concealed bulkhead type compact series servicing the second, third and fourth bedrooms. A high static ducted system was installed in the garage ceiling space and ducted to the living, TV and lounge area in a neat and clean manner.

For the design to achieve minimal visual obstruction, ceilings were lowered by 240mm in the butler's pantry, garage and bedroom joinery robes to accommodate for fittings and grilles. Additionally, supply air grilles were the very last component to be specified. Working closely with the owner/builder during the process of waiting for the house to near completion, Southern Climate Solutions was able to design an air grille that seamlessly and ideally suited the design narrative.

Engineered to meet the needs of indoor air quality with efficient operation, Daikin provides a five-year warranty for all residential applications. The air conditioning unit at this residence is projected to deliver a comfortable environment for many years to come.