



**VRV IV** S-series

## The Smart System For Your Home



Compact VRV IV heat pumps for residential applications

High Ambient

# Why choose Daikin VRV IV S-series?

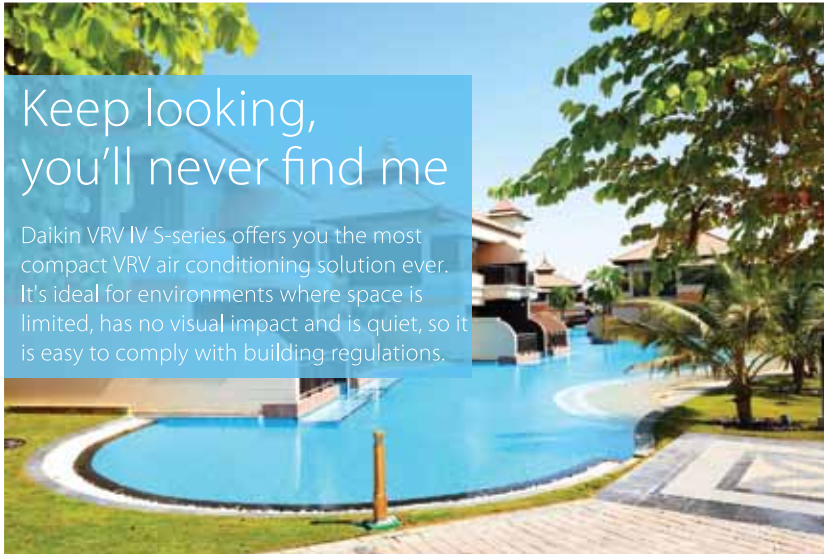
**You can install highly efficient, reliable Daikin air conditioning VRV systems in the most restricted locations. Because these outdoor units are compact and can fit in tight places.**

Keep looking,  
you'll never find me

Daikin VRV IV S-series offers you the most compact VRV air conditioning solution ever. It's ideal for environments where space is limited, has no visual impact and is quiet, so it is easy to comply with building regulations.

## Compact

- ✓ Unique VRV outdoor solution
- ✓ Compact units with a small footprint integrate seamlessly into surrounding architecture.
- ✓ Total flexibility for any location or type of property due to the unlimited possibilities of our solutions.
- ✓ Ideal for built-up areas where outdoor space is limited as the unit is easy to hide.
- ✓ Outdoor air conditioning units can now be fitted where this was previously not an option.
- ✓ Easy to comply with planning regulations, where AC units can not be visible by public or from street level.



## Daikin VRV efficiency, comfort and control

- ✓ Highest seasonal efficiency rating in their class (ESEER), reducing energy, costs and CO<sub>2</sub> emissions
- ✓ Unique Variable Refrigerant Temperature eliminates cold draughts and continuously adjusts unit operation to the actual conditions, maximising seasonal efficiency
- ✓ Centralised, easy to use controls ensure optimum operation, maximising efficiency and comfort
- ✓ Energy monitoring to follow up energy use.

## Quiet

- ✓ Highly suited for residential areas thanks to their low operating sound.

## Leading after-sales support

- ✓ Direct support from Daikin wherever you need it.
- ✓ Professional selection tools and excellent expert support, reduce installation time, ensuring optimum operation and lower running costs

## Flexible installation

- ✓ Lightweight units reduce installation time and effort
- ✓ Compact units extend the installation options

# VRV IV S-series

Keep a low profile

**VRV IV S-series units are an ideal solution when outdoor space is restricted because they are easy to hide, thus minimising both visual and sound impact. Their design overcomes the challenges that aesthetics and regulations can impose.**

## Space saving

**Lower height than regular VRV**

The VRV IV S-series units fit easily behind low wall because they have the lowest height in the market.

## Seasonal efficiency

The VRV IV S-series units have the best seasonal efficiency in the class, reducing both energy consumption and costs.



## Subtle

The Daikin VRV IV S-series units are ideal for installation on a balcony or behind a parapet as they are side discharge units which eliminates the need for any ducting saving on installation costs.



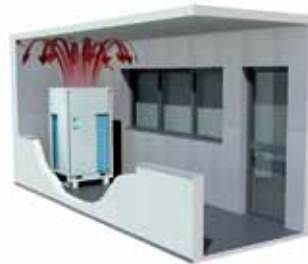
Daikin VRV IV S-series compact units can be installed in a wide variety of locations and applications such as behind a parapet or low wall yet remain entirely invisible from street level thanks to their compact dimensions.

# Ideal for balcony installation

The ideal choice for a balcony installation because as the Daikin VRV IV S-series units are front blow units, the air is blown away from the balcony, minimising any turbulence and ensuring optimum operation.

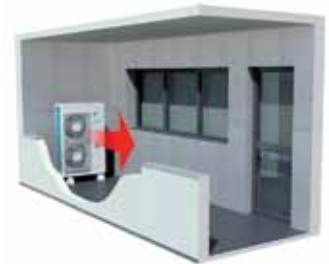
On top of that the small footprint makes it the natural choice for the typically limited space available on balconies.

Standard VRV IV (top blow)



versus

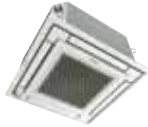
VRV IV S-series



## Total solution



Slim Duct



Fully flat cassette



Wall Mounted unit



Round Flow Cassette



Intelligent Touch Manager



Air handling unit ventilation



BRC1H81(9)

## Our range of small-footprint units



6-8-10-12HP  
(three phase)

## A wide range, big on features

They may be discreet, but Daikin VRV IV S-series units stand out when it comes to benefits they deliver. They provide the perfect indoor climate, while remaining totally discreet from the outside. If you need efficient and effective air conditioning from a completely unnoticeable unit, look no further.

- ✓ A wide range of stylish indoor units can be connected connected.
- ✓ A total air conditioning solution integrating air handling units.
- ✓ Complete reliability thanks to refrigerant-cooled PCB
- ✓ Suitable for residential projects from 150 to 200 m<sup>2</sup> and beyond.
- ✓ Lighter weight unit is easy to install and handle
- ✓ A perfect match for any application thanks to the wide range of small-footprint units





The unit can be installed out of sight and earshot of the house thanks to the long piping length

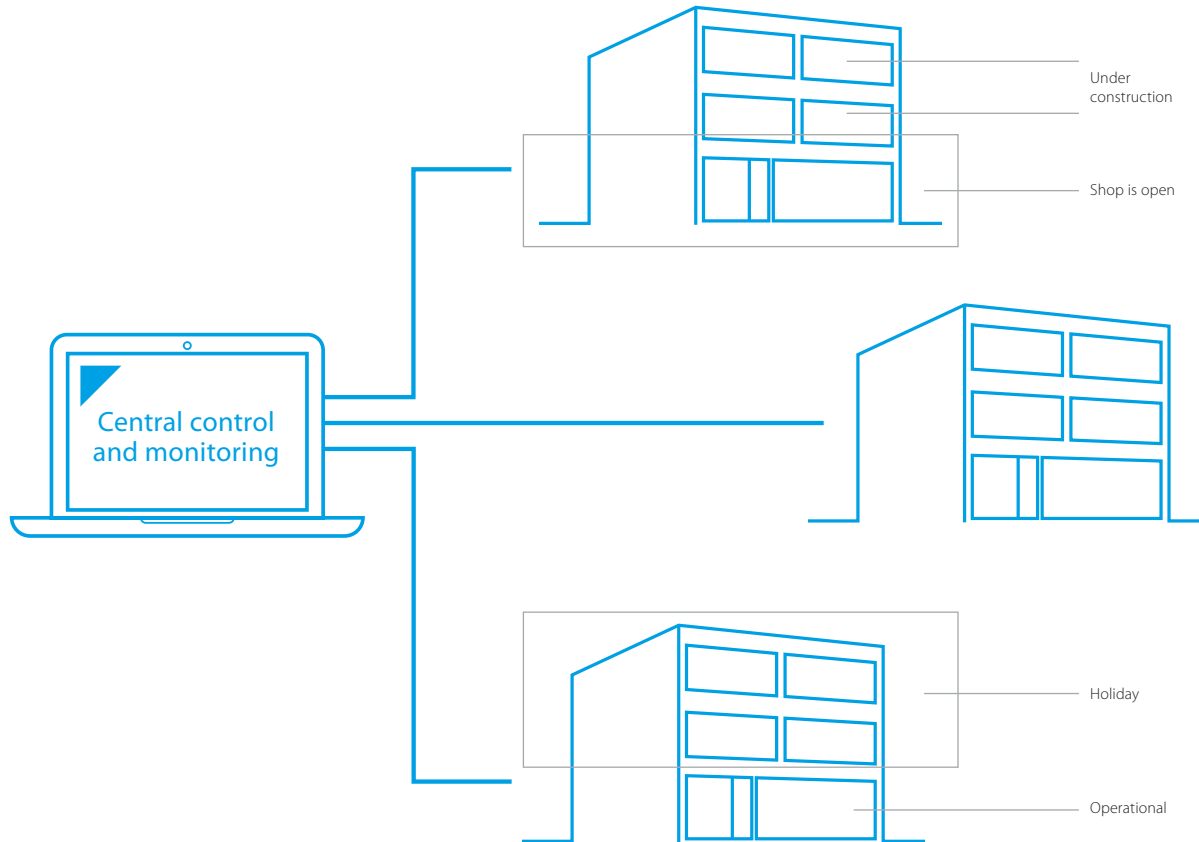




## A true VRV IV

- ✓ Unique Variable Refrigerant Temperature for maximum customised comfort, efficiency and intelligent control tailored to your individual needs
- ✓ Zoning control individual areas of your property for maximum efficiency
- ✓ Zone by zone installation tailored to the needs of the building
- ✓ Multiple systems can be configured and controlled consistently from a central location
- ✓ VRV configurator for quick and easy commissioning of one or multiple systems

## Zone by zone installation



## Control of individual areas

## Specifications

### VRV IV-S heat pump

(1) Indoor temperature: 26.7 °CDB, 19.4 °CWB, Outdoor temperature: 35 °CDB, AHRI 1230:2010, power input indoor units (duct type) included. As per AHRI/ SASO

(2) Outdoor energy efficiency rating and power input based on Eurovent testing and listing of the 50Hz models only. As per Estidama.

(3) Indoor temperature: 29 °CDB, 19 °CWB, outdoor temperature: 46°CDB, ISO15042:2011, power input indoor units (duct type) included. As per ESMA.

(4) Indoor temperature: 26.6 °CDB, 19.4 °CWB, outdoor temperature: 48 °CDB, AHRI 1230:2010, power input indoor units (duct type) included. As per MEW

(5) Heating capacities are based on indoor temperature: 20 °CDB, outdoor temperature: 7 °CDB, 6 °CWB, Eurovent 2015, equivalent refrigerant piping: 5m, level difference: 0m.

Model				RXYSQ-	6TMYFK	8TMY1B	10TMY1B	12TMY1B
Cooling T1 <sup>(1)</sup> 35°C <small>Nominal</small>	Capacity			HP	6	8	10	12
	Capacity			kW	15.3	22.4	28	33.5
	Capacity			Btu/h	52,000	76,400	95,500	114,300
	EER			(Btu/h) / W	11.42	11.3	11.2	11.2
	PI			kW	4.55	6.78	8.54	10.2
Cooling T3 <sup>(3)</sup> 46°C	Capacity			kW	12.89	17	20	24
	Capacity			Btu/h	44,000	58,000	68,200	81,850
	EER			(Btu/h) / W	8.36	10	9.72	9.52
	PI			kW	5.26	5.8	7.02	8.6
Cooling T2 <sup>(4)</sup> 48°C	Capacity			kW	12.89	15.0	17.0	20.0
	Capacity			Btu/h	44,000	51,150	58,000	68,200
	Efficiency			kW/Ton	1.51	1.25	1.40	1.40
	EER			(Btu/h) / W	7.78	9.58	8.53	8.56
	PI			kW	5.65	5.34	6.8	7.97
Heating (nominal) <sup>(5)</sup>	Capacity			kW	12.3	22.4	28.0	33.5
	Capacity			Btu/h	52,000	76,400	95,500	114,300
	COP			(Btu/h) / W	14.6	14.7	14.5	14.0
	PI			kW	2.87	5.2	6.6	8.19
Sound Level (nominal)	Sound Power			dBA	69	73	74	76
	Sound Pressure			dBA	51	55	55	57
Dimensions	H x W x D				1615 x 940 x 460	1,430 x 940 x 320		1,615 x 940 x 460
Weight	Unit		Kg		175	144	178	180
Operation Range Cooling	Outdoor				-5~52			
	Indoor				14~25 CWB			
Operation Range Heating	Outdoor				-20~15.5			
	Indoor				15~27 CDB			
Connection Ratio	VRV Indoor Unit only				100~130 %	50~130 %		
	VRV Indoor + AHU				50~110 %			
	AHU only				100~110 %	75~110 %		
Refrigerant	Type				R-410A			
Pipe Connections	Liquid				9.52	9.52	12.7	
	Gas				22.2	22.2	25.4	
Total Piping Length	System	Actual	m		300(100,120 actual 8,10,12 Hp)			
Max. Connectable Indoor Units					17	21	26	
Power Supply					3 Phase/380-415/400/50/60 Hz		3 Phase 380-415V / 50 Hz	



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## DAIKIN MIDDLE EAST & AFRICA

P.O. Box 18674, Jebel Ali Free Zone, Dubai, UAE, Tel: +971 (0) 4 815 9300, Fax: +971 (0) 4 815 9311

Email: [info@daikinmea.com](mailto:info@daikinmea.com) Web: [www.daikinmea.com](http://www.daikinmea.com)



Daikin Middle East and Africa



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