



Small Size, Robust Possibility.

The Daikin VRV-S elevates the renowned VRV air-cooled technology with its sleek, compact design tailored for small-scale installations without compromising performance. The Daikin VRV-S comes integrated with *Variable Refrigerant Temperature (VRT)* technology that supports optimal comfort throughout the year while maintaining overall energy efficiency.

Leveraging the engineering design opportunities of R-32, the new Daikin VRV-S provides an expansion of the Leveraging the engineering design opportunities of R-32, the new Daikin VRV-S provides an expansion of the product offering as well as several improvements compared to the previous Daikin VRV IV S-series. The new Daikin VRV-S improvements include the addition of a 2-ton size, single-fan chassis in all sizes, longer pipe lengths, efficiency, and capacity improvements, and more!

Light Commercial and Residential

A highly efficient solution, the Daikin VRV-S can provide cooling and heating for up to 9 zones. With many different indoor unit options, systems can be paired with a mix of ducted and duct-free indoor units for a customizable system. Designed for flexibility and versatility, the Daikin VRV-S system provides long piping lengths, which are accommodating and space-saving for almost any floor layout.

Low GWP R-32 Refrigerant:

Aligning with Daikin's goals of decarbonization, sustainability, and advancement towards clean energy, Daikin VRV-S models feature Low GWP R-32 refrigerant. Widely used and proven around the globe, easily available, efficient, and affordable, R-32 is an ideal choice to replace R-410A. Additionally, R-32 is a single component refrigerant offering simplicity and flexibility in charging and reclaiming (compared to blended refrigerants).

Capacity Range: 2 to 5 tons

Applications:



Features, Benefits, and Improvements:

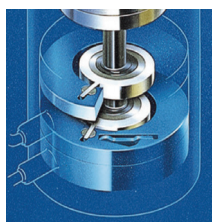
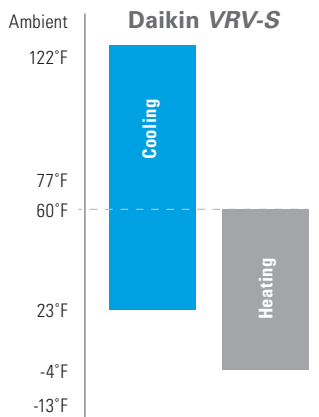
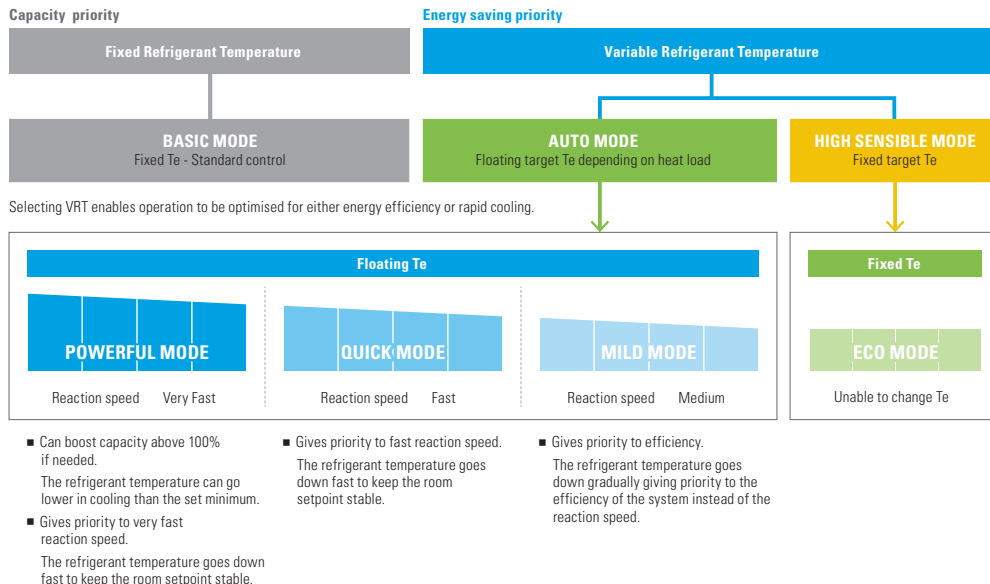
- » Addition of a 2-ton model for a complete 2- to 5-ton offering
- » Long pipe lengths with vertical separation up to 164 ft. and total pipe length up to 984 ft.
- » Compact, space-saving single fan chassis design across all sizes
- » Dependable operation in extreme ambient conditions of up to 122°F¹
- » Compact height of only 34-1/4" to support a range of applications
- » Efficient operation and year-round energy savings through Smart *Variable Refrigerant Temperature (VRT)* technology
- » Improved efficiencies in heating and cooling operation compared to the previous R-410A lineup
- » Quiet operation with sound levels as low as 56 dB(A)
- » Ease of retrofit of existing R-410A installation with the ability to re-use larger diameter refrigerant pipes via field setting
- » Optional base pan heater to defrost base pan in cooler climate applications
- » Increased nominal capacity compared to previous R-410A lineup up to 60,000 Btu/hr for the 5T model

¹ Conditions/rules apply. Refer to the Installation and Engineering Manual for details.



VRT mode control selection to match user preferences

VRT mode is efficiency focused while Basic mode is capacity focused.



The Daikin Swing Compressor

- » Daikin VRV-S SERIES built with the highly reliable Daikin swing compressor
- » Daikin's swing compressor technology integrates all the moving parts into one component
- » The integration minimizes abrasion between moving parts and refrigerant leakage through gaps from high to low pressure zones
- » Daikin's swing compressors deliver higher compressor efficiencies than a standard rotary compressor

DAIKIN VRV-S SERIES						
	Model Name		RXTA24AAVJU	RXTA36AAVJU	RXTA48AAVJU	RXTA60AAVJU
STYLE	ODU Style	Fan Type	Single Fan			
PERFORMANCE	Nominal Cooling Capacity	BTU/H	24,000	36,000	48,000	60,000
	Nominal Heating Capacity	BTU/H	27,000	40,000	52,000	60,000
	Operation Range Cooling	°F DB	23 to 122			
	Operation Range Heating	°F WB	-4 to 60			
	Power	V/P/HZ	208-230/1/60			
REFRIGERANT PIPING	Sound Pressure Level @ 3ft	dB(A)	56	56	56	57
	Refrigerant		R32			
	Refrigerant Quantity	lbs.	7.5	7.5	7.5	7.5
	Liquid Pipe (Main Line)	in.	3/8			
	Suction Gas Pipe (Main Line)	in.	5/8			
	Vertical Drop	ft.	164			
	Vertical Rise	ft.	130			
	Maximum vertical pipe length between IDU	ft.	49			
CONNECTION RATIO	Actual Pipe Length (Equivalent Length)	ft.	394 (492)			
	Total Piping Length	ft.	984			
	Connectable Indoor Unit Ratio	%	50-130			
UNIT	Number of Indoor Units	Qty	4	6	8	9
	Outdoor Unit Size	(HxWxD)	34-1/4 x 43-5/16 x 18-1/8			
FAN	Weight	lbs.	220			
	Airflow	CFM	3000			
ELECTRICAL	Fan Motor Output and Quantity	kW	0.20 x 1			
	Maximum Over Current Protection (MOP)	A	20	20	30	35
	Minimum Circuit Amps (MCA)	A	19.8	19.8	29.4	34.6
COMPRESSOR	Compressor Type	Type	Daikin Swing	Daikin Swing	Daikin Swing	Daikin Swing
	Capacity Control	%	14-100	14-100	14-100	14-100

Daikin VRV-S outdoor heat pumps are compatible only with the R-32 indoor units. R-410A-based indoor units are not compatible with the new Daikin VRV-S heat pump.

Additional information

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer. Visit www.daikincomfort.com or www.daikinac.com to learn more.



Our continuing commitment to quality products may mean a change in specifications without notice.

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