

VRV IV S SERIES

The Ideal Air Conditioning System for Residential Houses, Small Offices and Shops

Heat Pump
3 HP—6 HP
 (9 kW) (16 kW)



RXYMQ3-4AVE
 New **RXYMQ5-6BVM**

■ Compact & lightweight design

The VRV IV S series is slim and compact, with outdoor units that require minimal installation space.

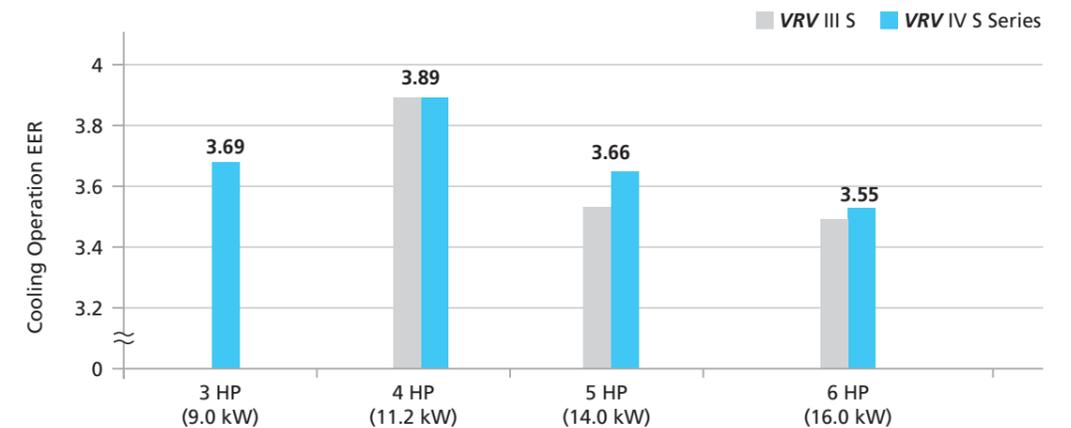


	3 HP / 4 HP	5 HP	6 HP
Height	990 mm	990 mm	990 mm
Product Weight	71 kg	76 kg	78 kg
Footprint	0.30 m ²	0.30 m ²	0.30 m ²

■ Energy saving

High Energy Efficiency Ratio (EER)

VRV IV S series provides greater energy saving as compared to VRV III S series.



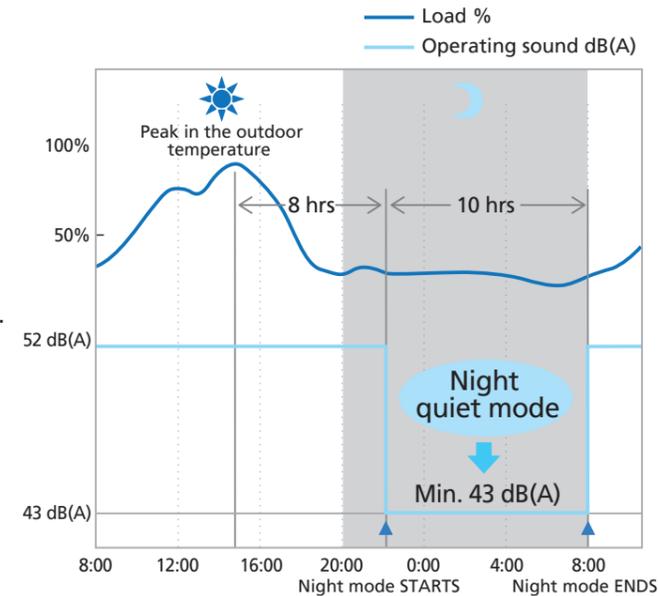
*Cooling operation conditions: Indoor temp. of 27° CDB, 19° CWB, and outdoor temp. of 35° CDB.

Comfort and Simplified Installation

Quiet operation

Nighttime quiet operation function

The nighttime quiet operation function automatically suppresses the nighttime operating sound by reducing operation capacity to maintain the quiet environment of the neighborhood. Three selectable modes are available depending on the required level. This function is suitable for use in residential areas.



- Notes:
- This function is available in setting at site.
 - The operating sound in quiet operation mode is the actual value measured by our company.
 - The relationship of outdoor temperature (load) and time shown above is just an example.
 - In case of 4 HP outdoor unit

Technologies for efficient and quiet operation

Swing compressor

Daikin swing compressor has integrated the rotor with the blade, completely solving the refrigerant leakage and the wear problem caused by the mechanical friction between the rotor and the blade, which enhances the compressor efficiency and makes the compressor more quiet and durable.



Smooth air inlet bell mouth and aero spiral fan

The smooth air inlet bell mouth and the aero spiral fan work to minimize turbulence in the airflow and reduce sound.

DC fan motor

Efficiency improved in all areas compared to conventional AC motors, especially at low speeds.

Makes the long piping design possible

Long piping length offers flexibility in the choice of installation positions, and simplifies system planning.

When only VRV indoor units are connected

Actual piping length

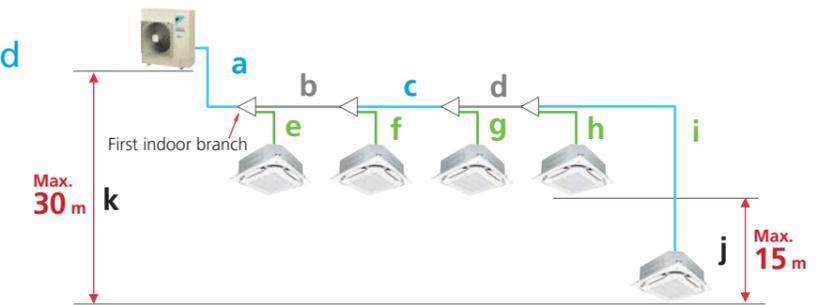
Max. 70 m

Equivalent piping length

Max. 90 m

Total piping length

Max. 300 m



		3, 4 HP	5, 6 HP
Max. allowable piping length	Refrigerant piping length (Equivalent)	a+b+c+d+i	50 m (65 m)
	Total piping length	a+b+c+d+e+f+g+h+i	70 m (90 m)
	Between the first indoor branch and the farthest indoor unit	b+c+d+i	250 m
Max. allowable level difference	Between the indoor units	j	40 m
	Between the outdoor unit and the indoor unit	If the outdoor unit is above	10 m
		If the outdoor unit is below	15 m
		k	30 m
	k	30 m	

When a mixed combination of VRV and residential indoor units is connected

Actual piping length

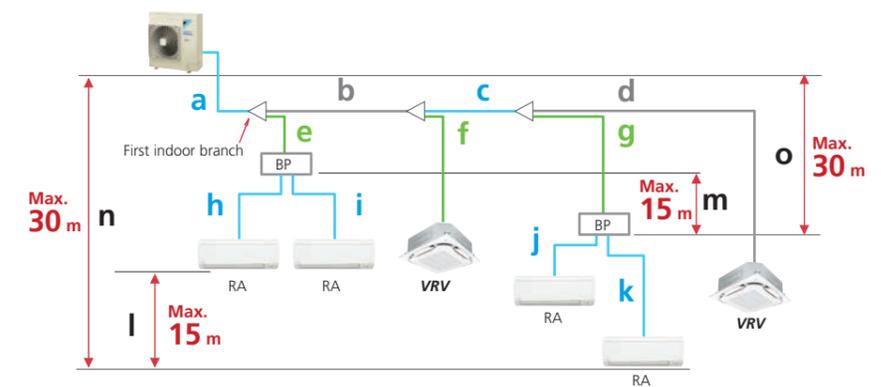
Max. 70 m

Equivalent piping length

Max. 90 m

Total piping length

Max. 250 m



		3, 4 HP	5, 6 HP	
Max. allowable piping length	Refrigerant piping length (Equivalent)	a+b+c+g+k, a+b+c+d	50 m (65 m)	
	Total piping length	a+b+c+d+e+f+g+h+i+j+k	70 m (90 m)	
	The first indoor branch - the farthest BP or VRV indoor unit	b+c+g, b+c+d	250 m	
Max. & min. allowable piping length	BP unit - indoor unit	If indoor unit capacity index < 60	40 m	
		If indoor unit capacity index is 60	2 m-15 m	
		If indoor unit capacity index is 71	2 m-12 m	
Min. allowable piping length	Outdoor unit - the first indoor branch	h, i, j, k	2 m-8 m	
		a	5 m	
Max. allowable level difference	Between the indoor units	l	10 m	
	Between BP units	m	15 m	
	Outdoor unit - the indoor unit	If the outdoor unit is above	n	10 m
		If the outdoor unit is below	n	15 m
		n	30 m	
	o	30 m		

Indoor Unit Lineup

Enhanced range of choices

A mixed combination of **VRV** indoor units and residential indoor units can be combined into one system, opening the door to stylish and quiet indoor units.

VRV indoor units

New lineup

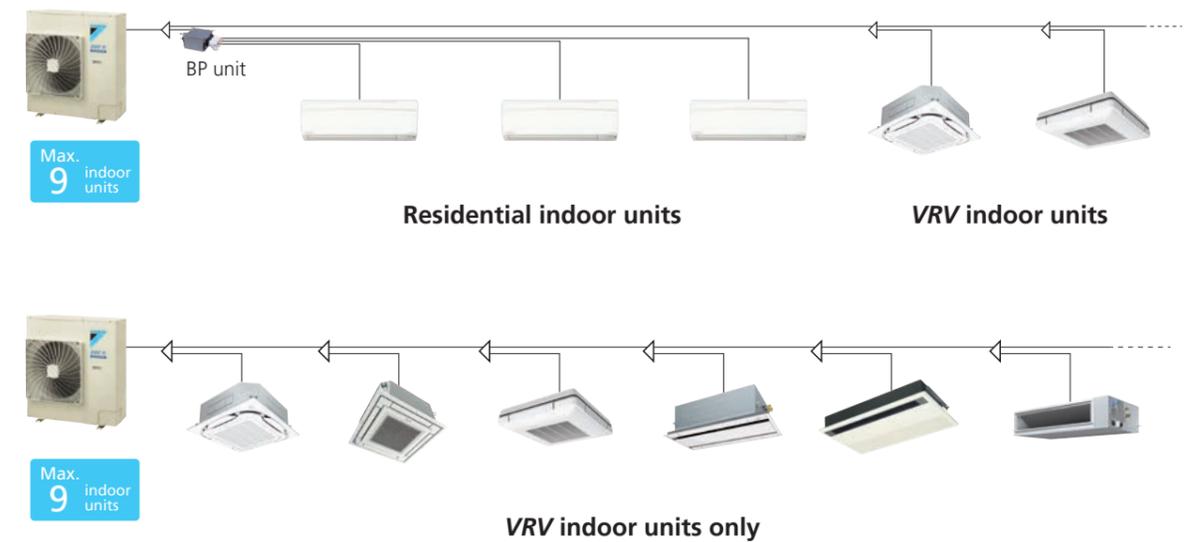
Category	Type	Model Name	Capacity Range	Capacity Index												
				20	25	32	40	50	63	71	80	100	125	140		
				0.8 HP	1 HP	1.25 HP	1.6 HP	2 HP	2.5 HP	3 HP	3.2 HP	4 HP	5 HP	6 HP		
Ceiling Mounted Cassette	Round Flow Cassette with Sensing	FXFSQ-AVM			●	●	●	●	●			●	●	●	●	
	Round Flow Cassette	FXFQ-AVM			●	●	●	●	●			●	●	●	●	
	Compact Multi Flow Cassette	FXZQ-AVM		●	●	●	●	●								
	Double Flow Cassette	FXCQ-AVM		●	●	●	●	●			●		●			
	Corner Cassette	FXKQ-MAVE			●	●	●	●								
Ceiling Concealed Duct	Slim Duct (Standard)	FXDQ-PDVE (with drain pump)		●	●	●										
		FXDQ-PDVET (without drain pump)		●	●	●										
		FXDQ-NDVE (with drain pump)					●	●	●							
		FXDQ-NDVET (without drain pump)					●	●	●							
	Middle Static Pressure Duct	FXSQ-PAVE		●	●	●	●	●	●			●	●	●	●	
Middle-High Static Pressure Duct	FXMQ-PAVE		●	●	●	●	●	●			●	●	●	●		
Outdoor-Air Processing Unit	FXMQ-MFV1												●			
Ceiling Suspended	4-Way Flow Ceiling Suspended	FXUQ-AVEB										●		●		
	Ceiling Suspended	FXHQ-MAVE				●			●				●			
		FXHQ-AVM												●	●	
Wall Mounted	FXAQ-AVM		●	●	●	●	●	●								
Floor Standing	Floor Standing	FXLQ-MAVE		●	●	●	●	●	●							
	Concealed Floor Standing	FXNQ-MAVE		●	●	●	●	●	●							
Heat Reclaim Ventilator	VAM-GJVE		Airflow rate 150-2000 m³/h													

Residential indoor units with connection to BP units

Type	Model Name	Rated Capacity (kW)	Capacity Index						
			20	25	35	50	60	71	
			2.0	2.5	3.5	5.0	6.0	7.1	
Slim Ceiling Concealed Duct	CDXS-EAVMA			●	●				
	FDXS-CVMA			●	●	●	●		
Wall Mounted	FTXS-DVMA		●	●	●				
	FTXS-EVMA								
	FTXS-FVMA					●	●	●	

Note: BP units are necessary for residential indoor units.

VRV indoor units combine with residential indoor units, all in one system.



* Refer to page 68 for the maximum number of connectable indoor units.

Outdoor Units

VRV IV S Series

Specifications

Heat Pump

MODEL			RXYMQ3AVE	RXYMQ4AVE	RXYMQ5BVM	RXYMQ6BVM
Power supply			1-phase, 220-230 V/220 V, 50/60 Hz		1-phase, 220-240 V/220-230 V, 50/60 Hz	
Cooling capacity	Btu/h		30,700	38,200	47,800	54,600
	kW		9.0	11.2	14.0	16.0
Heating capacity	Btu/h		34,100	42,700	47,800	54,600
	kW		10.0	12.5	14.0	16.0
Power consumption	Cooling	kW	2.44	2.88	3.83	4.51
	Heating		2.28	2.60	3.04	3.59
Capacity control	%		24 to 100		15 to 100	
Casing colour	Ivory white (5Y7.5/1)					
Compressor	Type	Hermetically sealed swing type				
	Motor output (Cooling/Heating)	kW	1.92		3.2/3.5	3.7
Airflow rate	m ³ /min		76		81	80
Dimensions (H×W×D)	mm	990×940×320				
Machine weight	kg		71		78	80
Sound level (Cooling/Heating)	dB(A)		51/52	52/54	53/54	55/56
Operation range	Cooling	°CDB	-5 to 46			
	Heating	°CWB	-20 to 15.5			
Refrigerant	Type	R-410A				
	Charge	kg	2.9		3.4	4.0
Piping connections	Liquid	mm	φ 9.5 (Flare)			
	Gas		φ 15.9 (Flare)		φ 19.1 (Brazing)	

Notes: Specifications are based on the following conditions;

- Cooling: Indoor temp.: 27° CDB, 19° CWB, Outdoor temp.: 35° CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 - Heating: Indoor temp.: 20° CDB, Outdoor temp.: 7° CDB, 6° CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
 - Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
- During actual operation, these values are normally somewhat higher as a result of ambient conditions and oil recovery mode.
- When there is concern for noise the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.
- Refrigerant charge is required.

Outdoor unit combinations

MODEL	RXYMQ3AVE	RXYMQ4AVE	RXYMQ5BVM	RXYMQ6BVM		
kW	9.0	11.2	14.0	16.0		
HP	3	4	5	6		
Capacity index	80	100	125	150		
Total capacity index of connectable indoor units	Combination(%)	50% *1	40	50	62.5	75
		80% *2	64	80	100	120
		100%	80	100	125	150
		130%	104	130	162.5	195
Maximum number of connectable indoor units	5	6	8	9		

Notes: *1 : When only VRV indoor units are connected, total capacity index of connectable indoor units must be 50%-130% of the capacity index of the outdoor unit.
 *2 : When a mixed combination of VRV and residential indoor units is connected or when only residential indoor units are connected, total capacity index of connectable indoor units must be 80%-130% of the capacity index of the outdoor unit.