

R-410A

LOOP
 BY DAIKIN

VRV IV S-series – RXYSQ-T

Standard Mini VRV



Outdoor Units			RXYSQ4TV9	RXYSQ5TV9	RXYSQ6TV9	RXYSQ4TY9	RXYSQ5TY9	RXYSQ6TY9
Capacity	Nominal Cooling	kW	12.1	14.0	15.5	12.1	14.0	15.5
	Nominal Heating	kW	12.1	14.0	15.5	12.1	14.0	15.5
η _{s,c}	Seasonal Efficiency Cooling	%	278.90	270.10	278.00	269.20	260.50	268.30
η _{s,h}	Seasonal Efficiency Heating	%	171.60	182.90	192.80	154.40	164.50	174.10
Dimensions	Height x Width x Depth	mm	1345 x 900 x 320	1345 x 900 x 320	1345 x 900 x 320	1345 x 900 x 320	1345 x 900 x 320	1345 x 900 x 320
Weight		kg	104	104	104	104	104	104
Air Flow Rate		m³/sec	1.767	1.767	1.767	1.767	1.767	1.767
Electrical Details	Power Supply	Phase / Hz / V	1 / 50 / 230			3 / 50 / 380~415		
	Running Current	amps	14.6	17.9	21.8	5.04	6.15	7.44
	Starting Current	amps	4	4	4	4	4	4
	Fuse Rating	amps	32	32	32	16	16	16
Refrigerant Circuit	Refrigerant Type		R410A					
Sound Pressure (Nom)		dBA	50.0	51.0	51.0	50.0	51.0	51.0
Sound Power (Nom)		dBA	68.0	69.0	70.0	68.0	69.0	70.0
Piping Limits	Maximum Length	m	300	300	300	300	300	300
Piping Connections	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
	Gas	inch (mm)	5/8 (15.9)	5/8 (15.9)	3/4 (19)	5/8 (15.9)	5/8 (15.9)	3/4 (19)
Capacity Index Limit			50 - 130	62.5 - 162.5	70 - 182	50 - 130	62.5 - 162.5	70 - 182
Maximum Number of Connected Indoor Units			8	10	12	8	10	12
Trade Condensing Unit Price			£4,109.00	£4,617.00	£5,154.00	£4,187.00	£4,745.00	£5,271.00

Technologies

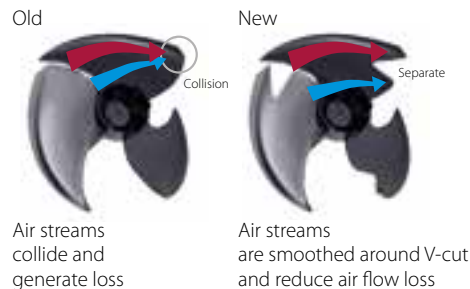
VRV IV S-series

Features

Super aero grille

The spiral shaped ribs are aligned with the direction of discharge flow in order to minimise turbulence and reduce noise.

Improved fan blades



Refrigerant-cooled PCB

- › Reliable cooling because it is not influenced by ambient air temperature
- › Smaller switchbox for smoother air flow through the heat exchanger increasing heat exchange efficiency by 5%



Compressor

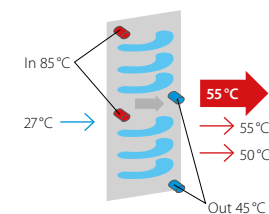
Swing type › **no oil separator**

- Vane and rotor are unified resulting in:
- › Reduced noise level
 - › Longer compressor life
 - › Higher efficiency

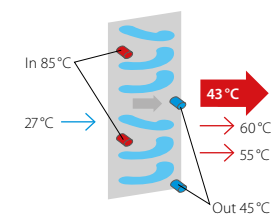
E-Pass heat exchanger

Optimising the heat exchanger's path layout prevents heat being transferred from the overheated gas section to the sub-cooled liquid section, which is a more efficient way to use the heat exchanger.

Standard heat exchanger

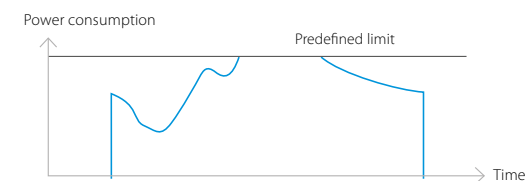


e-Pass heat exchanger



I-demand function

Limiting maximum power consumption, the newly introduced current sensor minimises the difference between the actual power consumption and the predefined power consumption.



R-410A

VRV IV S-series – RXYSQ-T

High Capacity Mini VRV



Features:

- › High capacity up to 33.5kW nominal cooling
- › Horizontal blow casing
- › Variable Refrigerant Temperature
- › Connection to stylish split fan coils
- › Compact installation – reduction in floor space
- › Available in 8, 10 & 12 hp

Planning requirements in built-up areas require increasingly more innovative products to overcome restrictions, especially on plant visibility.

By having a smaller footprint and weight than its big brother, the extended high capacity Mini VRV range is easier to hide and can help maximise the lettable floor area on a design.

Mini VRV systems deliver VRV performance in a small, convenient package. They offer a compact air conditioning solution with horizontal blow for projects with lower capacity requirements or where discretion is required due to the planning or aesthetic requirements of the application.

Including new features to increase performance, convenience and flexibility, Mini VRV from Daikin will become an even more popular choice for residential and smaller capacity air conditioning applications.

Outdoor Units			RXYSQ8TY1	RXYSQ10TY1	RXYSQ12TY1
Capacity	Nominal Cooling	kW	22.4	28.0	33.5
	Nominal Heating	kW	22.4	28.0	33.5
ηs,c	Seasonal Efficiency Cooling	%	247.30	247.40	256.50
ηs,h	Seasonal Efficiency Heating	%	165.80	162.40	169.60
Dimensions	Height x Width x Depth	mm	1430 x 940x320	1615 x 940 x 460	
Weight		kg	144	175	180
Air Flow Rate		m³/sec	2.333	3.033	3.033
Electrical Details	Power Supply	Phase / Hz / V		3 / 50 / 380~415	
	Running Current	amps	11.0	12.1	15.0
	Starting Current	amps	4	4	4
	Fuse Rating	amps	25	25	32
Refrigerant Circuit	Refrigerant Type			R410A	
Sound Pressure (Nom)		dBA	55.0	55.0	57.0
Sound Power (Nom)		dBA	73.0	74.0	76.0
Piping Limits	Maximum Length	m	300	300	300
Piping Connections	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)	1/2 (12.7)
	Gas	inch (mm)	3/4 (19)	7/8 (22.2)	1 1/8 (28.6)
Capacity Index Limit			100 - 260	125 - 325	150 - 390
Maximum Number of Connected Indoor Units			17	21	26
Trade Condensing Unit Price			£6,200.00	£6,775.00	£8,296.00



10/12 hp

8 hp

129