SUBMITTAL DATA SHEET

MODEL: HEAT PUMP 50/60 Hz VRV IV S SERIES - RXYMQ5BVM

PROJECT NAME:	
Location:	Approval:
Engineer:	Date
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:

FEATURES AND BENEFITS

Slim & compact design

The new design has been optimised for the VRV IV S series, with the height of 6 HP models reduced to only 990 mm. This design gives the building a sleek look externally and provides the occupants with a clear, unobstructed view of the scenery.
The VRV IV S series is now slim and compact, with outdoor units that require minimal installation space.

High Energy Efciency Ratio (EER)

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

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.

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

These two features work to reduce sound. Guides are added to the bell mouth intake to reduce turbulence in the airflow generated by fan suction. The Aero Spiral Fan features fan blades with the bent blade edges, further reducing turbulence.

DC fan motor

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

EXTERNAL APPEARANCE

VRV IV S SERIES

INVERTER R-410A

Variable Refrigerant Temperature

DAIKIN Applied Latin America, L.L.C.
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Defy your limits
www.daikinlatam.com

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SPECIFICATIONS

Model				RXYMQ5BVM
Power supply				1 phase, 220-240/220-230 V, 50/60 Hz
*1 Cooling capacity			kcal/h	12,000
			Btu/h	47,800
			kW	14.0
*2 Heating capacity			kcal/h	12,000
			Btu/h	47,800
			kW	14.0
Casing color				Ivory white
Dimensions: (H×W×D)			mm	990×940×320
Heat exchanger				Cross fin coil
Compressor	Type			Hermetically sealed swing type
	Motor output × number of units	Cooling	kW	3.2×1
		Heating	kW	3.5×1
	Starting method			Soft start
Fan	Type			Propeller fan
	Motor output		kW	0.2×1
	Airflow rate	Cooling	m³/min	81
		Heating	m³/min	81
	Drive			Direct drive
Connecting pipes	Liquid pipe		mm	ϕ9.5 (Flare connection)
	Gas pipe		mm	ϕ15.9 (Flare connection)
Mass			kg	78
*3 Sound pressure level		Cooling	dB(A)	53
		Heating	dB(A)	54
Safety devices				High pressure switch, Fan driver overload protector, Inverter overload protector, Fuse, Bimetal thermostat (External overload relay)
Defrost method				Reverse cycle defrosting
Capacity control			%	15-100
Refrigerant	Refrigerant type			R410A
	Charge		kg	3.4
	Control			Electronic expansion valve
Refrigerator oil				Refer to the nameplate of compressor
Standard accessories				Installation manuals, Operation manual, Clamps, Buckle, Ferrite core, Screw
Drawing No.	Specifications			C: 3D131470
	Sound level	Cooling		C: 4D131613
		Heating		C: 4D131612

Notes:
*1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.*2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m. *3. 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.

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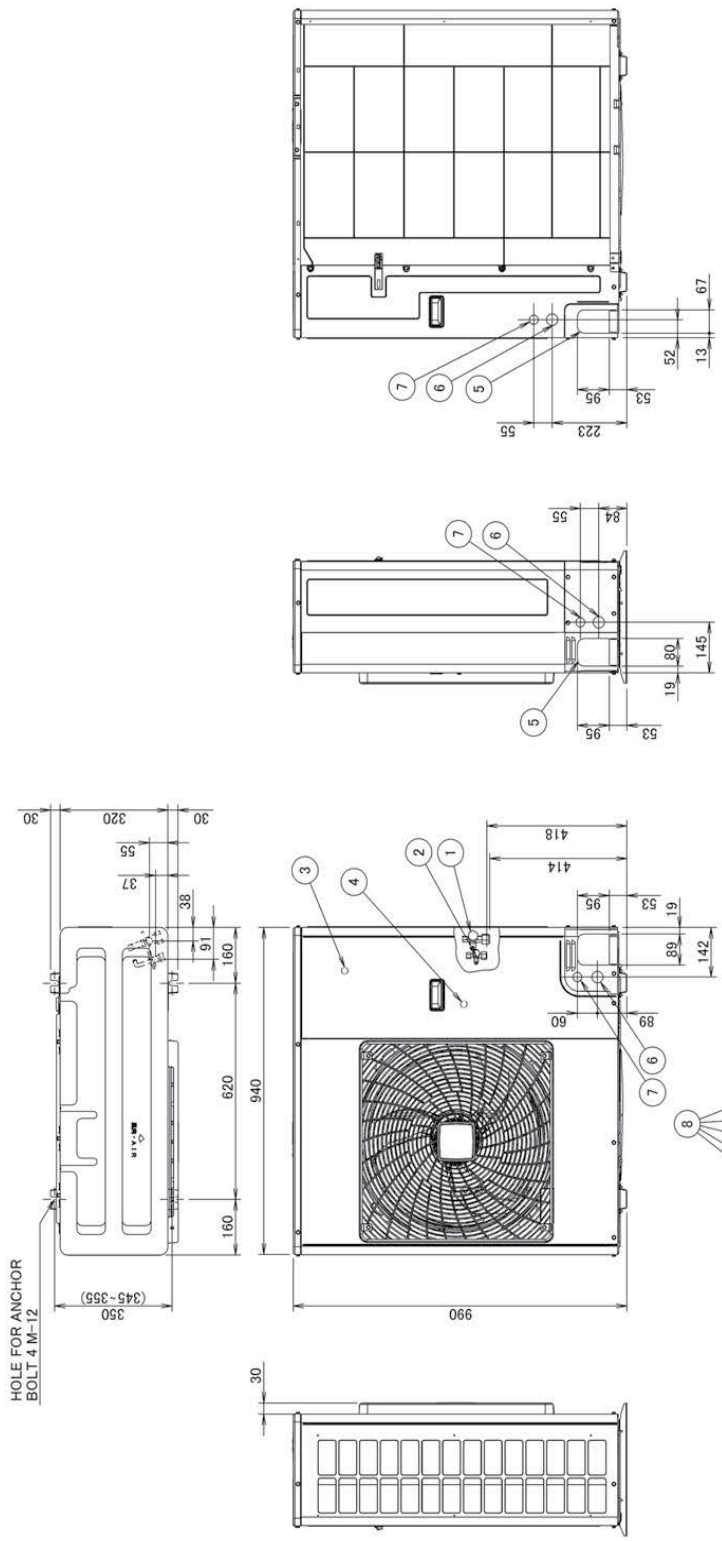
MODEL: HEAT PUMP 50/60 Hz VRV IV S SERIES - RXYMQ5BVM

DIMENSIONS

Unit: mm

3D131474



No.	Parts name	Remark
1	Gas pipe connection	AA
2	Liquid pipe connection	Ø 9.5 mm flare
3	Service port	In the unit
4	Grounding terminal	Inside of unit (M5)
5	Refrigerant piping intake	
6	Power supply wiring intake	Ø 34 mm
7	Control wiring intake	Ø 27 mm
8	Drain pipe connection	Outside Diameter Ø 26 mm

Model name	AA
RXYMQ5B~	Ø 15.9 mm flare
RXMQ5B~	
RXYMQ6B~	Ø 19.1 mm brazing (NOTE 1.)
RXMQ6B~	

Note:
1. When installation Gas pipe for RX(Y)MQ6B~ the pipe expander accessories (Ø15.9 → Ø19.1) is required.

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