

**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 Efficiency 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

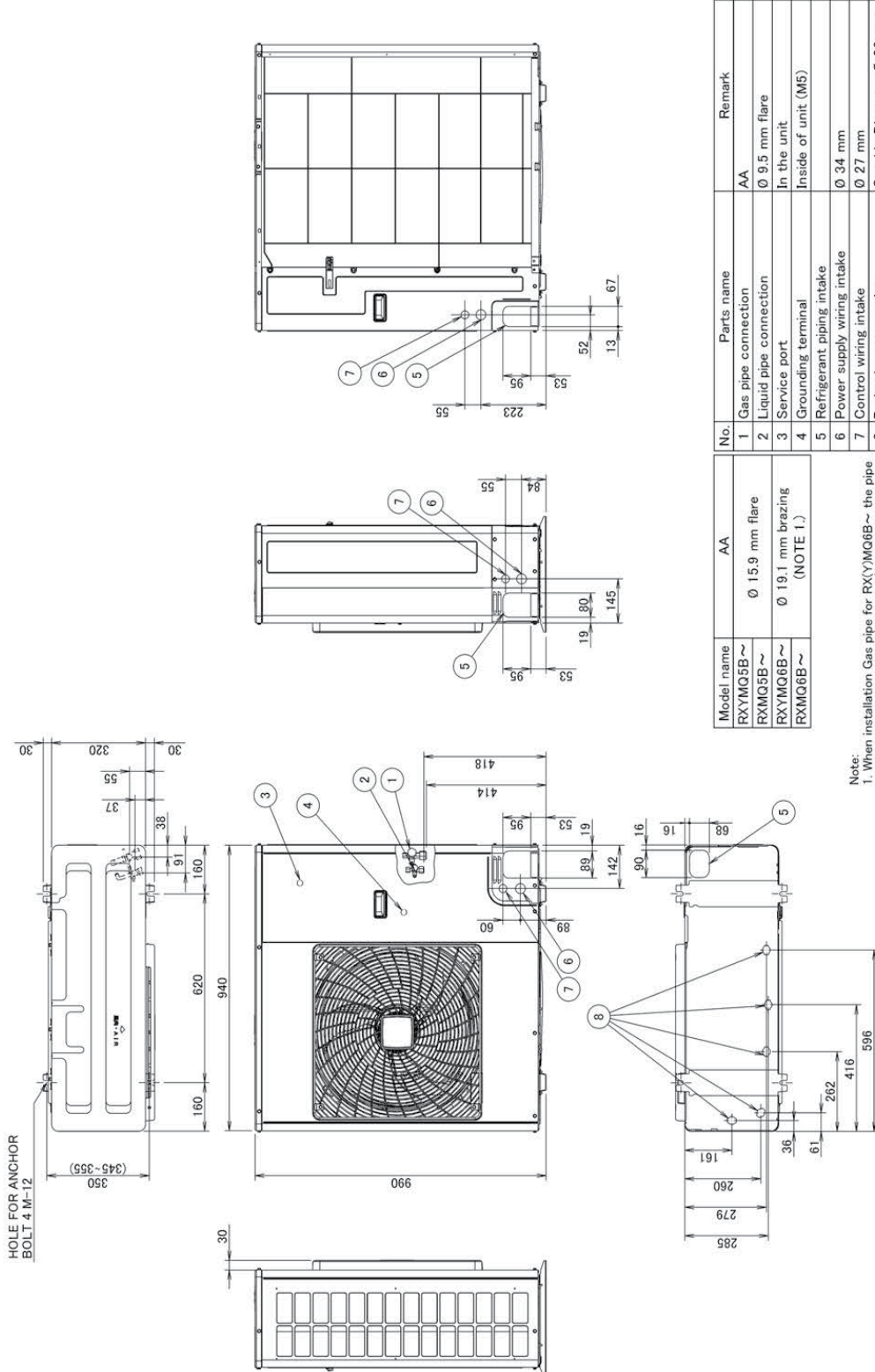


Model			RXYMQ6BVM	
Power supply			1 phase, 220-240/220-230 V, 50/60 Hz	
*1 Cooling capacity	kcal/h	13,800		
	Btu/h	54,600		
	kW	16.0		
*2 Heating capacity	kcal/h	13,800		
	Btu/h	54,600		
	kW	16.0		
Casing color			Ivory white	
Dimensions: (HxWxD)			mm	990x940x320
Heat exchanger			Cross fin coil	
Compressor	Type		Hermetically sealed swing type	
	Motor output × number of units	Cooling	kW	3.7×1
		Heating	kW	3.7×1
Starting method			Soft start	
Fan	Type		Propeller fan	
	Motor output		kW	0.2×1
	Airflow rate	Cooling	m <sup>3</sup> /min	80
		Heating	m <sup>3</sup> /min	80
Drive			Direct drive	
Connecting pipes	Liquid pipe	mm	φ9.5 (Flare connection)	
	Gas pipe	mm	φ19.1 (Brazing connection)	
Mass			kg	80
*3 Sound pressure level	Cooling	dB(A)	55	
	Heating	dB(A)	56	
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	4.0	
	Control		Electronic expansion valve	
Refrigerator oil			Refer to the nameplate of compressor	
Standard accessories			Installation manuals, Operation manual, Clamps, Buckle, Ferrite core, Screw, Gas side accessory piping (1), Gas side accessory piping (2), Gas side accessory piping (3)	
Drawing No.	Specifications		C: 3D131470	
	Sound level	Cooling	C: 4D131611	
		Heating	C: 4D131608	
<p><b>Notes:</b></p> <p>*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.</p> <p>During actual operation, these values are normally somewhat higher as a result of ambient conditions and oil recovery mode.</p> <p>When there is concern for noise the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.</p>				

### DIMENSIONS

### MODEL: HEAT PUMP 50/60 Hz VRV IV S SERIES - RXYMQ6BVM

Unit: mm



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

Note:  
1. When installation Gas pipe for RXYMQ6B~ the pipe expander accessories (φ15.9 → φ19.1) is required.

3D131474