1 Features

The most compact VRV

- Compact & lightweight single fan design makes the unit almost unnoticeable
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Nexura ...
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- Customize your VRV for best seasonal efficiency & comfort with the weather dependant Variable Refrigerant Temperature function. Increased seasonal efficiency with up to 28%. No more cold draft by supply of high outblow temperatures
- VRV configurator software for the fastest and most accurate commissioning, configuration and customisation
- Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.
- 3 steps in night quiet mode: step 1: 47dBA, step 2: 44 dBA, step 3: 41 dBA
- Simplified installation & guaranteed optimal efficiency with automatic charging & testing
- Easy compliance with F-gas regulation thanks to automated refrigerant containment check
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- Connectable to all VRV control systems
- Keep your system in top condition via our i-Net service: 24/7 monitoring for maximum efficiency, extended lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage

Inverter

2 Specifications

2-1 Technical Specifications					RXYSCQ4TV1	RXYSCQ5TV1
Capacity range				HP	4	5
Cooling capacity	Nom.			kW	12.1 (1)	14.0 (1)
Heating capacity	Nom.			kW	12.1 (2)	14.0 (2)
	Max.			kW	14.2 (2)	16.0 (2)
Power input - 50Hz	Cooling	Nom.		kW	3.43 (1)	4.26 (1)
	Heating	Nom.		kW	3.18 (2)	3.91 (2)
		Max.		kW	4.14 (2)	5.00 (2)
Capacity control	Method				Inverter controlled	
Maximum number of connectable indoor units					64 (3)	
Indoor index connection	Min.				50	62.5
	Nom.				-	
	Max.				130	162.5
Dimensions	Unit	Height		mm	823	
		Width		mm	940	
		Depth		mm	460	
	Packed unit	Height		mm	995	
		Width		mm	1,030	
		Depth		mm	580	
Weight	Unit			kg	94	
	Packed unit			kg	106	
Packing	Material				Carton	
	Weight			kg	3.8	
Packing 2	Material				Wood	
	Weight			kg	5.8	
Packing 3	Material				Plastic	
	Weight			kg	1.1	
Casing	Colour				Daikin White	
	Material				Painted galvanized steel plate	
Heat exchanger	Type				Cross fin coil	
	Fin	Treatment			Anti-corrosion treatment	
Compressor	Quantity				1	
	Type				Hermetically sealed swing compressor	
	Crankcase heater			W	33	
	Model				Inverter	
Fan	Quantity				1	
	Air flow rate	Cooling	Nom.	m^3/min	91	
	External static pressure	Max.		Pa	-	
	Discharge direction				Horizontal	
	Type				Propeller fan	
Fan motor	Quantity				1	
	Model				Brushless DC motor	
	Output			W	200	
Sound power level	Cooling	Nom.		dBA	68 (4)	69 (4)
Sound pressure level	Cooling	Nom.		dBA	51 (5)	52 (5)
Operation range	Cooling	Min.~Max.		°CDB	-5~46	
	Heating	Min.~Max.		°CWB	-20~15.5	
Refrigerant	Type				R-410A	
	Charge			kg	3.7	
				TCO_2eq	7.7	
	GWP				2,087.5	
Refrigerant oil	Type				Synthetic (ether) oil FVC50K	
	Charged volume			l	1.4	

2 Specifications

2-1 Technical Specifications					RXYSCQ4TV1	RXYSCQ5TV1
Piping connections	Liquid	Type			Flare connection	
		OD		mm	9.52	
	Gas	Type			Flare connection	
		OD		mm	15.9	
	Heat insulation				Both liquid and gas pipes	
	Piping length	OU - IU	Max.	m	300	
	Total piping length	System	Actual	m	-	
	Level difference	OU - IU	Outdoor unit in highest position	m	-	
			Indoor unit in highest position	m	-	
Defrost method					Reversed cycle	
Safety devices	Item	01			High pressure switch	
		02			Fan driver overload protector	
		03			Inverter overload protector	
		04			PC board fuse	
		05			Fusible plugs	
PED	Category				Category I	
	Most critical part	Name			Compressor	
		Ps*V		Bar*l	167	

Standard Accessories : Installation manual;

Standard Accessories : Operation manual;

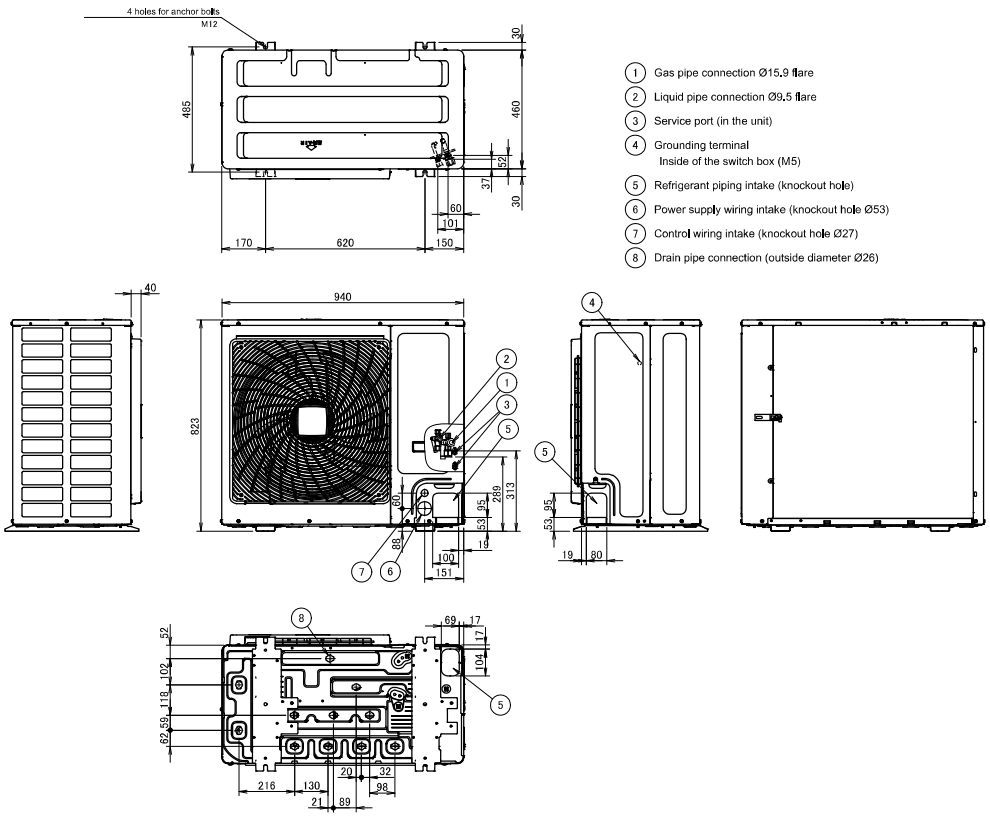
Standard Accessories : Connection pipes;

2-2 Electrical Specifications				RXYSCQ4TV1	RXYSCQ5TV1
Power supply	Name			V1	
	Phase			1~	
	Frequency		Hz	50	
	Voltage		V	220-240	
Voltage range	Min.		%	-10	
	Max.		%	10	
Current	Nominal running current (RLA) - 50Hz	Cooling	A	19.0 (6)	
Current - 50Hz	Minimum circuit amps (MCA)		A	29.1	
	Maximum fuse amps (MFA)		A	32	
	Total overcurrent amps (TOCA)		A	29.1 (7)	
	Full load amps (FLA)	Total	A	0.6	
Wiring connections - 50Hz	For power supply	Quantity		3G	
	For connection with indoor	Quantity		2	
		Remark		F1,F2	
Power supply intake				Both indoor and outdoor unit	

6 Dimensional drawings

6 - 1 Dimensional Drawings

RXYCSQ-TV1



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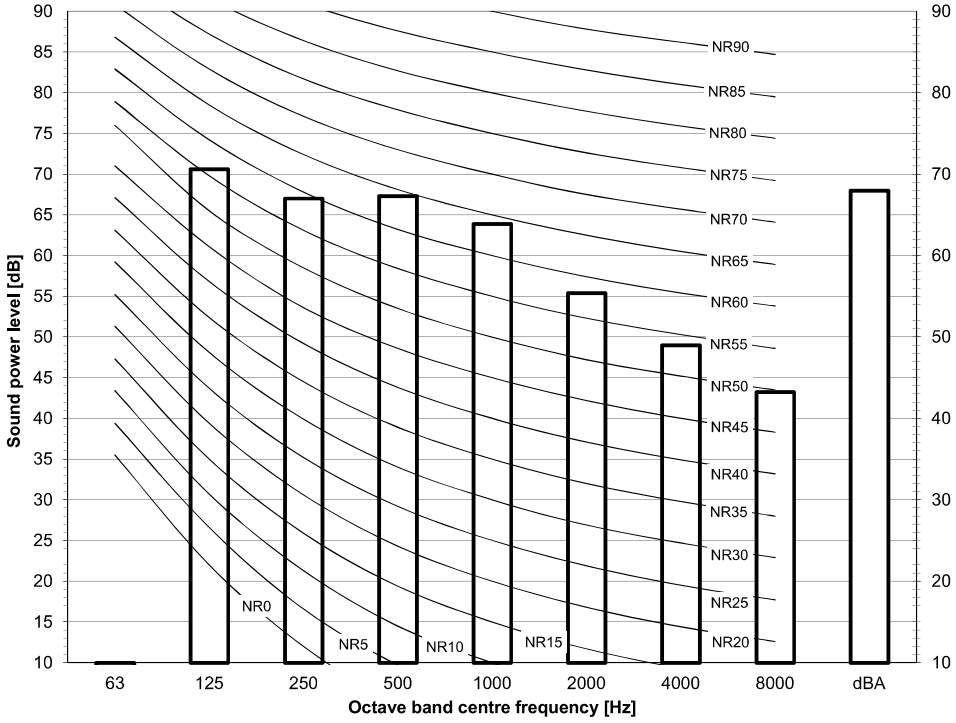
11 Sound data

11 - 1 Sound Power Spectrum

RXYSCQ4TV1



Notes
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6µW/m²
- Measured according to ISO 3744

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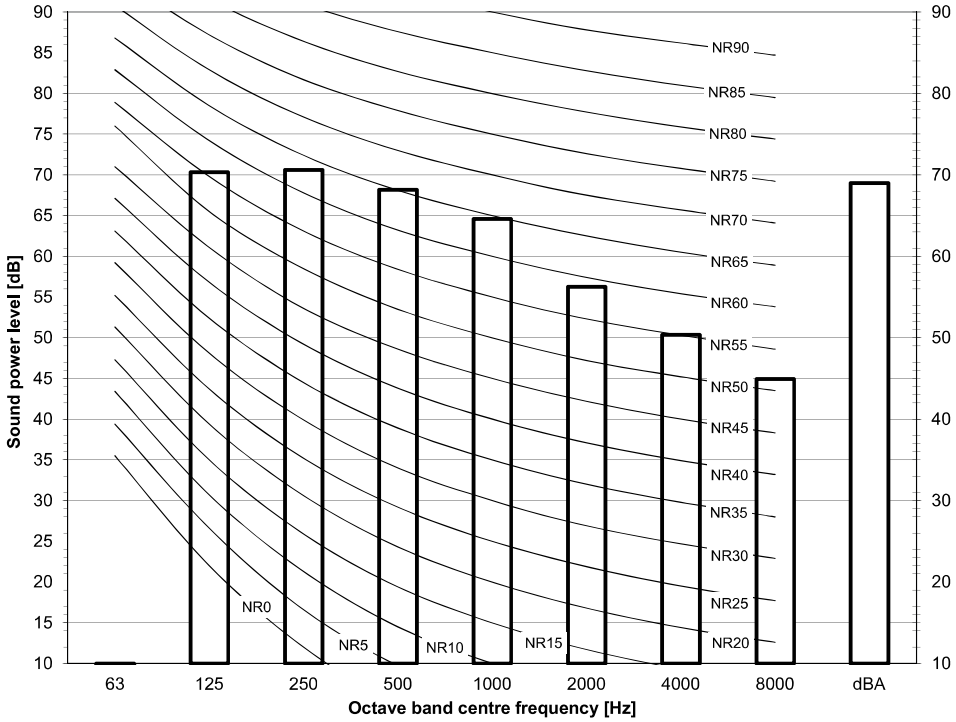
RXYSCQ5TV1



Notes
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6µW/m²
- Measured according to ISO 3744

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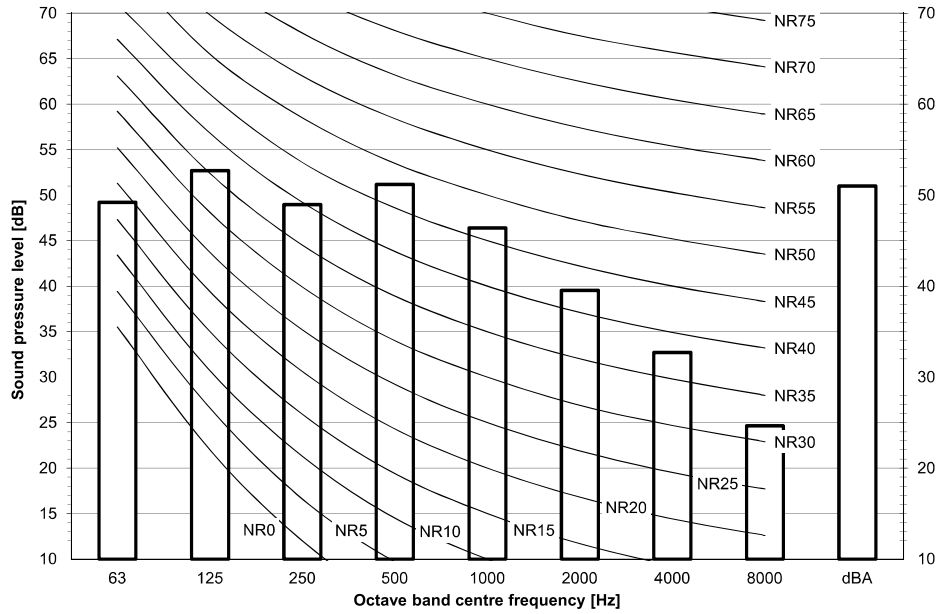
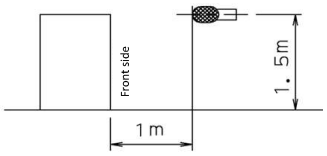
11 Sound data

11 - 2 Sound Pressure Spectrum

RXYSCQ4TV1



Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa



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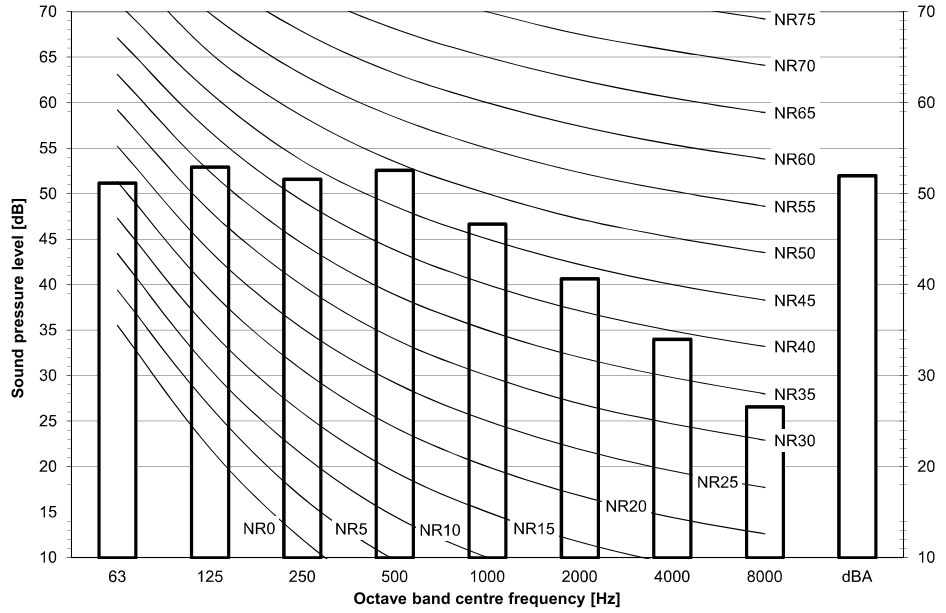
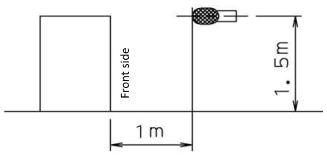
RXYSCQ5TV1



Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa



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