

Design Manual

RXYQ8-78BTL

RXYQ8-78BYD

Heat Pump 60 Hz

R-410A

VRV VI
Heat Pump



Model Name			RXYQ22BTL
Power supply			3 phase, 220 V, 60 Hz
★1 Cooling capacity	kcal/h		53,000
	Btu/h		210,000
	kW		61.5
★2 Heating capacity	kcal/h		59,000
	Btu/h		235,000
	kW		69.0
Casing color			Ivory white (5Y7.5/1)
Dimensions (H × W × D)		mm	1,660 × 1,750 × 765
Heat exchanger			Cross fin coil
Compressor	Type		Hermetically sealed scroll type
	Motor output × Number of units	kW	(7.0 × 1) + (7.3 × 1)
	Starting method		Soft start
Fan	Type		Propeller fan
	Motor output	kW	(0.95 × 2)
	Airflow rate	m³/min	430
		L/s	7,167
		cfm	15,179
	Drive		Direct drive
Connecting pipes	Liquid pipe	mm	φ15.9 C1220T (Brazing connection)
	Gas pipe	mm	φ28.6 C1220T (Brazing connection)
Mass		kg	385
★3 Sound pressure level (C/H)		dB(A)	67 / 67
Sound power level		dB	90
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector, Leak detecting device
Capacity control		%	5-100
Refrigerant	Refrigerant name		R-410A
	Charge	kg	11.7
	Control		Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes and Clamps
Drawing No.			3D152301A

Notes:

- ★1. Indoor temp.: 27°CDB, 19°CWB / Outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, Height difference: 0 m.
 ★2. Indoor temp.: 20°CDB, 15°CWB / Outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, Height 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.

Conversion formulae

kcal/h=kW×860
 Btu/h=kW×3412
 l/s=m³/min×1000/60
 cfm=m³/min×35.3