

# VRV IV heat pump for indoor installation

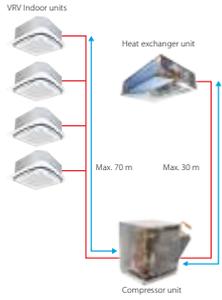
SB.RKXYQ-T



## The invisible VRV

- › Unique VRV heat pump for indoor installation
- › Unrivalled flexibility because the unit is split up into two elements: the heat exchanger and the compressor
- › Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator and full inverter compressors
- › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Bidle air cutains

# SB.RKXYQ-T

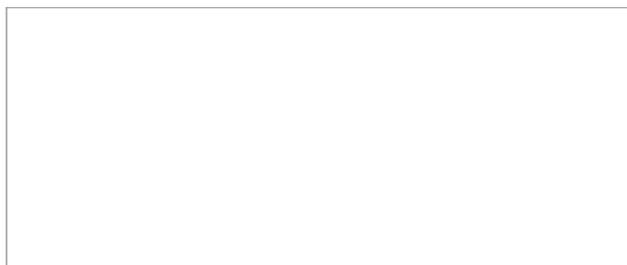


Outdoor system				SB.RKXYQ	5T	8T
System	Heat exchanger unit				RDXYQ5T	RDXYQ8T
	Compressor unit				RKXYQ5T	RKXYQ8T
Capacity range				HP	5	8
Cooling capacity	Nom.	35°CDB		kW	14.0 (1)	21.4 (1)
Heating capacity	Nom.	6°CWB		kW	14.0 (2)	21.4 (2)
	Max.	6°CWB		kW	16.0 (2)	25.0 (2)
Power input - 50Hz	Cooling	Nom.	35°CDB	kW	4.38 (1)	7.64 (1)
	Heating	Nom.	6°CWB	kW	3.68 (2)	5.94 (2)
		Max.	6°CWB	kW	4.71 (2)	7.60 (2)
EER	at nom. capacity		35°CDB		3.20	2.80
COP	at nom. capacity		6°CWB		3.80	3.60
	at max. capacity		6°CWB		3.40	3.29
Maximum number of connectable indoor units					10 (3)	17 (3)
Indoor index	Min.				62.5	100
	Max.				-	200
Fan	External static pressure Max.			Pa	150	260
	Nom.			Pa	60	
Operation range	Cooling	Min.~Max.		°CDB	-5~46	-5.0~46.0
	Heating	Min.~Max.		°CWB	-20~15.5	-20.0~15.5
	Temperature around casing	Min.		°CDB	5	
		Max.		°CDB	35	
Piping connections	Between Compressor module (CM) and heat exchanger module (HM)	Liquid	OD	mm		12.7
		Gas	OD	mm	19.1	22.2
	Between Compressor module (CM) and indoor units (IU)	Liquid	OD	mm	9.5	9.52
		Gas	OD	mm	15.9	19.1
	Total piping length	System	Actual	m	140 (4)	300 (4)

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. Data for standard efficiency series. Nominal air flow rate, ESP 30 Pa. (2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. Data for standard efficiency series. Nominal air flow rate, ESP 30 Pa. (3) Actual number of units depends on the indoor unit type (VRV DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤ 130%). (4) Refer to refrigerant pipe selection or installation manual | For detailed contents of standard accessories, see installation/operation manual | Contains fluorinated greenhouse gases

Outdoor unit module				Compressor module		Heat exchanger module		
				RKXYQ5T	RKXYQ8T	RDXYQ5T	RDXYQ8T	
Dimensions	Unit	Height/Width/Depth		mm	701/600/554	701/760/554	397/1,456/1,044	
Weight	Unit			kg	77	105	97	103
Fan	Air flow rate	Cooling	Nom.	m³/min	-	-	55	100
	Discharge direction						Discharge duct	
	Type						Centrifugal	
Sound power level	Cooling	Nom.		dB(A)	60	64	76	81
Sound pressure level	Cooling	Nom.		dB(A)	47	48	47	54
Refrigerant	Type				R-410A			
	GWP				2,087.5			
	Charge			TCO <sub>2</sub> eq	4.2	8.35	-	-
				kg	2	4.00	-	-
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415		1N~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	20	10	

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