

VRV IV heat pump for indoor installation

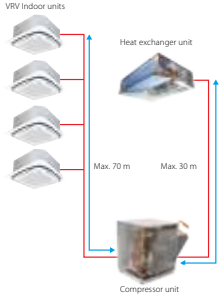
SB.RKXYQ-T



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

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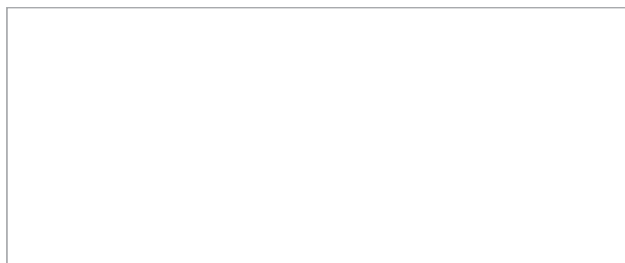


Outdoor system		SB.RKXYQ		5T	8T	
System	Heat exchanger unit			RDXYQ5T	RDXYQ8T	
	Compressor unit			RKXYQ5T	RKXYQ8T	
Capacity range			HP	5	8	
Cooling capacity	Nom.	35°CDB	kW	14.0 (1)	21.4 (1)	
Heating capacity	Nom.	6°CWB	kW	14.0 (2)	21.4 (2)	
	Max.	6°CWB	kW	16.0 (2)	25.0 (2)	
Power input - 50Hz	Cooling	Nom.	35°CDB	4.38 (1)	7.64 (1)	
	Heating	Nom.	6°CWB	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	
	Nom.			-	200	
connection	Max.			162.5	260	
Fan	External static pressure	Max.	Pa		150	
		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		
		Gas	OD	mm	19.1	
	Between Compressor module (CM) and indoor units (IU)	Liquid	OD	mm	9.5	
		Gas	OD	mm	15.9	
	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.	m ³ /min	-	55	100
	Discharge direction				-	Discharge duct	
	Type				-	Centrifugal	
Sound power level	Cooling	Nom.		dB(A)	60	64	76
Sound pressure level	Cooling	Nom.		dB(A)	47	48	47
Refrigerant	Type				R-410A		
	GWP				2,087.5		
	Charge		TCO ₂ 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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