

VRV IV heat pump, without continuous heating

RXYQ-T(8)



Daikin's solution for comfort & low energy consumption

- › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Bidle air curtains
- › Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- › Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor, ...

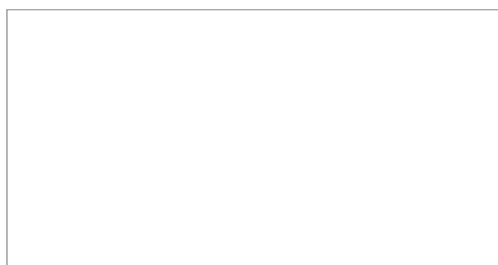
Outdoor unit				RXYQ	8T8	10T	12T	14T	16T	18T	20T
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Nom.	35°CDB		kW	22.4 (1)	28.0 (1)	33.5 (1)	40.0 (1)	45.0 (1)	50.4 (1)	56.0 (1)
Heating capacity	Nom./Max.	6°CWB		kW	22.4 (2)/ 25.0 (2)	28.0 (2)/ 31.5 (2)	33.5 (2)/ 37.5 (2)	40.0 (2)/ 45.0 (2)	45.0 (2)/ 50.0 (2)	50.4 (2)/ 56.5 (2)	56.0 (2)/ 63.0 (2)
Power input - 50Hz	Cooling	Nom.	35°CDB	kW	5.21 (1)	7.29 (1)	8.98 (1)	11.0 (1)	13.0 (1)	15.0 (1)	18.5 (1)
	Heating	Nom.	6°CWB	kW	4.75 (2)	6.29 (2)	7.77 (2)	9.52 (2)	11.1 (2)	12.6 (2)	14.5 (2)
		Max.	6°CWB	kW	5.51 (2)	7.38 (2)	9.10 (2)	11.2 (2)	12.8 (2)	14.6 (2)	17.0 (2)
EER at nom. capacity	35°CDB			kW/kW	4.30 (1)	3.84 (1)	3.73 (1)	3.64 (1)	3.46 (1)	3.36 (1)	3.03 (1)
COP at nom. capacity	6°CWB			kW/kW	4.72 (2)	4.45 (2)	4.31 (2)	4.20 (2)	4.05 (2)	4.00	3.86
COP at max. capacity	6°CWB			kW/kW	4.54 (2)	4.27 (2)	4.12 (2)	4.02 (2)	3.91 (2)	3.87	3.71
ESEER - Automatic					7.53	7.20	6.96	6.83	6.50	6.38	5.67
Maximum number of connectable indoor units					64 (3)						
Indoor index connection	Min.				100	125	150	175	200	225	250
	Nom.				200	250	300	350	400	450	500
	Max.				260	325	390	455	520	585	650
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765				1,685x1,240x765		
Weight	Unit			kg	187	194		305		314	
Fan	Air flow rate	Cooling	Nom.	m ³ /min	162	175	185	223	260	251	261
Sound power level	Cooling	Nom.		dBA	78	79	81		86		88
Sound pressure level	Cooling	Nom.		dBA	58		61		64	65	66
Operation range	Cooling	Min.~Max.		°CDB	-5~43						
	Heating	Min.~Max.		°CWB	-20~15.5						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO _{eq}	5.9 /12.3	6 /12.5	6.3 /13.2	10.3 /21.5	10.4 /21.7	11.7 /24.4	11.8 /24.6
Piping connections	Liquid/Gas	OD		mm	9.52/ 19.1	9.52/ 22.2	12.7/ 28.6		15.9/ 28.6		
	Total piping length	System	Actual	m	1,000 (4)						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

Outdoor unit				RXYQ	22T	24T8	26T	28T	30T	32T	34T	36T	38T8
System	Outdoor unit module 1			RXYQ10T	RXYQ8T8	RXYQ12T			RXYQ16T			RXYQ8T8	
	Outdoor unit module 2			RXYQ12T	RXYQ16T	RXYQ14T	RXYQ16T	RXYQ18T	RXYQ16T	RXYQ18T	RXYQ20T	RXYQ10T	
	Outdoor unit module 3												RXYQ20T
Capacity range				HP	22	24	26	28	30	32	34	36	38
Cooling capacity	Nom.	35°CDB		kW	61.5 (1)	67.4 (1)	73.5 (1)	78.5 (1)	83.9 (1)	90.0 (1)	95.4 (1)	101.0 (1)	106.3 (1)
Heating capacity	Nom./Max.	6°CWB		kW	61.5 (2)/ 69.0	67.4 (2)/ 75.0	73.5 (2)/ 82.5	78.5 (2)/ 87.5	83.9 (2)/ 94.0	90.0 (2)/ 100.0	95.4 (2)* 106.5	101.0 (2)	106.3 (2)
Power input - 50Hz	Cooling	Nom.	35°CDB	kW	16.27 (1)	18.2 (1)	20.0 (1)	22.0 (1)	24.0 (1)	26.0 (1)	28.0 (1)	31.5 (1)	29.2 (1)
	Heating	Nom.	6°CWB	kW	14.06 (2)	15.85 (2)	17.29 (2)	18.87 (2)	20.4 (2)	22.2 (2)	23.7 (2)	25.6 (2)	25.1 (2)
		Max.	6°CWB	kW	16.48	18.31	20.30	21.90	23.7	25.6	27.4	29.8	29.2
EER at nom. capacity	35°CDB			kW/kW	3.77 (1)	3.70 (1)	3.68 (1)	3.57 (1)	3.5 (1)	3.46 (1)	3.4 (1)	3.21 (1)	3.6 (1)
COP at nom. capacity	6°CWB			kW/kW	4.37	4.25		4.16	4.1	4.05	4.0	3.95	4.2
COP at max. capacity	6°CWB			kW/kW	4.19	4.10	4.06	4.00		3.91	3.9	3.79	4.1
ESEER - Automatic					7.07	6.81	6.89	6.69	6.60	6.50	6.44	6.02	6.36
Maximum number of connectable indoor units					64 (3)								
Indoor index connection	Min./Nom./Max.				275/550/715	300/600/780	325/650/845	350/700/910	375/750/975	400/800/1,040	425/850/1,105	450/900/1,170	475/950/1,235
Piping connections	Liquid/ Gas	OD		mm	15.9/ 28.6	15.9/ 34.9	19.1/ 34.9					19.1/ 41.3	
	Total piping length	System	Actual	m	1,000								
Current - 50Hz	Maximum fuse amps (MFA)			A	63				80			100	

Outdoor unit				RXYQ	40T	42T	44T	46T	48T	50T	52T	54T
System	Outdoor unit module 1			RXYQ10T	RXYQ12T	RXYQ14T	RXYQ16T			RXYQ18T		
	Outdoor unit module 2			RXYQ12T	RXYQ16T			RXYQ18T				
	Outdoor unit module 3			RXYQ18T	RXYQ16T							
Capacity range				HP	40	42	44	46	48	50	52	54
Cooling capacity	Nom.	35°CDB		kW	111.9 (1)	118.0 (1)	123.5 (1)	130.0 (1)	135.0 (1)	140.0 (1)	145.8 (1)	151.2 (1)
Heating capacity	Nom./Max.	6°CWB		kW	111.9 (2)/125.5	118.0 (2)/ 131.5	123.5 (2)/ 137.5	130.0 (2)/ 145.0	135.0 (2)/ 150.0	140.0 (2)/ 156.0	145.8 (2)/ 163.0	151.2 (2)/ 169.5
Power input - 50Hz	Cooling	Nom.	35°CDB	kW	31.3 (1)	33.3 (1)	35.0 (1)	37.0 (1)	39.0 (1)	40.7 (1)	43.0 (1)	45.0 (1)
	Heating	Nom.	6°CWB	kW	26.7 (2)	28.49 (2)	29.97 (2)	31.72 (2)	33.3 (2)	34.6 (2)	36.3 (2)	37.8 (2)
		Max.	6°CWB	kW	31.1	32.98	34.70	36.8	38.4	40.0	42.0	43.8
EER at nom. capacity	35°CDB			kW/kW	3.6 (1)	3.54 (1)		3.51 (1)	3.46 (1)	3.44 (1)	3.4 (1)	3.40 (1)
COP at nom. capacity	6°CWB			kW/kW	4.2	4.14	4.12	4.10	4.05			4.0
COP at max. capacity	6°CWB			kW/kW	4.0	3.99	3.96	3.94	3.91	3.90		
ESEER - Automatic					6.74	6.65	6.62	6.60	6.50	6.46	6.42	6.38
Maximum number of connectable indoor units					64 (3)							
Indoor index connection	Min.				500/1,000/1,300	525/1,050/1,365	550/1,100/1,430	575/1,150/1,495	600/1,200/1,560	625/1,250/1,625	650/1,300/1,690	675/1,350/1,755
Piping connections	Liquid/ Gas	OD		mm	19.1/ 41.3							
	Total piping length	System	Actual	m	1,000							
Current - 50Hz	Maximum fuse amps (MFA)			A	100				125			

(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 (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 (3) Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%) | For more details on operation range see TW drawing | Refer to refrigerant pipe selection or installation manual | The AUTOMATIC SEER value corresponds with normal VRV4 Heat Pump operation, taking into account advanced energy saving operation functionality (variable refrigerant temperature control operation) | Contains fluorinated greenhouse gases

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