



VRV IV heat pump, with continuous heating

RYYQ-T(8)



Daikin's optimum solution with top comfort

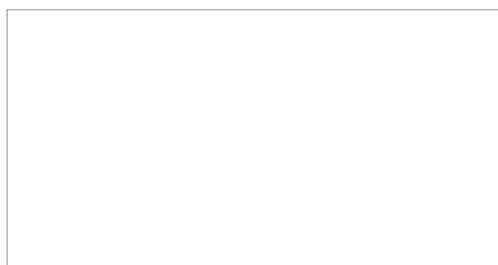
- › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Bidle air curtains
- › Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- › Incorporates VRV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

Outdoor system				RYYQ-T8/RYYQ-T	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.	6°CWB	kW	22.4 (2)	28.0 (2)	33.5 (2)	40.0 (2)	45.0 (2)	50.4 (2)	56.0 (2)		
	Max.	6°CWB	kW	25.0 (2)	31.5 (2)	37.5 (2)	45.0 (2)	50.0 (2)	56.5 (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	243	252			356		391		
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	OD	mm	9.52			12.7			15.9		
	Gas	OD	mm	19.1	22.2			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 system				RYYQ-T8/RYYQ-T	22T	24T	26T	28T	30T	32T	34T	36T	38T	40T	42T	44T	46T	48T	50T	52T	54T	
System	Outdoor unit module 1			RYYMQ10T	RYYMQ8T		RYYMQ12T		RYYMQ16T	RYYMQ8T	RYYMQ10T	RYYMQ12T	RYYMQ16T	RYYMQ18T								
	Outdoor unit module 2			RYYMQ12T	RYYMQ16T	RYYMQ14T	RYYMQ18T	RYYMQ16T	RXYQ18T	RYYMQ20T	RYYMQ10T	RYYMQ12T	RYYMQ16T			RYYMQ18T						
	Outdoor unit module 3											RYYMQ20T	RYYMQ18T	RYYMQ16T			RYYMQ18T					
Capacity range				HP	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	
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)	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.	6°CWB	kW	61.5 (2)	67.4 (2)	73.5 (2)	78.5 (2)	83.9 (2)	90.0 (2)	95.4 (2)	101.0 (2)	106.3 (2)	111.9 (2)	118.0 (2)	123.5 (2)	130.0 (2)	135.0 (2)	140.0 (2)	145.8 (2)	151.2 (2)		
	Max.	6°CWB	kW	69.0	75.0	82.5	87.5	94.0	100.0	106.5	113.0	119.0	125.5	131.5	137.5	145.0	150.0	156.0	163.0	169.5		
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)	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	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)	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	16.48	18.31	20.30	21.90	23.7	25.6	27.4	29.8	29.2	31.1	32.98	34.70	36.8	38.4	40.0	42.0	43.8	
EER at nom. capacity	35°CDB		kW/kW	3.77 (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)	3.6 (1)	3.54 (1)	3.51 (1)	3.46 (1)	3.44 (1)	3.4 (1)	3.4 (1)	3.4 (1)		
COP at nom. capacity	6°CWB		kW/kW	4.37	4.25	4.25	4.16	4.1	4.05	4.0	3.95	4.2	4.2	4.14	4.12	4.10	4.05					
COP at max. capacity	6°CWB		kW/kW	4.19	4.10	4.06	4.00	3.91	3.9	3.79	4.1	4.0	3.99	3.96	3.94	3.91						
ESEER - Automatic					7.07	6.81	6.89	6.69	6.60	6.50	6.44	6.02	6.36	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.			275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675		
	Nom.			550	600	650	700	750	800	850	900	950	1,000	1,050	1,100	1,150	1,200	1,250	1,300	1,350		
	Max.			715	780	845	910	975	1,040	1,105	1,170	1,235	1,300	1,365	1,430	1,495	1,560	1,625	1,690	1,755		
Piping connections	Liquid	OD	mm	15.9			19.1			19.1			19.1									
	Gas	OD	mm	28.6	34.9			41.3			41.3											
	Total piping length	System Actual	m	1,000								1,000				1,000						
Current - 50Hz	Maximum fuse amps (MFA)		A	63				80				100				125						

Outdoor unit module				RYYMQ	10T	12T	14T	16T	18T	20T	8T	
Dimensions	Unit	Height/Width/Depth	mm	1,685/930/765			1,685/1,240/765			1,685/930/765		
Weight	Unit		kg	195			309			319		188
Fan	Air flow rate	Cooling Nom.	m ³ /min	175	185	223	260	251	261	162		
	External static pressure	Max.	Pa	78								
	Discharge direction	Type		Vertical Propeller fan								
Sound power level	Cooling	Nom.	dBA	79		81		86		88	78	
Sound pressure level	Cooling	Nom.	dBA	58		61		64	65	66	58	
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}	6 /12.5	6.3 /13.2	10.3 / 21.5	10.4 /21.7	11.7 /24.4	11.8 /24.6	5.9 /12.3		
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415								
Current - 50Hz	Maximum fuse amps (MFA)		A	25	32			40		50	20	

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