



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 Biddle 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	
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	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				RYMQ10T	RYMQ8T	RYMQ12T		RYMQ16T		RYMQ8T	RYMQ10T	RYMQ12T	RYMQ16T		RYMQ18T					
	Outdoor unit module 2				RYMQ12T	RYMQ16T	RYMQ14T	RYMQ18T	RYMQ16T	RXYQ18T	RYMQ20T	RYMQ10T	RYMQ12T	RYMQ16T		RYMQ18T					
	Outdoor unit module 3				-							RYMQ20T		RYMQ18T							
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)
		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)	3.40 (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	4.0			
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	3.90				
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		41.3		19.1								
	Gas	OD		mm	28.6	34.9				41.3		41.3									
	Total piping length			System Actual	1,000							1,000									
Current - 50Hz	Maximum fuse amps (MFA)			A	63				80				100				125				

Outdoor unit module				RYMQ	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				Vertical						
Type				Propeller fan							
Sound power level	Cooling	Nom.		dBA	79		81		86		78
Sound pressure level	Cooling	Nom.		dBA	58		61		65		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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