



VRV IV heat pump, with continuous heating

RYYQ-T



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

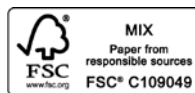
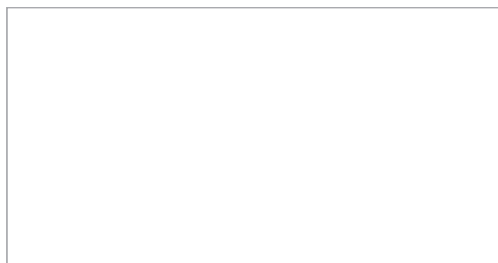
Outdoor system				RYYQ	8T	10T	12T	14T	16T	18T	20T	
Capacity range				HP	8	10	12	14	16	18	20	
Cooling capacity		Nom.	KW	22.4 (1) / 22.4 (2)	28.0 (1) / 28.0 (2)	33.5 (1) / 33.5 (2)	40.0 (1) / 40.0 (2)	45.0 (1) / 45.0 (2)	50.4 (1)	56.0 (1)		
Heating capacity		Nom.	KW	22.4 (3) / 22.40 (4)	28.0 (3) / 28.00 (4)	33.5 (3) / 33.50 (4)	40.0 (3) / 40.0 (4)	45.0 (3) / 45.0 (4)	50.4 (3)	56.0 (3)		
		Max.	KW	25.0 (3)	31.5 (3)	37.5 (3)	45.0 (3)	50.0 (3)	56.5 (3)	63.0 (3)		
Power input - 50Hz		Cooling	Nom.	KW	5.21 (1) / 4.47 (2)	7.29 (1) / 6.32 (2)	8.98 (1) / 8.09 (2)	11.0 (1) / 9.88 (2)	13.0 (1) / 12.10 (2)	15.0 (1)	18.5 (1)	
		Heating	Nom.	KW	4.75 (3) / 4.47 (4)	6.29 (3) / 5.47 (4)	7.77 (3) / 6.59 (4)	9.52 (3) / 9.30 (4)	11.1 (3) / 9.8 (4)	12.6 (3)	14.5 (3)	
			Max.	KW	5.51 (3)	7.38 (3)	9.10 (3)	11.2 (3)	12.8 (3)	14.6 (3)	17.0 (3)	
EER					4.30 (1) / 5.01 (2)	3.84 (1) / 4.43 (2)	3.73 (1) / 4.14 (2)	3.64 (1) / 4.05 (2)	3.46 (1) / 3.73 (2)	3.36 (1)	3.03 (1)	
ESEER - Automatic					7.53	7.20	6.96	6.83	6.50	6.38	5.67	
ESEER - Standard					6.37	5.67	5.50	5.31	5.05	4.97	4.42	
COP - Max.					4.54 (3)	4.27 (3)	4.12 (3)	4.02 (3)	3.91 (3)	3.87	3.71	
COP - Nom.					4.72 (3) / 5.01 (4)	4.45 (3) / 5.12 (4)	4.31 (3) / 5.08 (4)	4.20 (3) / 4.30 (4)	4.05 (3) / 4.59 (4)	4.00	3.86	
Maximum number of connectable indoor units					64 (5)							
Indoor index connection		Min./Nom./Max.			100/200/260	125/250/325	150/300/390	175/350/455	200/400/520	225/450/585	250/500/650	
Dimensions		Unit	HeightxWidthxDepth	mm	1,685x930x765				1,685x1,240x765			
Weight		Unit		kg	243	252	261	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	81	86	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 ₂ 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							
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	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	RYMQ14T	RYMQ16T		RYMQ16T	RYMQ18T	RYMQ18T		
		Outdoor unit module 2		RYMQ12T	RYMQ16T	RYMQ14T	RYMQ16T	RYMQ18T	RYMQ16T	RXYQ18T	RYMQ20T	RYMQ10T	RYMQ12T	RYMQ16T			RYMQ18T					
		Outdoor unit module 3											RYMQ20T	RYMQ18T	RYMQ16T			RYMQ18T				
Capacity range				HP	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	
Cooling capacity Nom.				KW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	101.0	106.3	111.9	118.0	123.5	130.0	135.0	140.0	145.8	151.2	
Heating capacity				Nom.	KW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	101.0	106.3	111.9	118.0	123.5	130.0	135.0	140.0	145.8	151.2
				Max.	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	156.0	163.0	169.5	
Power input - 50Hz		Cooling	Nom.	KW	16.27	18.2	20.0	22.0	24.0	26.0	28.0	31.5	29.2	31.3	33.3	35.0	37.0	39.0	40.7	43.0	45.0	
		Heating	Nom.	KW	14.06	15.85	17.29	18.87	20.4	22.2	23.7	25.6	25.1	26.7	28.49	29.97	31.72	33.3	34.6	36.3	37.8	
			Max.	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					3.77	3.70	3.68	3.57	3.5	3.46	3.4	3.21	3.6	3.54	3.51	3.46	3.44	3.4	3.40			
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	
ESEER - Standard					5.58	5.42	5.39	5.23	5.17	5.05	5.01	4.68	5.03	5.29	5.19	5.17	5.13	5.05	5.02	4.99	4.97	
COP - Max.					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				
COP - Nom.					4.37	4.25	4.16	4.1	4.05	4.0	3.95	4.2	4.14	4.12	4.10	4.05	4.0					
Maximum number of connectable indoor units					64																	
Indoor index connection		Min./Nom./Max.			275/550/775	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	500/1,000/1,300	525/1,050/1,365	550/1,100/1,490	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	OD	mm	15.9			34.9			19.1			41.3								
		Gas	OD	mm	28.6	34.9			41.3			1,000										
		Total piping length	System	Actual	1,000																	
Current - 50Hz		Maximum fuse amps (MFA)		A	63			80			100			125								

Outdoor unit module				RYMQ	8T	10T	12T	14T	16T	18T	20T	
Dimensions		Unit	Height/Width/Depth	mm	1,685/930/765				1,685/1,240/765			
Weight		Unit		kg	188	195	201	309	319			
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	81	86	86	88	
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Operation range		Cooling	Min.-Max.	°CDB	-5~43							
		Heating	Min.-Max.	°CWB	-20~-15.5							
Refrigerant		Type			R-410A							
		Charge		kg	5.9	6	6.3	10.3	10.4	11.7	11.8	
				TCO ₂ eq	12.3	12.5	13.2	21.5	21.7	24.4	24.6	
		GWP			2,087.5							
Power supply		Phase/Frequency/Voltage		Hz/V	3N~/50/380-415							
Current - 50Hz		Maximum fuse amps (MFA)		A	20	25	32	40	50			

(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 cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. Data for high efficiency series, Eurovent certified (3) 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 (4) 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 high efficiency series, Eurovent certified (5) 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%) | Contains fluorinated greenhouse gases

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ECPEN15-231 03/15



Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU), Fan coil units (FCU) and variable refrigerant flow systems (VRF) Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com



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