



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

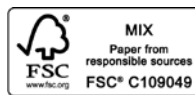
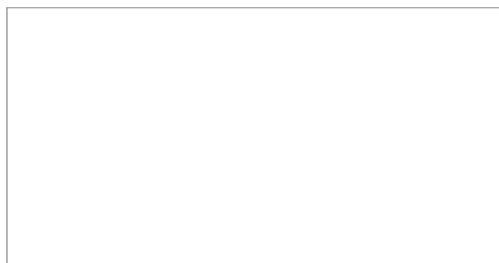
Outdoor system				RYYQ	8T	10T	12T	14T	16T	18T	20T	
Capacity range				HP	8	10	12	14	16	18	20	
Cooling capacity	Nom.	KW		22.4 (1) / 22.4 (2)	28.0 (1) / 28.0 (2)	33.5 (1) / 33.5 (2)	40.0 (1) / 40.0 (2)	45.0 (1) / 45.0 (2)	50.4 (1)	56.0 (1)		
		KW		22.4 (3) / 22.40 (4)	28.0 (3) / 28.00 (4)	33.5 (3) / 33.50 (4)	40.0 (3) / 40.0 (4)	45.0 (3) / 45.0 (4)	50.4 (3)	56.0 (3)		
Heating capacity	Nom.	KW		25.0 (3)	31.5 (3)	37.5 (3)	45.0 (3)	50.0 (3)	56.5 (3)	63.0 (3)		
		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)
				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)
Heating	Nom.	KW		5.51 (3)	7.38 (3)	9.10 (3)	11.2 (3)	12.8 (3)	14.6 (3)	17.0 (3)		
		KW		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)		
EER					7.53	7.20	6.96	6.83	6.50	6.38	5.67	
ESEER - Automatic					6.37	5.67	5.50	5.31	5.05	4.97	4.42	
ESEER - Standard					4.54 (3)	4.27 (3)	4.12 (3)	4.02 (3)	3.91 (3)	3.87	3.71	
COP - Max.					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	
COP - Nom.					64 (5)							
Maximum number of connectable indoor units					100/200/260	125/250/325	150/300/390	175/350/455	200/400/520	225/450/585	250/500/650	
Indoor index connection Min./Nom./Max.					1,685x930x765							
Dimensions Unit HeightxWidthxDepth mm					1,685x1,240x765							
Weight Unit kg					243	252	261	273	286	299	311	
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 m					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			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	
		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.	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
			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
			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	400/800/1040	425/850/1105	450/900/1170	475/950/1235	500/1000/1300	525/1050/1365	550/1100/1490	575/1150/1495	600/1200/1560	625/1250/1625	650/1300/1690	675/1350/1755
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 m					1,000							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						
Weight Unit kg					188	195	201	213	226	239	251
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					R-410A						
Charge kg					5.9	6	6.3	10.3	10.4	11.7	11.8
GWP TCO ₂ eq					12.3	12.5	13.2	21.5	21.7	24.4	24.6
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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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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