

Replacement VRV

RQYQ-P / RXYQQ-T



Quick & quality replacement for R-22 and R-407C systems

- › Cost effective and fast replacement as only the outdoor and indoor unit needs to be replaced, meaning almost no work has to be carried out inside the building
- › Efficiency gains of more than 70% can be realized, by virtue of technological developments in heat pump technology and the more efficient R-410A refrigerant
- › Less intrusive and time consuming installation compared to installing a new system, as the refrigerant piping can be maintained
- › Unique automatic refrigerant charge eliminates the need to calculate refrigerant volume and allows safe replacement of competitor replacement
- › Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors (for RXYQQ-T only)

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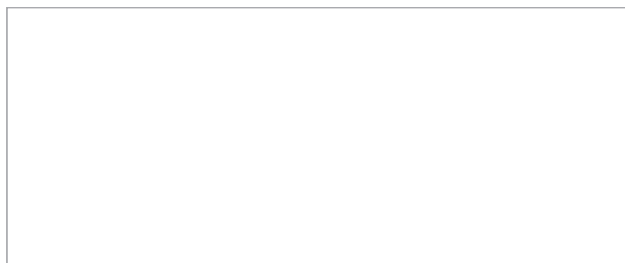
RXYQQ8-12T

Outdoor unit		RXYQQ	RQYQ140P	8T	10T	12T	14T	16T	18T	20T		
System	Outdoor unit module 1	-										
	Outdoor unit module 2	-										
Capacity range		HP	5	8	10	12	14	16	18	20		
Cooling capacity	Nom.	KW	14.0	22.4	28.0	33.5	40.0	45.0	50.4	56.0		
Heating capacity	Nom.	KW	16.0	22.4	28.0	33.5	40.00	45.0	50.4	56.0		
	Max.	KW	-	25.00	31.50	37.50	45.00	50.00	56.50	63.00		
Power input - 50Hz	Cooling	Nom.	KW	3.36	5.21	7.29	8.98	11.0	13.0	15.0	18.5	
	Heating	Nom.	KW	3.91	4.75	6.29	7.77	9.52	11.1	12.6	14.50	
		Max.	KW	-	5.5	7.38	9.1	11.2	12.8	14.6	17.0	
EER			4.17	4.30	3.84	3.73	3.64	3.46	3.36	3.03		
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			4.09									
COP - Max.			-	4.54	4.27	4.12	4.02	3.91	3.87	3.71		
COP - Nom.			-	4.72	4.45	4.31	4.20	4.05	4.00	3.86		
Maximum number of connectable indoor units			10	64 (1)								
Indoor index connection	Min./Nom./Max.		62.5/125/162.5	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	1,680x635x765			1,685x930x765		1,685x1,240x765			
Weight	Unit		kg	175	187	194		305		314		
Fan	Air flow rate	Cooling	Nom.	m ³ /min	95	162	175	185	223	260	251	261
Sound power level	Cooling	Nom.	dB(A)	-	78	79	81		86		88	
Sound pressure level	Cooling	Nom.	dB(A)	54.0	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	11.1/ 23.2	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	9.52		12.7		15.9			
	Gas	OD	mm	15.9	19.1	22.2	28.6					
	Total piping length	System	Actual	m	300							
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415			3N~/50/380-415					
Current - 50Hz	Maximum fuse amps (MFA)	A	15	20	25	32		40		50		

Outdoor unit		RXYQQ	22T	24T	26T	28T	30T	32T	34T	36T	38T	40T	42T	
System	Outdoor unit module 1		RXYQQ10T	RXYQQ8T	RXYQQ12T			RXYQQ16T			RXYQQ8T	RXYQQ10T	RXYQQ10T	
	Outdoor unit module 2		RXYQQ12T	RXYQQ16T	RXYQQ14T	RXYQQ16T	RXYQQ18T	RXYQQ16T	RXYQQ18T	RXYQQ20T	RXYQQ10T	RXYQQ12T	RXYQQ16T	
	Outdoor unit module 3		-								RXYQQ20T	RXYQQ18T	RXYQQ16T	
Capacity range		HP	22	24	26	28	30	32	34	36	38	40	42	
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	
Heating capacity	Nom.	KW	69.0	75.0	82.5	87.5	83.9	100.0	95.4	113.0	106.3	111.9	131.5	
	Max.	KW	-	-	-	-	94.0	-	106.5	-	119.0	125.5	-	
Power input - 50Hz	Cooling	Nom.	KW	16.27	18.21	19.98	21.98	24.0	26.0	28.0	31.5	29.2	31.3	33.29
	Heating	Nom.	KW	16.48	18.31	20.30	21.90	20.4	25.6	23.7	29.8	25.1	26.7	32.98
		Max.	KW	-	-	-	23.7	-	27.4	-	29.2	31.1	-	
EER			3.78	3.70	3.68	3.57	3.5		3.4	3.2	3.6		3.54	
ESEER - Automatic			7.07	6.81	6.89	6.69	6.60	6.50	6.44	6.02	6.36	6.74	6.65	
ESEER - Standard			5.58	5.42	5.39	5.23	5.17	5.05	5.01	4.68	5.03	5.29	5.19	
COP - Max.			4.19	4.10	4.06	4.00		3.91	3.90	3.79	4.1	4.0	3.99	
COP - Nom.			4.37	4.25		4.16	4.10	4.05	4.00	3.95	4.2		4.14	
Maximum number of connectable indoor units			64											
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	500/1,000/1,300	525/1,050/1,365	
Piping connections	Liquid	OD	mm	15.9			19.1			41.3				
	Gas	OD	mm	28.6			34.9			41.3				
	Total piping length	System	Actual	m	300									
Current - 50Hz	Maximum fuse amps (MFA)	A	63				80				100			

The STANDARD ESEER value corresponds with normal VRV4 Heat Pump operation, not taking into account advanced energy saving operation functionality | The AUTOMATIC SEER value corresponds with normal VRV4 Heat Pump operation, taking into account advanced energy saving operation functionality (variable refrigerant temperature control operation) | 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 | Not Eurovent certified

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



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