

VRV IV+ heat recovery

Best efficiency & comfort solution

- › Fully integrated solution with heat recovery for maximum efficiency with COPs of up to 8!
- › 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
- › „Free“ heating and hot water production provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- › The perfect personal comfort for guests/tenants via simultaneous cooling and heating
- › 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 unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.
- › Free combination of outdoor units to meet installation space or efficiency requirements
- › Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 1,000m
- › Possibility to extend the operation range in cooling down to -20°C for technical cooling operation such as server rooms
- › Contains all standard VRV features

LOOP
BY DAIKIN



Already fully compliant
to LOT 21 - Tier 2

**Published data with
real-life indoor units**

Outdoor unit				REYQ	8U	10U	12U	14U	16U	18U	20U
Capacity range			HP		8	10	12	14	16	18	20
Cooling capacity	Prated,c		kW		22.4	28.0	33.5	40.0	45.0	50.4	52.0
Heating capacity	Prated,h		kW		22.4	28.0	33.5	40.0	45.0	50.4	56.0
	Max.	6°CWB	kW		25.0	31.5	37.5	45.0	50.0	56.5	63.0
Recommended combination					4x FXFQ50AVEB	4x FXFQ63AVEB	6x FXFQ50AVEB	1x FXFQ50AVEB + 5x FXFQ63AVEB	4x FXFQ63AVEB + 2x FXFQ80AVEB	3x FXFQ50AVEB + 5x FXFQ63AVEB	2x FXFQ50AVEB + 6x FXFQ63AVEB
ηs,c			%		286.1	264.8	257.0	255.8	243.1	250.6	246.7
ηs,h			%		165.1	169.7	183.8	168.3	167.5	172.5	162.7
SEER					7.2	6.7	6.5		6.2	6.3	6.2
SCOP					4.2	4.3	4.7	4.3		4.4	4.1
Maximum number of connectable indoor units					64 (1)						
Indoor index connection	Min.				100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Nom.							-			
	Max.				260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765				1,685x1,240x765			
Weight	Unit		kg	230				314		317	
Sound power level	Cooling	Nom.	dB(A)	78.0	79.1	83.4	80.9	85.6	83.8	87.9	
	Heating	Prated,h	dB(A)	79.6	80.9	83.5	83.9	86.9	85.3	89.8	
Sound pressure level	Cooling	Nom.	dB(A)	57.0		61.0	60.0	63.0	62.0	65.0	
Operation range	Cooling	Min.~Max.	°CDB	-5.0 ~43.0							
	Heating	Min.~Max.	°CWB	-20.0 ~15.5							
Refrigerant	Type/GWP			R-410A/2,087.5							
Piping connections	Charge		kg/TCO2Eq	9.7/20.2	9.8/20.5	9.9/20.7	11.8/24.6				
	Liquid	OD	mm	9.52		12.7			15.9		
	Gas	OD	mm	19.1	22.2	28.6					
	HP/LP	OD	mm	15.9	19.1		22.2			28.6	
	gas										
Total piping System		Actual length	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 unit system			REYQ	10U	13U	16U	18U	20U	22U	24U	26U	28U	30U	32U
System	Outdoor unit module 1			REMQ5U		REYQ8U		REYQ10U		REYQ8U	REYQ12U		REYQ12U	REYQ16U
	Outdoor unit module 2			REMQ5U	REYQ8U	REYQ10U	REYQ12U	REYQ16U	REYQ14U	REYQ16U	REYQ14U	REYQ18U	REYQ16U	
Capacity range		HP		10	13	16	18	20	22	24	26	28	30	32
Cooling capacity	Prated,c	kW		28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	83.9	90.0
Heating capacity	Prated,h	kW		28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	83.9	90.0
	Max.	6°CWB	kW	32.0	41.0	50.0	56.5	62.5	69.0	75.0	82.5	87.5	94.0	100.0
Recommended combination				4x FXFQ63AVEB	3x FXFQ50AVEB + 3x FXFQ63AVEB	4x FXFQ63AVEB + 2x FXFQ80AVEB	4x FXFQ50AVEB + 4x FXFQ63AVEB	10x FXFQ50AVEB	6x FXFQ50AVEB + 4x FXFQ63AVEB	4x FXFQ50AVEB + 4x FXFQ63AVEB + 2x FXFQ80AVEB	7x FXFQ50AVEB + 5x FXFQ63AVEB	6x FXFQ50AVEB + 4x FXFQ63AVEB	9x FXFQ50AVEB + 5x FXFQ63AVEB	8x FXFQ63AVEB + 4x FXFQ80AVEB
ηs,c			%	275.1	301.3	288.6	272.9	266.0	260.4	257.7	257.5	251.9	266.8	243.1
ηs,h			%	158.8	160.6	168.2	167.9	175.7	178.5	167.6	175.5	174.8	179.4	169.1
SEER				7.0	7.6	7.3	6.9	6.7	6.6	6.5		6.4	6.7	6.2
SCOP				4.0	4.1	4.3		4.5		4.3	4.5	4.4	4.6	4.3
Maximum number of connectable indoor units					64 (1)									
Indoor index connection	Min.			125.0	163.0	200.0	225.0	250.0	275.0	300.0	325.0	350.0	375.0	400.0
	Nom.													
	Max.			325.0	423.0	520.0	585.0	650.0	715.0	780.0	845.0	910.0	975.0	1,040.0
Piping connections	Liquid	OD	mm	9.52	12.7		15.9			19.1				
	Gas	OD	mm	22.2	28.6			34.9						
	HP/LP	OD	mm	19.1		22.2		28.6						
	gas													
	Total piping System		Actual length	m	500				1,000					
Power supply	Phase/Frequency/Voltage	Hz/V		3N~/50/380-415										
Current - 50Hz	Maximum fuse amps (MFA)	A		40			50		63		80			

More details and final information
can be found by scanning or
clicking the QR codes.



REYQ-U



REYQ10,13,16,18,20,22U



Outdoor unit system			REYQ	34U	36U	38U	40U	42U	44U	46U	48U	50U	52U	54U	
System	Outdoor unit module 1			REYQ16U		REYQ8U	REYQ10U		REYQ12U	REYQ14U	REYQ16U		REYQ18U		
	Outdoor unit module 2			REYQ18U	REYQ20U	REYQ12U		REYQ16U				REYQ18U			
	Outdoor unit module 3			-		REYQ18U		REYQ16U				REYQ18U			
Capacity range			HP	34	36	38	40	42	44	46	48	50	52	54	
Cooling capacity	Prated,c		kW	95.4	97.0	106.3	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2	
Heating capacity	Prated,h		kW	95.4	101.0	106.4	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2	
	Max.	6°CWB	kW	106.5	113.0	119.0	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5	
Recommended combination				3x FXFQ50AVEB + 9x FXFQ63AVEB + 2x FXFQ80AVEB		6x FXFQ50AVEB + 10x FXFQ63AVEB		9x FXFQ50AVEB + 9x FXFQ63AVEB		12x FXFQ63AVEB + 4x FXFQ80AVEB		6x FXFQ50AVEB + 8x FXFQ63AVEB + 4x FXFQ80AVEB		1x FXFQ50AVEB + 13x FXFQ63AVEB + 6x FXFQ80AVEB	
				3x FXFQ50AVEB + 9x FXFQ63AVEB + 2x FXFQ80AVEB		6x FXFQ50AVEB + 10x FXFQ63AVEB		9x FXFQ50AVEB + 9x FXFQ63AVEB		12x FXFQ63AVEB + 4x FXFQ80AVEB		6x FXFQ50AVEB + 8x FXFQ63AVEB + 4x FXFQ80AVEB		1x FXFQ50AVEB + 13x FXFQ63AVEB + 6x FXFQ80AVEB	
ηs,c			%	259.2	255.3	269.2	259.6	250.2	249.3	246.8	243.1	254.4	265.7	275.2	
ηs,h			%	172.0	166.3	176.0	176.1	167.8	171.9	168.8	168.5	170.3	171.7	173.3	
SEER				6.6	6.5	6.8	6.6	6.3		6.2		6.4	6.7	7.0	
SCOP				4.4	4.2	4.5		4.3	4.4	4.3		4.4			
Maximum number of connectable indoor units				64 (1)											
Indoor index connection	Min.			425.0	450.0	475.0	500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0	
	Nom.			-											
	Max.			1,105.0	1,170.0	1,235.0	1,300.0	1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0	
Piping connections	Liquid	OD	mm	19.1											
	Gas	OD	mm	34.9	41.3										
	HP/LP gas	OD	mm	28.6		34.9									
	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	80		100				125					
Outdoor unit module			REMQR	5U											
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765											
Weight	Unit		kg	230											
Fan	External static pressure	Max.	Pa	78											
Sound power level	Cooling	Nom.	dBA	78.0											
Sound pressure level	Cooling	Nom.	dBA	57.0											
Operation range	Cooling	Min.~Max.	°CDB	-5.0 ~43.0											
	Heating	Min.~Max.	°CWB	-20.0 ~15.5											
Refrigerant	Type/GWP			R-410A/2,087.5											
	Charge		kg/TCO2Eq	9.7/20.2											
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415											
Current - 50Hz	Maximum fuse amps (MFA)		A	20											

(1) Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system (50% ≤ CR ≤ 120%)

Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system (50% ≤ CR ≤ 120%) | Contains fluorinated greenhouse gases

* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland