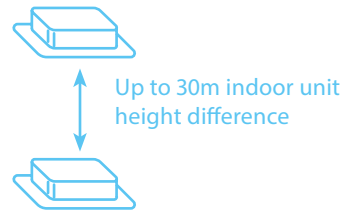


# VRV IV+ heat recovery

## 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



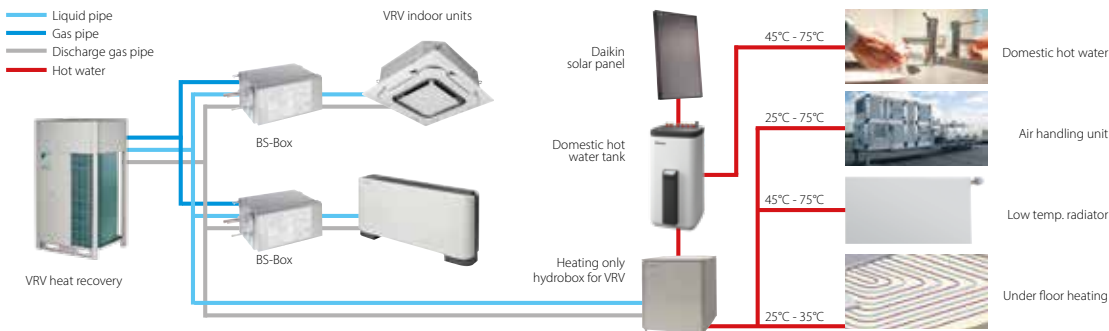
Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Access all technical information on REYQ-U at [my.daikin.eu](http://my.daikin.eu) or click here

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	13.7	16.0	18.4	20.6	23.2	27.9	31.0			
	Max. 6°CWB	kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0			
Recommended combination			4xXFQ50AVEB	4xXFQ63AVEB	6xXFQ50AVEB	1xXFQ50AVEB + 5xXFQ63AVEB	4xXFQ63AVEB + 1xXFQ80AVEB	3xXFQ50AVEB + 5xXFQ63AVEB	2xXFQ50AVEB + 6xXFQ63AVEB			
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	6.5	6.2	6.3	6.2			
SCOP			4.2	4.3	4.7	4.3	4.3	4.4	4.1			
Maximum number of connectable indoor units						64						
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	230	230	314	314	317	317
Sound power level	Cooling	Nom.	dBA			78.0	79.1	83.4	80.9	85.6	83.8	87.9
	Sound pressure level	Cooling	dBA			57.0	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			
HP/LP gas OD	mm	19.1		22.2		28.6			28.6			
	mm	15.9		19.1		22.2			28.6			
Total piping length	System	m	1,000									
	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 unit System		REYQ	10U	13U	16U	18U	20U	22U	24U	26U	28U	30U	32U	
System	Outdoor unit module 1		REMQ5U		REYQ8U		REYQ10U		REYQ8U		REYQ12U		REYQ16U	
	Outdoor unit module 2		REMQ5U	REYQ8U	REYQ10U	REYQ12U	REYQ16U	REYQ14U	REYQ16U	REYQ18U	REYQ18U	REYQ16U	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	16.0	21.7	23.2	27.9	31.0	34.4	36.9	37.1	39.7	44.4	46.4	
	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			4xXFQ63AVEB	3xXFQ50AVEB + 3xXFQ63AVEB	4xXFQ63AVEB + 2xXFQ80AVEB	4xXFQ50AVEB + 4xXFQ63AVEB	10xXFQ50AVEB	6xXFQ50AVEB + 4xXFQ63AVEB	4xXFQ50AVEB + 4xXFQ63AVEB + 2xXFQ80AVEB	7xXFQ50AVEB + 5xXFQ63AVEB	6xXFQ50AVEB + 4xXFQ63AVEB + 2xXFQ80AVEB	9xXFQ50AVEB + 5xXFQ63AVEB	8xXFQ63AVEB + 4xXFQ80AVEB	
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	6,5	6,4	6,7	6,2	
SCOP			4,0	4,1	4,3	4,3	4,5	4,5	4,3	4,5	4,4	4,6	4,3	
Maximum number of connectable indoor units			64											
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 gas OD	mm	19.1		22.2		28.6			28.6					
	mm	19.1		22.2		28.6			28.6					
Total piping length	System	m	500											
	Actual	m	1,000											
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415											
Current - 50Hz	Maximum fuse amps (MFA)	A	40			50			63			80		



Outdoor unit System + Module		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		-		REYQ18T		REYQ16T						REYQ18T	
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	51.1	54.2	58.1	58.9	60.9	62.9	67.0	69.6	74.3	79.0	83.7	
	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 FXFQ30AVEB +9x FXFQ3AVEB +2x FXFQ8AVEB	2x FXFQ30AVEB +10x FXFQ3AVEB +2x FXFQ8AVEB	6x FXFQ30AVEB +10x FXFQ3AVEB	9x FXFQ30AVEB +9x FXFQ3AVEB	12x FXFQ3AVEB +4x FXFQ8AVEB	6x FXFQ30AVEB +8x FXFQ3AVEB +4x FXFQ8AVEB	1x FXFQ30AVEB +13x FXFQ3AVEB +4x FXFQ8AVEB	12x FXFQ3AVEB +6x FXFQ8AVEB	3x FXFQ30AVEB +13x FXFQ3AVEB +4x FXFQ8AVEB	6x FXFQ30AVEB +14x FXFQ3AVEB +2x FXFQ8AVEB	9x FXFQ30AVEB +15x FXFQ3AVEB	
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	6,3	6,2	6,2	6,4	6,7	7,0	
SCOP			4,4	4,2	4,5	4,5	4,3	4,4	4,3	4,3	4,3	4,4	4,4	
Maximum number of connectable indoor units			64											
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									19.1			
	Gas	OD	34.9								41.3			
	HP/LP gas	OD	28.6								34.9			
	Total piping length	System Actual									1,000			
Power supply	Phase/Frequency/Voltage		3N~/50/380-415											
Current - 50Hz	Maximum fuse amps (MFA)		80								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/CO2Eq											
			9.7/20.2											
Power supply	Phase/Frequency/Voltage		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%)