



# VRV IV+ Heat Recovery

## Three revolutionary features

### 1. Variable Refrigerant Temperature

Customise your VRV for best seasonal efficiency and comfort:

- › Revolutionary variable refrigerant temperature control automatically adapts the system to individual building and climate requirements for greater efficiency and comfort
- › Continuously adjusts refrigerant temperature to the actual temperature and capacity required
- › Default mode optimised by Daikin for UK conditions with maximum efficiency and comfort
- › Delivers annual cost savings of up to 28%

### 2. Continuous heating during defrost

The new standard in heating comfort:

- › Unique continuous heating technology makes VRV IV+
- › Heat Pump the best alternative to traditional heating systems
- › Delivers uninterrupted heat, even during the defrost cycle
- › Maintains comfortable indoor climate at all times

### 3. VRV configurator

Advanced software for simplified commissioning, servicing, configuration and customisation:

- › Simplified commissioning: graphical interface to configure, commission and upload system settings
- › Simplified servicing: additional 7-segment indicator for easy and quick access to basic functions and error read out
- › Manage systems over multiple sites

**R-410A**

**LOOP**  
BY DAIKIN

For units made and sold in Europe\*

# VRV IV+ Condensing Units - Heat Recovery

## REYQ-U (8 to 12 hp)

Outdoor Units			8 hp Single	10 hp Single	10 hp Multi		12 hp Single
			REYQ8U	REYQ10U	REMQ5U	REMQ5U	REYQ12U
Capacity	Nominal Cooling	kW	22.40	28.00	28.00		33.50
	Nominal Heating	kW	25.00	31.50	32.00		37.50
Dimensions	Height x Width x Depth	mm	1685 x 930 x 765	1685 x 930 x 765	1685 x 930 x 765	1685 x 930 x 765	1685 x 930 x 765
Weight		kg	230	230	230	230	230
Fan	Air Flow Rate	m³/sec	2.700	2.917	2.700	2.700	3.084
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415
	Running Current	amps	8.9	11.8	5.3	5.3	15.3
	Starting Current	amps	4	4	4	4	4
	Fuse Rating	amps	20	25	20	20	32
Refrigerant Circuit	Refrigerant Type		R410A	R410A	R410A		R410A
	Refrigerant Charge	kg	9.7	9.8	9.7	9.7	9.9
	Additional Charge	kg	See data book				
Sound Pressure		dB(A)	57.0	57.0	57.0	57.0	61.0
Sound Power		dB(A)	78.0	79.1	78.0	78.0	83.4
Piping Limits	Maximum Total Length	m	1000	1000	1000		1000
	Maximum Actual Length	m	165	165	165		165
Piping Connections - Systems	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)		1/2 (12.7)
	Discharge	inch (mm)	5/8 (15.9)	3/4 (19.1)	3/4 (19.1)		3/4 (19.1)
	Gas	inch (mm)	3/4 (19.1)	7/8 (22.2)	7/8 (22.2)		1 1/8 (28.6)
Capacity Index Limit			100 ~ 260	125 ~ 325	125 ~ 325		150 ~ 390
Maximum Number of Connected Indoor Units			64	64	64		64

## REYQ-U (13 to 16 hp)

Outdoor Units			13 hp Multi		14 hp Single	16 hp Single	16 hp Multi	
			REYQ8U	REMQ5U	REYQ14U	REYQ16U	REYQ8U	REYQ8U
Capacity	Nominal Cooling	kW	36.40		40.00	45.00	44.80	
	Nominal Heating	kW	41.00		45.00	50.00	50.00	
Dimensions	Height x Width x Depth	mm	1685 x 930 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 930 x 765	1685 x 930 x 765
Weight		kg	230	230	314	314	230	230
Fan	Air Flow Rate	m³/sec	2.700	2.700	3.717	4.334	2.700	2.700
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415
	Running Current	amps	8.9	5.3	17.4	21.1	8.9	8.9
	Starting Current	amps	4	4	4	4	4	4
	Fuse Rating	amps	20	20	32	40	20	20
Refrigerant Circuit	Refrigerant Type		R410A		R410A		R410A	
	Refrigerant Charge	kg	9.7	9.7	11.8	11.8	9.7	9.7
	Additional Charge	kg	See data book					
Sound Pressure		dB(A)	57.0	57.0	60.0	63.0	57.0	57.0
Sound Power		dB(A)	78.0	78.0	81.0	85.6	78.0	78.0
Piping Limits	Maximum Total Length	m	1000		1000		1000	
	Maximum Actual Length	m	165		165		165	
Piping Connections - Systems	Liquid	inch (mm)	1/2 (12.7)		1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	
	Discharge	inch (mm)	3/4 (19.1)		7/8 (22.2)	7/8 (22.2)	7/8 (22.2)	
	Gas	inch (mm)	1 1/8 (28.6)		1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)	
Capacity Index Limit		162.5 ~ 422.5		175 ~ 455	200 ~ 520	200 ~ 520		
Maximum Number of Connected Indoor Units		64		64	64	64		

## REYQ-U (18 to 20 hp)

Outdoor Units			18 hp Single	18 hp Multi		20 hp Single	20 hp Multi	
			REYQ18U	REYQ8U	REYQ10U	REYQ20U	REYQ8U	REYQ12U
Capacity	Nominal Cooling	kW	50.40	50.40		55.90	55.90	
	Nominal Heating	kW	56.50	56.50		63.00	62.50	
Dimensions	Height x Width x Depth	mm	1685 x 1240 x 765	1685 x 930 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 930 x 765	1685 x 930 x 765
Weight		kg	317	230	230	317	230	230
Fan	Air Flow Rate	m³/sec	4.184	2.700	2.917	4.350	2.917	2.917
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415
	Running Current	amps	24.6	8.9	11.8	31.1	11.8	11.8
	Starting Current	amps	4	4	4	4	4	4
	Fuse Rating	amps	40	20	25	50	25	25
Refrigerant Circuit	Refrigerant Type		R410A	R410A		R410A	R410A	
	Refrigerant Charge	kg	11.8	9.7	9.8	11.8	9.8	9.8
	Additional Charge	kg	See data book					
Sound Pressure		dB(A)	62.0	57.0	57.0	65.0	57.0	57.0
Sound Power		dB(A)	83.8	78.0	79.1	87.9	79.1	79.1
Piping Limits	Maximum Total Length	m	1000	1000		1000	1000	
	Maximum Actual Length	m	165	165		165	165	
Piping Connections - Systems	Liquid	inch (mm)	5/8 (15.9)	5/8 (15.9)		5/8 (15.9)	5/8 (15.9)	
	Discharge	inch (mm)	7/8 (22.2)	7/8 (22.2)		1 1/8 (28.6)	1 1/8 (28.6)	
	Gas	inch (mm)	1 1/8 (28.6)	1 1/8 (28.6)		1 1/8 (28.6)	1 1/8 (28.6)	
Capacity Index Limit		225 ~ 585	225 ~ 585		250 ~ 650	250 ~ 650		
Maximum Number of Connected Indoor Units		64	64		64	64		

## REYQ-U (22 to 28 hp)

Outdoor Units			22 hp Multi		24 hp Multi		26 hp Multi		28 hp Multi	
			REYQ10U	REYQ12U	REYQ8U	REYQ16U	REYQ12U	REYQ14U	REYQ12U	REYQ16U
Capacity	Nominal Cooling	kW	61.50		67.40		73.50		78.50	
	Nominal Heating	kW	69.00		75.00		82.50		87.50	
Dimensions	Height x Width x Depth	mm	1685 x 930 x 765	1685 x 930 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 930 x 765	1685 x 1240 x 765
Weight		kg	230	230	230	314	230	314	230	314
Air Flow Rate		m <sup>3</sup> /sec	2.917	3.084	2.700	4.334	3.084	3.717	3.084	4.334
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415
	Running Current	amps	11.8	15.3	8	21.1	15.3	17.4	15.3	21.1
	Starting Current	amps	4	4	4	4	4	4	4	4
	Fuse Rating	amps	25	32	20	40	32	32	32	40
Refrigerant Circuit	Refrigerant Type		R410A		R410A		R410A		R410A	
	Refrigerant Charge	kg	9.8	9.9	9.7	11.8	9.9	11.8	9.9	11.8
	Additional Charge	kg	See data book							
Sound Pressure		dBA	57.0	61.0	57.0	63.0	61.0	60.0	61.0	63.0
Sound Power		dBA	79.1	83.4	78.0	85.6	83.4	81.0	83.4	85.6
Piping Limits	Maximum Total Length	m	1000		1000		1000		1000	
	Maximum Actual Length	m	165		165		165		165	
Piping Connections - Systems	Liquid	inch (mm)	5/8 (15.9)		5/8 (15.9)		3/4 (19)		3/4 (19)	
	Discharge	inch (mm)	1 1/8 (28.6)		1 1/8 (28.6)		1 1/8 (28.6)		1 1/8 (28.6)	
	Gas	inch (mm)	1 1/8 (28.6)		1 3/8 (34.9)		1 3/8 (34.9)		1 3/8 (34.9)	
Capacity Index Limit		275 ~ 715		300 ~ 780		325 ~ 845		350 ~ 910		
Maximum Number of Connected Indoor Units		64		64		64		64		

## REYQ-U (30 to 36 hp)

Outdoor Units			30 hp Multi		32 hp Multi		34 hp Multi		36 hp Multi	
			REYQ12U	REYQ18U	REYQ16U	REYQ16U	REYQ16U	REYQ18U	REYQ16U	REYQ20U
Capacity	Nominal Cooling	kW	83.90		90.00		95.40		97.00	
	Nominal Heating	kW	94.00		100.00		106.50		113.00	
Dimensions	Height x Width x Depth	mm	1685 x 930 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765
Weight		kg	230	317	314	314	314	317	314	317
Fan	Air Flow Rate	m <sup>3</sup> /sec	3.084	4.184	4.334	4.334	4.334	4.184	4.334	4.350
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415
	Running Current	amps	15.3	24.6	21.1	21.1	21.1	24.6	21.1	31.1
	Starting Current	amps	4	4	4	4	4	4	4	4
	Fuse Rating	amps	32	40	40	40	40	40	40	50
Refrigerant Circuit	Refrigerant Type		R410A		R410A		R410A		R410A	
	Refrigerant Charge	kg	9.9	11.8	11.8	11.8	11.8	11.8	11.8	11.8
	Additional Charge	kg	See data book							
Sound Pressure		dBA	61.0	62.0	63.0	63.0	63.0	62.0	63.0	65.0
Sound Power		dBA	83.4	83.8	85.6	85.6	85.6	83.8	85.6	87.9
Piping Limits	Maximum Total Length	m	1000		1000		1000		1000	
	Maximum Actual Length	m	165		165		165		165	
Piping Connections - Systems	Liquid	inch (mm)	3/4 (19.1)		3/4 (19.1)		3/4 (19.1)		3/4 (19.1)	
	Discharge	inch (mm)	1 1/8 (28.6)		1 1/8 (28.6)		1 1/8 (28.6)		1 1/8 (28.6)	
	Gas	inch (mm)	1 3/8 (34.9)		1 3/8 (34.9)		1 3/8 (34.9)		1 5/8 (41.3)	
Capacity Index Limit		375 ~ 975		400 ~ 1040		425 ~ 1105		450 ~ 1170		
Maximum Number of Connected Indoor Units		64		64		64		64		

## REYQ-U (38 to 42 hp)

Outdoor Units			38 hp Multi			40 hp Multi			42 hp Multi		
			REYQ8U	REYQ12U	REYQ18U	REYQ10U	REYQ12U	REYQ18U	REYQ10U	REYQ16U	REYQ16U
Capacity	Nominal Cooling	kW	106.30			111.90			118.00		
	Nominal Heating	kW	119.00			125.50			131.50		
Dimensions	Height x Width x Depth	mm	1685 x 930 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 930 x 765	1685 x 930 x 765	1685 x 1240 x 765	1685 x 930 x 765	1685 x 1240 x 765	
Weight		kg	230	230	317	230	230	317	230	314	
Fan	Air Flow Rate	m <sup>3</sup> /sec	2.700	3.084	4.184	2.917	3.084	4.184	2.917	4.334	
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	
	Running Current	amps	8.9	15.3	24.6	11.8	15.3	24.6	11.8	21.1	
	Starting Current	amps	4	4	4	4	4	4	4	4	
	Fuse Rating	amps	20	32	40	25	32	40	25	40	
Refrigerant Circuit	Refrigerant Type		R410A			R410A			R410A		
	Refrigerant Charge	kg	9.7	9.9	11.8	9.8	9.9	11.8	9.8	11.8	
	Additional Charge	kg	See data book			See data book			See data book		
Sound Pressure		dBA	57.0	61.0	62.0	57.0	61.0	62.0	57.0	63.0	
Sound Power		dBA	78.0	83.4	83.8	79.1	83.4	83.8	79.1	85.6	
Piping Limits	Maximum Total Length	m	1000			1000			1000		
	Maximum Actual Length	m	165			165			165		
Piping Connections - Systems	Liquid	inch (mm)	3/4 (19.1)			3/4 (19.1)			3/4 (19.1)		
	Discharge	inch (mm)	1 3/8 (34.9)			1 3/8 (34.9)			1 3/8 (34.9)		
	Gas	inch (mm)	1 5/8 (41.3)			1 5/8 (41.3)			1 5/8 (41.3)		
Capacity Index Limit		475 ~ 1235			500 ~ 1300			525 ~ 1365			
Maximum Number of Connected Indoor Units		64			64			64			

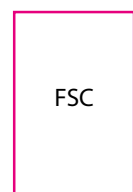
## REYQ-U (44 to 48 hp)

Outdoor Units			44 hp Multi			46 hp Multi			48 hp Multi		
			REYQ12U	REYQ16U	REYQ16U	REYQ14U	REYQ16U	REYQ16U	REYQ16U	REYQ16U	REYQ16U
Capacity	Nominal Cooling	kW	123.50			130.00			135.00		
	Nominal Heating	kW	137.50			145.00			150.00		
Dimensions	Height x Width x Depth	mm	1685 x 930 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765
Weight		kg	230	314	314	314	314	314	314	314	314
Fan	Air Flow Rate	m <sup>3</sup> /sec	3.084	4.334	4.334	3.717	4.334	4.334	4.334	4.334	4.334
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415
	Running Current	amps	15.3	21.1	21.1	17.4	21.1	21.1	21.1	21.1	21.1
	Starting Current	amps	4	4	4	4	4	4	4	4	4
	Fuse Rating	amps	32	40	40	32	40	40	40	40	40
Refrigerant Circuit	Refrigerant Type		R410A			R410A			R410A		
	Refrigerant Charge	kg	9.9	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
	Additional Charge	kg	See data book			See data book			See data book		
Sound Pressure		dBA	61.0	63.0	63.0	60.0	63.0	63.0	63.0	63.0	63.0
Sound Power		dBA	83.4	85.6	85.6	81.0	85.6	85.6	85.6	85.6	85.6
Piping Limits	Maximum Total Length	m	1000			1000			1000		
	Maximum Actual Length	m	165			165			165		
Piping Connections - Systems	Liquid	inch (mm)	3/4 (19.1)			3/4 (19.1)			3/4 (19.1)		
	Discharge	inch (mm)	1 3/8 (34.9)			1 3/8 (34.9)			1 3/8 (34.9)		
	Gas	inch (mm)	1 5/8 (41.3)			1 5/8 (41.3)			1 5/8 (41.3)		
Capacity Index Limit			550 ~ 1430			575 ~ 1495			600 ~ 1560		
Maximum Number of Connected Indoor Units			64			64			64		

## REYQ-U (50 to 54 hp)

Outdoor Units			50 hp Multi			52 hp Multi			54 hp Multi		
			REYQ16U	REYQ16U	REYQ18U	REYQ16U	REYQ18U	REYQ18U	REYQ18U	REYQ18U	REYQ18U
Capacity	Nominal Cooling	kW	140.40			145.80			151.20		
	Nominal Heating	kW	156.50			163.00			169.50		
Dimensions	Height x Width x Depth	mm	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765	1685 x 1240 x 765
Weight		kg	314	314	317	314	317	317	317	317	317
Fan	Air Flow Rate	m <sup>3</sup> /sec	4.334	4.334	4.184	4.334	4.184	4.184	4.184	4.184	4.184
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415	3 / 50 / 380~415
	Running Current	amps	21.1	21.1	24.6	21.1	24.6	24.6	24.6	24.6	24.6
	Starting Current	amps	4	4	4	4	4	4	4	4	4
	Fuse Rating	amps	40	40	40	40	40	40	40	40	40
Refrigerant Circuit	Refrigerant Type		R410A			R410A			R410A		
	Refrigerant Charge	kg	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
	Additional Charge	kg	See data book			See data book			See data book		
Sound Pressure		dBA	63.0	63.0	62.0	63.0	62.0	62.0	62.0	62.0	62.0
Sound Power		dBA	85.6	85.6	83.8	85.6	83.8	83.8	83.8	83.8	83.8
Piping Limits	Maximum Total Length	m	1000			1000			1000		
	Maximum Actual Length	m	165			165			165		
Piping Connections - Systems	Liquid	inch (mm)	3/4 (19.1)			3/4 (19.1)			3/4 (19.1)		
	Discharge	inch (mm)	1 3/8 (34.9)			1 3/8 (34.9)			1 3/8 (34.9)		
	Gas	inch (mm)	1 5/8 (41.3)			1 5/8 (41.3)			1 5/8 (41.3)		
Capacity Index Limit			625 ~ 1625			650 ~ 1690			675 ~ 1755		
Maximum Number of Connected Indoor Units			64			64			64		

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