

Wall Mounted – Alpha



Indoor Units			Single Phase		3 Phase	
			FAA71A	FAA100A	FAA71A	FAA100A
Capacity	UK Total Cooling	kW	7.76	10.8	7.76	10.8
	UK Sensible Cooling	kW	5.32	7.44	5.32	7.44
	Nominal Cooling	kW	6.8	9.5	6.8	9.5
	Nominal Heating	kW	7.5	10.8	7.5	10.8
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A++	A++
	Pdesign	kW	6.8	9.5	6.8	9.5
	SEER		6.58	6.42	6.58	6.42
	Annual Energy Consumption	kWh	362	518	362	518
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A+	A+
	Pdesign	kW	4.7	7.8	4.7	7.8
	SCOP		4.02	4.01	4.02	4.01
	Annual Energy Consumption	kWh	1637	2723	1637	2723
Nominal Efficiency	EER/COP		3.62/4.32	4.43/4.00	3.62/4.32	4.43/4.00
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.300/0.266/0.233	0.433/0.383/0.316	0.300/0.266/0.233	0.433/0.383/0.316
Dimensions	Height	mm	290	340	290	340
	Width	mm	1050	1200	1050	1200
	Depth	mm	238	240	238	240
	Weight	kg	13	17	13	17
Sound Pressure (Cooling)	High / Nom / Low	dBA	45/42/40	49/45/41	45/42/40	49/45/41
Sound Pressure (Heating)	High / Nom / Low	dBA	45/42/40	49/45/41	45/42/40	49/45/41
Sound Power (Cooling)		dBA	61	65	61	65

Outdoor Units			RZAG71NV1	RZAG100NV1	RZAG71NY1	RZAG100NY1
Dimensions	Height x Width x Depth	mm	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460
Weight		kg	92	92	92	92
Electrical Details	Power Supply		1ph	1ph	3ph	3ph
	Maximum Input Current (MCA) A		Refer to data book			
	Max Fuse Size	A	Refer to data book			
Interconnection Wiring	Core / Cable Size		3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)
Pipework	Maximum Length	m	55	85	55	85
	Maximum Vertical Rise	m	30	30	30	30
	Precharged to	m	40	40	40	40
	Additional charge	g/m	Refer to Installation Manual		Refer to Installation Manual	
	Holding charge	kg	3.2	3.7	3.2	3.7
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	46	47	46	47
Sound Pressure (Heating)	Nom / Night Quiet	dBA	49	51	49	51
Sound Power (Cooling)		dBA	64	66	65	66
Operating Range (Cooling)	Min / Max	°CDB	-20/52	-20/52	-20/52	-20/52
Operating Range (Heating)	Min / Max	°CWB	-20/18	-20/18	-20/18	-20/18
Air Flow Rate (Cooling)	Nominal	m³/sec	Refer to data book			

Indoor Unit Trade Price (Includes: BRC1H519W7)		£892.00	£963.00	£892.00	£963.00
Condensing Unit Trade Price		£1,409.00	£1,789.00	£1,452.00	£1,872.00
Total System Price		£2,301.00	£2,752.00	£2,344.00	£2,835.00

For Comms Rooms & Duty Rotation see page 52 - 53

Accessories:

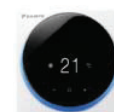
Accessory Ref	Description	Trade Price
BRP069A81	Wifi adaptor for connection to on-line controller	£87.00
BRC1H519W7	Wired touch screen remote controller - White (Included as standard)	£96.00
BRC1H519S7	Wired touch screen remote controller - Silver	£100.00
BRC1H519K7	Wired touch screen remote controller - Black	£104.00
BRC7EB518	Wireless remote controller	£181.00
K.CGL	Condensing unit guard size 100-140 including RXYSQ	£421.00
K.CGM	Condensing unit guard size 42-71	£352.00
K.CWB140-2	Condensing unit bracket - size 100 to 140	£53.00
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£41.00
K.DT1	Condensate drip tray for use with K.CWB90-2	£63.00
K.DT2	Condensate drip tray for use with K.CWB140-2	£68.00
K.RSS	Wireless room mounted temperature sensor and receiver	£106.00
KLIC-DI	KNX Interface for Sky Air and VRV systems	£221.00
KRCS01-4	Remote room mounted temperature sensor	£47.00
KRP4A53 and UK.FB2	Unit/group adaptor PCB for remote on/off, status indication and temperature setting	£108.00
RS-SE	Service and configuration tool for K.RSS	£110.00
RTD-10 and UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock	£278.00
RTD-20 and UK.FB2	Energy control PCB for Sky Air and VRV	£297.00
RTD-NET and UK.FB2	Modbus interface PCB for Sky Air and VRV	£224.00

Notes & Features:

- > 3 fan speed
- > Automatic airflow volume control sets from speed based on difference between set & room temperature
- > Dry programme: reduces humidity in the room
- > Comms, computer and server room cooling with EDP settings (Alpha only)



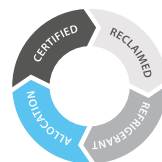
RZAG71-140NV1

Madoka
BRC1H519W7
WI-FI ADAPTOR
 AVAILABLE AS
 AN OPTION

R-410A

REYQ-U (8 to 12 hp)

VRV IV+ Condensing Units – Heat Recovery



Outdoor Units			8 hp Single REYQ8U	10 hp Single REYQ10U	10 hp Multi REMQU5U REMQ5U		12 hp Single 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	m ³ /sec	2.700	2.917	2.700	2.700	3.084
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415				
	Running Current	amps	8.9	11.8	5.3	5.3	15.3
	Starting Current	amps	4				
	Fuse Rating	amps	20	25	20	20	32
Refrigerant Circuit	Refrigerant Type		R410A				
	Refrigerant Charge	kg	9.7	9.8	9.7	9.7	9.9
	Additional Charge	kg	data book				
Sound Pressure		dBA	57.0	57.0	57.0	57.0	61.0
Sound Power		dBA	78.0	79.1	78.0	78.0	83.4
Piping Limits	Maximum Total Length	m	1000				
	Maximum Actual Length	m	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
Trade Condensing Unit Price			£5,889.00	£6,468.00	£8,082.00		£7,844.00

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REYQ-U (13 to 16 hp)

VRV IV+ Condensing Units – Heat Recovery



Outdoor Units			13 hp Multi REYQ8U REMQ5U		14 hp Single REYQ14U	16 hp Single REYQ16U	16 hp Multi 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	m ³ /sec	2.700	2.700	3.717	4.334	2.700	2.700
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415					
	Running Current	amps	8.9	5.3	17.4	21.1	8.9	8.9
	Starting Current	amps	4					
	Fuse Rating	amps	20	20	32	40	20	20
Refrigerant Circuit	Refrigerant Type		R410A					
	Refrigerant Charge	kg	9.7	9.7	11.8	11.8	9.7	9.7
	Additional Charge	kg	data book					
Sound Pressure		dBA	57.0	57.0	60.0	63.0	57.0	57.0
Sound Power		dBA	78.0	78.0	81.0	85.6	78.0	78.0
Piping Limits	Maximum Total Length	m	1000					
	Maximum Actual Length	m	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	
Trade Condensing Unit Price			£9,930.00		£9,247.00	£10,896.00	£11,778.00	

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REYQ-U (18 to 20 hp)

VRV IV+ Condensing Units – Heat Recovery



Outdoor Units			18 hp Single	18 hp Multi		20 hp Single	20 hp Multi	
			REYQ18U	REYQ8U	REYQ10U	REYQ20U	REYQ10U	REYQ10U
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					
	Running Current	amps	24.6	8.9	11.8	31.1	11.8	11.8
	Starting Current	amps	4					
	Fuse Rating	amps	40	20	25	50	25	25
Refrigerant Circuit	Refrigerant Type		R410A					
	Refrigerant Charge	kg	11.8	9.7	9.8	11.8	9.8	9.8
	Additional Charge	kg	data book					
Sound Pressure		dBA	62.0	57.0	57.0	65.0	57.0	57.0
Sound Power		dBA	83.8	78.0	79.1	87.9	79.1	79.1
Piping Limits	Maximum Total Length	m	1000					
	Maximum Actual Length	m	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	
Trade Condensing Unit Price			£12,113.00	£12,357.00		£13,461.00	£12,936.00	

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REYQ-U (22 to 28 hp)

VRV IV+ Condensing Units – Heat Recovery



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		m³/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							
	Running Current	amps	11.8	15.3	8	21.1	15.3	17.4	15.3	21.1
	Starting Current	amps	4							
	Fuse Rating	amps	25	32	20	40	32	32	32	40
Refrigerant Circuit	Refrigerant Type		R410A							
	Refrigerant Charge	kg	9.8	9.9	9.7	11.8	9.9	11.8	9.9	11.8
	Additional Charge	kg	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							
	Maximum Actual Length	m	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	
Trade Condensing Unit Price			£14,312.00		£16,785.00		£17,091.00		£18,740.00	