

## RAV cassette split systems (DI & SDI)



optional infra red controller  
RBC-AX31U(W)-E - £173

Indoor Unit	RAV-SM564UT-E		RAV-SM804UT-E		RAV-SM1104UT-E		
	RAV-SM563AT-E	RAV-SP564AT-E	RAV-SM803AT-E	RAV-SP804AT-E	RAV-SM1103AT-E	RAV-SP1104AT-E	
Outdoor Unit	RBC-U31PG(W)-E	RBC-U31PG(W)-E	RBC-U31PG(W)-E	RBC-U31PG(W)-E	RBC-U31PG(W)-E	RBC-U31PG(W)-E	
Grille	RBC-AMS41E	RBC-AMS41E	RBC-AMS41E	RBC-AMS41E	RBC-AMS41E	RBC-AMS41E	
Wired Remote Controller c/w T Clock	RBC-AMS41E	RBC-AMS41E	RBC-AMS41E	RBC-AMS41E	RBC-AMS41E	RBC-AMS41E	
Nominal Cooling (Range)	kW	5.3 (1.5 - 5.6)	5.3 (1.2 - 5.6)	6.7 (1.5 - 7.4)	7.1 (1.9 - 8.0)	10.0 (3.0 - 11.2)	10.0 (2.8 - 12.0)
UK Cooling	kW	5.4	5.4	7.4	7.4	10.8	10.8
UK Sensible Cooling	kW	4.2	4.2	5.2	5.2	6.6	6.6
Nominal Heating (Range)	kW	5.6 (1.5 - 6.3)	5.6 (0.9 - 8.1)	8.0 (1.5 - 9.0)	8.0 (1.3 - 11.3)	11.2 (3.0 - 13.0)	11.2 (2.40 - 13.0)
UK Heating	kW	4.7	4.7	6.7	6.7	9.7	9.6
Power Consumption (C/H)	kW	1.65 / 1.44	1.47 / 1.21	2.09 / 2.21	1.86 / 1.91	3.11 / 3.10	2.21 / 2.34
EER / COP (Cooling/Heating)		3.21 / 3.89	3.61 / 4.63	3.21 / 3.62	3.82 / 4.19	3.22 / 3.61	4.52 / 4.79
Energy Label (C/H)		B / A	A / A	B / B	A / A	B / B	A / A
Operating Range - Cooling	°C	-15 to +43	-15 to +43	-15 to +43	-15 to +43	-15 to +43	-15 to +43
Operating Range - Heating	°C	-15 to +15	-20 to +15	-15 to +15	-20 to +15	-15 to +15	-20 to +15
Airflow Indoor (low/med/hi)	l/s	216 / 242 / 292	216 / 242 / 292	225 / 267 / 342	225 / 267 / 342	325 / 400 / 558	325 / 400 / 558
Sound Pressure Indoor (L/M/H)	dBA	28 / 29 / 32	28 / 29 / 32	28 / 31 / 35	28 / 31 / 35	33 / 38 / 43	33 / 38 / 43
Sound Pressure Outdoor (C/H)	dBA	46 / 48	47 / 48	48 / 50	48 / 49	53 / 54	49 / 50
Indoor Unit (HxWxD)	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Grille (HxWxD)	mm	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950
Outdoor Unit (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	890 x 900 x 320	795 x 900 x 320	1340 x 900 x 320
Weight Indoor (Grille)	kg	20 (4.2)	20 (4.2)	20 (4.2)	20 (4.2)	24 (4.2)	24 (4.2)
Weight Outdoor	kg	38	44	44	63	77	93
Pipe Sizes	in	1/4 + 1/2	1/4 + 1/2	3/8 + 5/8	3/8 + 5/8	3/8 + 5/8	3/8 + 5/8
Max Pipe Run	m	30	50	30	50	50	75
Vertical Separation	m	30	30	30	30	30	30
Pre-Charged For	m	20	20	20	30	30	30
Factory Refrigerant Charge	kg	1.00	1.40	1.70	2.10	2.80	3.10
Additional Refrigerant	g/m	20	20	40	40	40	40
Power Supply (V/Ph/Hz)		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Supply To		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Interconnecting Cables		3 + E	3 + E	3 + E	3 + E	3 + E	3 + E
Max Operating Curr. (C 240V)	A	7.9	6.8	10.1	8.7	14.4	11.2
Suggested Fuse Size	A	16	16	16	16	20	20

C = Cooling, H = Heating



three phase power supply

Indoor Unit		RAV-SM1404UT-E		RAV-SM1604UT-E	RAV-SM1104UT-E	RAV-SM1404UT-E	RAV-SM1604UT-E
Outdoor Unit		RAV-SM1403AT-E	RAV-SP1404AT-E	RAV-SM1603AT-E	RAV-SP1104AT8-E	RAV-SP1404AT8-E	RAV-SP1604AT8-E
Grille		RBC-U31PG(W)-E	RBC-U31PG(W)-E	RBC-U31PG(W)-E	RBC-U31PG(W)-E	RBC-U31PG(W)-E	RBC-U31PG(W)-E
Wired Remote Controller c/w T Clock		RBC-AMS41E	RBC-AMS41E	RBC-AMS41E	RBC-AMS41E	RBC-AMS41E	RBC-AMS41E
Nominal Cooling (Range)	kW	12.1 (3.0 - 13.2)	12.3 (2.6 - 14.0)	14.0 (3.0-16.0)	10.0 (2.6 - 12.0)	12.5 (2.6 - 14.0)	14.0 (2.6 - 16.0)
UK Cooling	kW	12.6	12.6	15.5	10.8	12.6	15.5
UK Sensible Cooling	kW	8.1	8.1	11.1	6.6	8.1	11.1
Nominal Heating (Range)	kW	14.0 (3.0 - 16.0)	14.0 (2.4 - 16.5)	16.0 (3.0-18.0)	11.2 (2.4 - 15.6)	14.0 (2.4 - 18.0)	16.0 (2.4 - 19.0)
UK Heating	kW	11.9	11.9	13.6	9.6	11.7	13.6
Power Consumption (C/H)	kW	3.73 / 3.88	3.16 / 3.21	4.49 / 4.43	2.37 / 2.42	3.46 / 3.42	4.49 / 4.30
EER / COP (Cooling/Heating)		3.21 / 3.61	3.96 / 4.36	3.12 / 3.61	4.22 / 4.63	3.61 / 4.09	3.12 / 3.72
Energy Label (C/H)		B / B	A / A	B / B	A / A	A / A	B / A
Operating Range - Cooling	°C	-15 to +43	-15 to +43	-15 to +43	-15 to +46	-15 to +46	-15 to +46
Operating Range - Heating	°C	-15 to +15	-20 to +15	-15 to +15	-20 to +15	-20 to +15	-20 to +15
Airflow Indoor (low/med/hi)	l/s	342 / 400 / 583	342 / 400 / 583	350 / 417 / 592	325 / 400 / 558	342 / 400 / 583	350 / 417 / 592
Sound Pressure Indoor (L/M/H)	dBA	34 / 38 / 44	34 / 38 / 44	36 / 40 / 45	33 / 38 / 43	34 / 38 / 44	36 / 40 / 45
Sound Pressure Outdoor (C/H)	dBA	53 / 54	51 / 52	51 / 53	49 / 50	51 / 52	51 / 53
Indoor Unit (HxWxD)	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Grille (HxWxD)	mm	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950
Outdoor Unit (HxWxD)	mm	795 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Weight Indoor (Grille)	kg	24 (4.2)	24 (4.2)	24 (4.2)	24 (4.2)	24 (4.2)	24 (4.2)
Weight Outdoor	kg	77	93	99	95	95	95
Pipe Sizes	in	3/8 + 5/8	3/8 + 5/8	3/8 + 5/8	3/8 + 5/8	3/8 + 5/8	3/8 + 5/8
Maximum Pipe Run	m	50	75	50	75	75	75
Vertical Separation	m	30	30	30	30	30	30
Pre-Charged For	m	30	30	30	30	30	30
Factory Refrigerant Charge	kg	2.80	3.10	3.10	3.1	3.1	3.1
Additional Refrigerant	g/m	40	40	40	40	40	40
Power Supply (V/Ph/Hz)		230/1/50	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50
Supply To		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Interconnecting Cables		3 + E	3 + E	3 + E	3 + E	3 + E	3 + E
Max Operating Curr. (C)	A	17.7	16.2	23.9	4.52 per phase	6.03 per phase	7.55 per phase
Suggested Fuse Size	A	25	25	32	20 per phase	20 per phase	20 per phase

C = Cooling, H = Heating