



RAV Triple-Split Compact Cassette Indoor Unit

CODE			100	100	120	121	140
Performance							
Indoor Unit 1		RAV-	SM307MUT-E	SM307MUT-E	SM407MUT-E	SM407MUT-E	SM567MUT-E
Indoor Unit 2		RAV-	SM307MUT-E	SM307MUT-E	SM407MUT-E	SM407MUT-E	SM567MUT-E
Indoor Unit 3		RAV-	SM307MUT-E	SM307MUT-E	SM407MUT-E	SM407MUT-E	SM567MUT-E
Outdoor Unit		RAV-	SM1104ATP-E	SM1104AT8P-E	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1
Nominal	Cooling Capacity	kW	10.0	10.0	12.0	12.1	14.0
	Heating Capacity	kW	11.2	11.2	12.8	12.8	16.0
	EER/COP	W/W	3.16/3.75	3.16/3.75	2.80/3.76	2.80/3.76	2.81/3.48
UK	Cooling Total/Sensible	kW	9.50/7.60	9.50/7.60	11.40/9.10	11.40/9.10	13.30/9.40
	Heating	kW	8.01	8.01	9.16	9.16	10.45
Cooling EN14825	Range Min. - Max.	kW	3.0 - 11.2	3.0 - 11.2	3.0 - 13.0	3.0 - 13.0	2.6 - 16.0
	Power Input	kW	3.16	3.16	4.29	4.29	4.99
	Pdesign	kW	10.00	10.00	-	-	-
	SEER/Energy Efficiency Class		5.04/B	5.04/B	-	-	-
	Seasonal Energy Consumption	kWh/a	695	695	-	-	-
Heating EN14825	Range Min. - Max.	kW	3.0 - 12.5	3.0 - 12.5	3.0 - 16.0	3.0 - 16.0	2.4 - 19.0
	Power Input	kW	2.99	2.99	3.40	3.40	4.60
	Pdesign	kW	7.60	7.60	-	-	-
	SCOP/Energy Efficiency Class		4.17/A+	4.17/A+	-	-	-
	Seasonal Energy Consumption	kWh/a	2549	2549	-	-	-

Indoor Data		RAV-	SM307MUT-E	SM307MUT-E	SM407MUT-E	SM407MUT-E	SM567MUT-E
Air Flow	High - Medium - Low	l/s	177 - 144 - 122	177 - 144 - 122	183 - 153 - 130	183 - 153 - 130	222 - 187 - 152
	High - Medium - Low	m ³ /h	640 - 520 - 440	640 - 520 - 440	660 - 552 - 468	660 - 552 - 468	798 - 672 - 546
Sound	Pressure High - Medium - Low	dB(A)	40 - 36 - 31	40 - 36 - 31	40 - 36 - 31	40 - 36 - 31	43 - 39 - 34
	Power High - Medium - Low	dB(A)	55 - 51 - 46	55 - 51 - 46	55 - 51 - 46	55 - 51 - 46	58 - 54 - 49
Unit	Height x Width x Depth	mm	268 x 575 x 575	268 x 575 x 575	268 x 575 x 575	268 x 575 x 575	268 x 575 x 575
	Weight	kg	16	16	17	17	17
Panel	Height x Width x Depth	mm	27 x 700 x 700	27 x 700 x 700	27 x 700 x 700	27 x 700 x 700	27 x 575 x 575
	Weight	kg	3	3	3	3	3
Pipe Connection	Flare Connections (gas - liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4
	Height Difference Indoor To Indoor	m	±0.5	±0.5	±0.5	±0.5	±0.5
	Branch Kit (Sold Separately)		RBC-TRP100E	RBC-TRP100E	RBC-TRP100E	RBC-TRP100E	RBC-TRP100E
	Outdoor Connection To Distributor (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Sub Branch Line To Indoor (gas - liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4
	Max. Subtractive Separation Between Indoors	m	10	10	10	10	10
	Max. Length Distributor To Furthest Indoor	m	15	15	15	15	15
Drain Pipe Connection OD/ID	mm	VP32/25	VP32/25	VP32/25	VP32/25	VP32/25	
Power Cable	Indoor to Indoor		2 core + earth	2 core + earth	2 core + earth	2 core + earth	2 core + earth
Remote Controller			RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E

Outdoor Data		RAV-	SM1104ATP-E	SM1104AT8P-E	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1
Operating Range	Cooling/Heating	°C	46 to -15/15 to -15	46 to -15/15 to -15	46 to -15/15 to -15	46 to -15/15 to -15	43 to -15/15 to -15
Air Flow	High	m ³ /h - l/s	4080 - 1133	4080 - 1133	4200 - 1167	4200 - 1167	6180 - 1717
Sound	Pressure High Cooling/Heating	dB(A)	53/54	53/54	54/55	54/55	51/53
	Power High Cooling/Heating	dB(A)	70/71	70/71	70/71	70/71	68/70
Unit	Height x Width x Depth	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
	Weight	kg	68	68	68	68	99
Pipe Connection	Flare Connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Min.-Max. Length	m	5-50	5-50	5-50	5-50	5-50
	Maximum Height Difference	m	±30	±30	±30	±30	±30
	Drain Port Connection	mm	16	16	16	16	16
Refrigerant R410A	Base Charge/Chargeless Length	kg/m	2.8/32	3.1/30	2.8/32	3.1/30	3.1/32
	Additional Charge Main Liquid Side	g/m	40	40	40	40	40
	Additional Charge Sub Liquid Side	g/m	20	20	20	40	20
Run Current	Maximum	A	15.28	3.22	22.78	4.92	21.7
Power Cable	Outdoor to Header Indoor		3 core + earth	3 core + earth	3 core + earth	3 core + earth	3 core + earth
Power Supply	Suggested Fuse Size	V/ph/Hz-A	220-240/1/50-20	380-415/3/50-10	220-240/1/50-32	380-415/3/50-10	220-240/1/50-32

Accessories

RBC-AMS41E	Remote Controller Built-In Timer	Full control including service functions with fully-programmable 7-day timer
RBC-AMS54E-ES	Lite-Vision Plus Remote Controller	Includes timer and backlight display as well as power-save functions, multilingual
RBC-AS41E	Simplified Controller	Ideal for hotel and basic use applications (no service function available)
RBC-SMF1	Fan Interface	Interface to provide an output to enable an external fan from the unit
RBC-SMT1	CN02 Connector Timer Interface Lead	Lead to provide ON/OFF control from the RBC-AMT32E remote or any central controller
TCB-TC41LE	Remote Sensor	Room temperature sensing in conditioned space



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Performance							
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Indoor Unit 2	RAV-	SM307MUT-E	SM307MUT-E	SM307MUT-E	SM407MUT-E	SM407MUT-E	SM567MUT-E
Indoor Unit 3	RAV-	SM307MUT-E	SM307MUT-E	SM307MUT-E	SM407MUT-E	SM407MUT-E	SM567MUT-E
Outdoor Unit	RAV-	SP1104AT-E1	SP1104AT8-E1	SP1104AT8-E1	SP1404AT-E1	SP1404AT8-E1	SP1604AT8-E1
Nominal	Cooling Capacity	kW	10.0	10.0	12.5	12.5	14.0
	Heating Capacity	kW	11.2	11.2	14.0	14.0	16.0
	EER/COP	W/W	3.75/4.19	3.58/4.19	3.96/4.36	3.61/4.09	2.81/3.48
UK	Cooling Total/Sensible	kW	9.50/7.60	9.70/7.40	11.90/9.50	12.10/8.40	13.50/9.00
	Heating	kW	7.31	7.31	9.14	9.14	10.45
Cooling EN14825	Range Min. - Max.	kW	2.6 - 12.0	2.6 - 12.0	2.6 - 14.0	2.6 - 14.0	2.6 - 16.0
	Power Input	kW	2.67	2.79	3.16	3.46	4.99
	Pdesign	kW	10.00	10.00	-	-	-
	SEER/Energy Efficiency Class		5.67/A+	5.64/A+	-	-	-
	Seasonal Energy Consumption	kWh/a	618	621	-	-	-
Heating EN14825	Range Min. - Max.	kW	2.4 - 14.0	2.4 - 14.0	2.4 - 16.5	2.4 - 18.0	2.4 - 19.0
	Power Input	kW	2.67	2.67	3.21	3.42	4.60
	Pdesign	kW	11.60	11.60	-	-	-
	SCOP/Energy Efficiency Class		3.90/A	3.90/A	-	-	-
	Seasonal Energy Consumption	kWh/a	4169	4169	-	-	-
Indoor Data							
Air Flow	High - Medium - Low	l/s	177 - 144 - 122	177 - 144 - 122	183 - 153 - 130	183 - 153 - 130	222 - 187 - 152
	High - Medium - Low	m ³ /h	640 - 520 - 440	640 - 520 - 440	660 - 552 - 468	660 - 552 - 468	798 - 672 - 546
Sound	Pressure High - Medium - Low	dB(A)	40 - 36 - 31	40 - 36 - 31	40 - 36 - 31	40 - 36 - 31	43 - 39 - 34
	Power High - Medium - Low	dB(A)	55 - 51 - 46	55 - 51 - 46	55 - 51 - 46	55 - 51 - 46	58 - 54 - 49
Unit	Height x Width x Depth	mm	268 x 575 x 575	268 x 575 x 575	268 x 575 x 575	268 x 575 x 575	268 x 575 x 575
	Weight	kg	16	16	17	17	17
Panel	Height x Width x Depth	mm	27 x 700 x 700	27 x 700 x 700	27 x 700 x 700	27 x 700 x 700	27 x 700 x 700
	Weight	kg	3	3	3	3	3
Pipe Connection	Flare Connections (gas - liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4
	Height Difference Indoor To Indoor	m	±0.5	±0.5	±0.5	±0.5	±0.5
	Branch Kit (Sold Separately)		RBC-TRP100E	RBC-TRP100E	RBC-TRP100E	RBC-TRP100E	RBC-TRP100E
	Outdoor Connection To Distributor (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Sub Branch Line To Indoor (gas - liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8
	Max. Subtractive Separation Between Indoors	m	10	10	10	10	10
	Max. Length Distributor To Furthest Indoor	m	15	15	15	15	15
Drain Pipe Connection OD/ID	mm	VP32/25	VP32/25	VP32/25	VP32/25	VP32/25	
Power Cable	Indoor to Indoor		2 core + earth	2 core + earth	2 core + earth	2 core + earth	2 core + earth
Remote Controller			RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E
Outdoor Data							
Operating Range	Cooling/Heating	°C	43 to -15/15 to -15	46 to -15/15 to -20	43 to -15/15 to -20	46 to -15/15 to -20	46 to -15/15 to -20
Air Flow	High	m ³ /h - l/s	6060 - 1683	6060 - 1683	6180 - 1717	6180 - 1717	6180 - 1717
	Pressure High Cooling/Heating	dB(A)	49/50	49/50	51/52	51/52	51/53
Unit	Power High Cooling/Heating	dB(A)	66/67	66/67	68/69	68/69	68/70
	Height x Width x Depth	mm	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
Pipe Connection	Weight	kg	93	95	93	95	95
	Flare Connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Refrigerant R410A	Min.-Max. Length	m	3-50	3-50	3-50	3-50	3-50
	Maximum Height Difference	m	±30	±30	±30	±30	±30
	Drain Port Connection	mm	16	16	16	16	16
	Base Charge/Chargeless Length	kg/m	3.1/32	3.1/32	3.1/32	3.1/32	3.1/32
Run Current	Additional Charge Main Liquid Side	g/m	40	40	40	40	40
	Additional Charge Sub Liquid Side	g/m	20	20	40	40	40
Power Cable	Maximum	A	10.43	3.72	15.76	5.42	6.66
Power Supply	Outdoor to Header Indoor		3 core + earth	3 core + earth	3 core + earth	3 core + earth	3 core + earth
Power Supply	Suggested Fuse Size	V/ph/Hz-A	220-240/1/50-16	380-415/3/50-10	220-240/1/50-25	380-415/3/50-16	380-415/3/50-16

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