



## RAV Quad-Split Compact Cassette Indoor Unit

CODE		120	121	140	200	
<b>Performance</b>						
Indoor Unit 1		RAV-	SM307MUT-E	SM307MUT-E	SM407MUT-E	SM567MUT-E
Indoor Unit 2		RAV-	SM307MUT-E	SM307MUT-E	SM407MUT-E	SM567MUT-E
Indoor Unit 3		RAV-	SM307MUT-E	SM307MUT-E	SM407MUT-E	SM567MUT-E
Indoor Unit 4		RAV-	SM307MUT-E	SM307MUT-E	SM407MUT-E	SM567MUT-E
Outdoor Unit		RAV-	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1	SM2246AT8-E
Nominal	Cooling Capacity	kW	12.0	12.1	14.0	20.0
	Heating Capacity	kW	12.8	12.8	16.0	22.4
	EER/COP	W/W	2.80/3.76	2.80/3.76	2.81/3.48	2.81/3.50
	UK					
Cooling EN14825	Cooling Total/Sensible	kW	11.40/9.10	11.40/9.10	13.30/9.40	19.30/15.30
	Heating	kW	9.16	9.16	10.45	14.63
Cooling EN14825	Range Min. - Max.	kW	3.0 - 13.0	3.0 - 13.0	2.6 - 16.0	4.6 - 22.4
	Power Input	kW	4.29	4.29	4.99	7.12
	Pdesign	kW	-	-	-	-
	SEER/Energy Efficiency Class		-	-	-	-
	Seasonal Energy Consumption	kWh/a	-	-	-	-
Heating EN14825	Range Min. - Max.	kW	3.0 - 16.0	3.0 - 16.0	2.4 - 19.0	4.6 - 25.0
	Power Input	kW	3.40	3.40	4.60	6.40
	Pdesign	kW	-	-	-	-
	SCOP/Energy Efficiency Class		-	-	-	-
	Seasonal Energy Consumption	kWh/a	-	-	-	-

Indoor Data		RAV-	SM307MUT-E	SM307MUT-E	SM407MUT-E	SM567MUT-E
Air Flow	High - Medium - Low	l/s	177 - 144 - 122	177 - 144 - 122	183 - 153 - 130	222 - 187 - 152
	High - Medium - Low	m³/h	640 - 520 - 440	640 - 520 - 440	660 - 552 - 468	798 - 672 - 546
Sound	Pressure High - Medium - Low	dB(A)	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	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
	Weight	kg	16	16	16	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 575 x 575
	Weight	kg	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
	Height Difference Indoor To Indoor	m	±0.5	±0.5	±0.5	±0.5
	Outdoor Connection To Distributor (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	1-1/8 - 1/2
	Sub Branch Line To Indoor (gas - liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4
	Sub Branch Line To Second Dist. (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8
	Max. Subtractive Separation Between Indoors	m	5	5	5	6
	Max. Length Main Distributor To Furthest Indoor	m	15	15	15	20
	Max. Distance From Second Distributor To Indoors	m	10	10	10	10
	Drain Pipe Connection OD/ID	mm	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
Remote Controller			RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E

Outdoor Data		RAV-	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1	SM2246AT8-E
Operating Range	Cooling/Heating	°C	46 to -15/15 to -15	46 to -15/15 to -15	43 to -15/15 to -15	52 to -15/15 to -27
Air Flow	High	m³/h - l/s	4200 - 1167	4200 - 1167	6180 - 1717	9180 - 2550
Sound	Pressure High Cooling/Heating	dB(A)	54/55	54/55	51/53	58/60
	Power High Cooling/Heating	dB(A)	70/71	70/71	68/70	76/76
Unit	Height x Width x Depth	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320	1550 x 1010 x 370
	Weight	kg	68	68	99	142
Pipe Connection	Flare Connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	1-1/8 (3/4) - 1/2
	Min.-Max. Length	m	5-50	5-50	5-50	5-100
	Maximum Height Difference	m	±30	±30	±30	±30
	Drain Port Connection	mm	16	16	16	16
Refrigerant R410A	Base Charge/Chargeless Length	kg/m	2.8/32	3.1/30	3.1/32	5.9/30
	Additional Charge Main Liquid Side	g/m	40	40	40	80
	Additional Charge Second Dist. Liquid Side	g/m	20	20	20	40
	Additional Charge Sub Liquid Side	g/m	20	20	20	20
Run Current	Maximum	A	22.78	4.92	21.7	10.78
Power Cable	Outdoor to Header Indoor		3 core + earth	3 core + earth	3 core + earth	3 core + earth
Power Supply	Suggested Fuse Size	V/ph/Hz-A	220-240/1/50-32	380-415/3/50-10	220-240/1/50-32	380-415/3/50-16

## 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



## RAV Quad-Split Compact Cassette Indoor Unit

CODE			125	125	140
<b>Performance</b>					
Indoor Unit 1	RAV-		SM307MUT-E	SM307MUT-E	SM407MUT-E
Indoor Unit 2	RAV-		SM307MUT-E	SM307MUT-E	SM407MUT-E
Indoor Unit 3	RAV-		SM307MUT-E	SM307MUT-E	SM407MUT-E
Indoor Unit 4	RAV-		SM307MUT-E	SM307MUT-E	SM407MUT-E
Outdoor Unit	RAV-		SP1404AT-E1	SP1404AT8-E1	SP1604AT8-E1
Nominal	Cooling Capacity	kW	12.5	12.5	14.0
	Heating Capacity	kW	14.0	14.0	16.0
	EER/COP	W/W	3.96/4.36	3.61/4.09	3.12/3.72
	UK Cooling Total/Sensible	kW	11.90/9.50	12.10/8.40	13.50/9.00
UK Heating		kW	9.14	9.14	10.45
	Range Min. - Max.	kW	2.6 - 14.0	2.6 - 14.0	2.6 - 16.0
Cooling EN14825	Power Input	kW	3.16	3.46	4.49
	Pdesign	kW	-	-	-
	SEER/Energy Efficiency Class		-	-	-
	Seasonal Energy Consumption	kWh/a	-	-	-
	Heating EN14825	Range Min. - Max.	kW	2.4 - 16.5	2.4 - 18.0
	Power Input	kW	3.21	3.42	4.30
	Pdesign	kW	-	-	-
	SCOP/Energy Efficiency Class		-	-	-
	Seasonal Energy Consumption	kWh/a	-	-	-

<b>Indoor Data</b>		RAV-	SM307MUT-E	SM307MUT-E	SM407MUT-E
Air Flow	High - Medium - Low	l/s	177 - 144 - 122	177 - 144 - 122	183 - 153 - 130
	High - Medium - Low	m³/h	640 - 520 - 440	640 - 520 - 440	660 - 552 - 468
Sound	Pressure High - Medium - Low	dB(A)	40 - 36 - 31	40 - 36 - 31	40 - 36 - 31
	Power High - Medium - Low	dB(A)	55 - 51 - 46	55 - 51 - 46	55 - 51 - 46
Unit	Height x Width x Depth	mm	268 x 575 x 575	268 x 575 x 575	268 x 575 x 575
	Weight	kg	16	16	17
Panel	Height x Width x Depth	mm	27 x 700 x 700	27 x 700 x 700	27 x 700 x 700
	Weight	kg	3	3	3
Pipe Connection	Flare Connections (gas - liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4
	Height Difference Indoor To Indoor	m	±0.5	±0.5	±0.5
	Outdoor Connection To Distributor (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Sub Branch Line To Indoor (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4
	Sub Branch Line To Second Dist. (gas - liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4
	Max. Subtractive Separation Between Indoors	m	5	5	5
	Max. Length Main Distributor To Furthest Indoor	m	15	15	15
	Max. Distance From Second Distributor To Indoors	m	10	10	10
	Drain Pipe Connection OD/ID	mm	VP32/25	VP32/25	VP32/25
Power Cable	Indoor to Indoor		2 core + earth	2 core + earth	2 core + earth
Remote Controller			RBC-AMT32E	RBC-AMT32E	RBC-AMT32E

<b>Outdoor Data</b>		RAV-	SP1404AT-E1	SP1404AT8-E1	SP1604AT8-E1
Operating Range	Cooling/Heating	°C	43 to -15/15 to -20	46 to -15/15 to -20	46 to -15/15 to -20
Air Flow	High	m³/h - l/s	6180 - 1717	6180 - 1717	6180 - 1717
Sound	Pressure High Cooling/Heating	dB(A)	51/52	51/52	51/53
	Power High Cooling/Heating	dB(A)	68/69	68/69	68/70
Unit	Height x Width x Depth	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
	Weight	kg	93	95	95
Pipe Connection	Flare Connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Min.-Max. Length	m	3-50	3-50	3-50
	Maximum Height Difference	m	±30	±30	±30
	Drain Port Connection	mm	16	16	16
Refrigerant R410A	Base Charge/Chargeless Length	kg/m	3.1/32	3.1/32	3.1/32
	Additional Charge Main Liquid Side	g/m	40	40	40
	Additional Charge Second Dist. Liquid Side	g/m	40	40	40
	Additional Charge Sub Liquid Side	g/m	20	20	20
Run Current	Maximum	A	15.76	5.42	6.66
Power Cable	Outdoor to Header Indoor		3 core + earth	3 core + earth	3 core + earth
Power Supply	Suggested Fuse Size	V/ph/Hz-A	220-240/1/50-25	380-415/3/50-16	380-415/3/50-16

### Accessories

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