



RAV Triple-Split Ceiling Indoor Unit

CODE			121	121	140	200	230
Performance							
Indoor Unit 1		RAV-	SM408CTP-E	SM408CTP-E	SM568CTP-E	SM808CTP-E	SM808CTP-E
Indoor Unit 2		RAV-	SM408CTP-E	SM408CTP-E	SM568CTP-E	SM808CTP-E	SM808CTP-E
Indoor Unit 3		RAV-	SM408CTP-E	SM408CTP-E	SM568CTP-E	SM808CTP-E	SM808CTP-E
Outdoor Unit		RAV-	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1	SM2246AT8-E	SM2806AT8-E
Nominal	Cooling Capacity	kW	12.1	12.1	14.0	20.0	23.0
	Heating Capacity	kW	12.8	12.8	16.0	22.4	27.0
	EER/COP	W/W	2.74/3.73	2.74/3.73	3.01/3.47	2.81/3.50	2.41/3.41
UK	Cooling Total/Sensible	kW	11.50/8.40	11.50/8.40	13.30/9.30	19.30/13.50	22.20/14.90
	Heating	kW	9.16	9.16	10.45	14.63	17.63
	Range Min. - Max.	kW	3.0 - 13.2	3.0 - 13.2	3.0 - 16.0	4.6 - 22.4	4.6 - 27.0
Cooling EN14825	Power Input	kW	4.42	4.42	4.65	7.12	9.55
	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	3.0 - 18.0	4.6 - 25.0	4.6 - 31.5
	Power Input	kW	3.43	3.43	4.61	6.40	7.92
	Pdesign	kW	-	-	-	-	-
	SCOP/Energy Efficiency Class		-	-	-	-	-
Seasonal Energy Consumption	kWh/a	-	-	-	-	-	
Indoor Data							
Air Flow	High - Medium - Low	l/s	250 - 200 - 150	250 - 200 - 150	250 - 200 - 150	392 - 278 - 208	392 - 278 - 208
	High - Medium - Low	m ³ /h	900 - 720 - 540	900 - 720 - 540	900 - 720 - 540	1410 - 1002 - 750	1410 - 1002 - 750
Sound	Pressure High - Medium - Low	dB(A)	37 - 35 - 28	37 - 35 - 28	37 - 35 - 28	41 - 36 - 29	41 - 36 - 29
	Power High - Medium - Low	dB(A)	52 - 50 - 43	52 - 50 - 43	52 - 50 - 43	56 - 51 - 44	56 - 51 - 44
Unit	Height x Width x Depth	mm	235 x 950 x 690	235 x 950 x 690	235 x 950 x 690	235 x 1270 x 690	235 x 1270 x 690
	Weight	kg	23	23	23	29	29
Pipe Connection	Flare Connections (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
	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	1-1/8 - 1/2	1-1/8 - 1/2
	Sub Branch Line To Indoor (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8	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	20	20
Drain Pipe Connection OD/ID	mm	VP26/20	VP26/20	VP26/20	VP26/20	VP26/20	
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	46 to -15/15 to -15	46 to -15/15 to -15	43 to -15/15 to -15	52 to -15/15 to -27	52 to -15/15 to -27
Air Flow	High	m ³ /h - l/s	4200 - 1167	4200 - 1167	6180 - 1717	9180 - 2550	10920 - 3033
Sound	Pressure High Cooling/Heating	dB(A)	54/55	54/55	51/53	58/60	61/63
	Power High Cooling/Heating	dB(A)	70/71	70/71	68/70	76/76	78/80
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	1550 x 1010 x 370
	Weight	kg	68	68	99	142	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	1-1/8 (3/4) - 1/2
	Min.-Max. Length	m	5-50	5-50	5-50	5-100	5-100
	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	2.8/30	3.1/32	5.9/30	5.9/30
	Additional Charge Main Liquid Side	g/m	40	40	40	80	80
	Additional Charge Sub Liquid Side	g/m	20	40	20	40	40
Run Current	Maximum	A	22.78	4.92	21.7	10.78	15.06
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	220-240/1/50-32	380-415/3/50-10	220-240/1/50-32	380-415/3/50-16	380-415/3/50-20

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
TCB-DP31CE	Drain Pump	Condensate lift pump for ceiling-suspended units



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Performance					
Indoor Unit 1	RAV-		SM408CTP-E	SM408CTP-E	SM568CTP-E
Indoor Unit 2	RAV-		SM408CTP-E	SM408CTP-E	SM568CTP-E
Indoor Unit 3	RAV-		SM408CTP-E	SM408CTP-E	SM568CTP-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	3.21/3.87	3.36/3.93	3.11/3.71
UK	Cooling Total/Sensible	kW	11.90/8.70	11.90/8.70	13.30/9.30
	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	3.90	3.72	4.50
	Pdesign	kW	-	-	-
	SEER/Energy Efficiency Class		-	-	-
	Seasonal Energy Consumption	kWh/a	-	-	-
	Range Min. - Max.	kW	2.4 - 16.5	2.4 - 18.0	2.4 - 19.0
Heating EN14825	Power Input	kW	3.62	3.56	3.71
	Pdesign	kW	-	-	-
	SCOP/Energy Efficiency Class		-	-	-
	Seasonal Energy Consumption	kWh/a	-	-	-
Indoor Data					
Air Flow	High - Medium - Low	l/s	250 - 200 - 150	250 - 200 - 150	250 - 200 - 150
	High - Medium - Low	m³/h	900 - 720 - 540	900 - 720 - 540	900 - 720 - 540
Sound	Pressure High - Medium - Low	dB(A)	37 - 35 - 28	37 - 35 - 28	37 - 35 - 28
	Power High - Medium - Low	dB(A)	52 - 50 - 43	52 - 50 - 43	52 - 50 - 43
Unit	Height x Width x Depth	mm	235 x 950 x 690	235 x 950 x 690	235 x 950 x 690
	Weight	kg	23	23	23
Pipe Connection	Flare Connections (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4
	Height Difference Indoor To Indoor	m	±0.5	±0.5	±0.5
	Branch Kit (Sold Separately)		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
	Sub Branch Line To Indoor (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8
	Max. Subtractive Separation Between Indoors	m	10	10	10
	Max. Length Distributor To Furthest Indoor	m	15	15	15
	Drain Pipe Connection OD/ID	mm	VP26/20	VP26/20	VP26/20
Power Cable	Indoor to Indoor		2 core + earth	2 core + earth	2 core + earth
Remote Controller			RBC-AMT32E	RBC-AMT32E	RBC-AMT32E
Outdoor Data					
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 Sub Liquid Side	g/m	40	40	40
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

RBC-AMS41E	Remote Controller Built-In Timer	Full control including service functions with fully-programmable 7-day timer
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TCB-DP31CE	Drain Pump	Condensate lift pump for ceiling-suspended units