



RAV Twin-Split Ceiling Indoor Unit

CODE		71	100	100	125	125	140	
Performance								
Indoor Unit 1		RAV-	SM408CTP-E	SM568CTP-E	SM568CTP-E	SM808CTP-E	SM808CTP-E	
Indoor Unit 2		RAV-	SM408CTP-E	SM568CTP-E	SM568CTP-E	SM808CTP-E	SM808CTP-E	
Outdoor Unit		RAV-	SP804ATP-E	SP1104AT-E1	SP1104AT8-E1	SP1404AT-E1	SP1404AT8-E1	
Nominal	Cooling Capacity	kW	7.1	10.0	10.0	12.5	14.0	
	Heating Capacity	kW	8.0	11.2	11.2	14.0	16.0	
	EER/COP	W/W	3.82/4.17	4.08/4.69	4.22/4.43	3.21/3.87	3.36/3.93	3.11/3.71
UK	Cooling Total/Sensible	kW	6.70/5.10	9.50/7.20	9.50/7.20	11.90/8.70	11.90/8.70	13.30/9.30
	Heating	kW	5.22	7.31	7.31	9.14	9.14	10.45
Cooling EN14825	Range Min. - Max.	kW	1.9 - 8.0	2.6 - 12.0	2.6 - 12.0	2.6 - 14.0	2.6 - 14.0	2.6 - 16.0
	Power Input	kW	1.86	2.45	2.37	3.90	3.72	4.50
	Pdesign	kW	7.10	10.00	10.00	-	-	-
	SEER/Energy Efficiency Class		6.21/A++	6.18/A++	6.35/A++	-	-	-
	Seasonal Energy Consumption	kWh/a	400	567	552	-	-	-
Heating EN14825	Range Min. - Max.	kW	1.3 - 10.6	2.4 - 13.0	2.4 - 14.0	2.4 - 16.5	2.4 - 18.0	2.4 - 19.0
	Power Input	kW	1.92	2.39	2.53	3.62	3.56	4.31
	Pdesign	kW	7.60	11.60	11.60	-	-	-
	SCOP/Energy Efficiency Class		4.10/A+	4.27/A+	4.41/A+	-	-	-
	Seasonal Energy Consumption	kWh/a	2596	3800	3684	-	-	-

Indoor Data		RAV-	SM408CTP-E	SM568CTP-E	SM568CTP-E	SM808CTP-E	SM808CTP-E	SM808CTP-E
Air Flow	High - Medium - Low	l/s	250 - 200 - 150	250 - 200 - 150	250 - 200 - 150	392 - 278 - 208	392 - 278 - 208	392 - 278 - 208
	High - Medium - Low	m³/h	900 - 720 - 540	900 - 720 - 540	900 - 720 - 540	1410 - 1002 - 750	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	41 - 36 - 29
	Power High - Medium - Low	dB(A)	52 - 50 - 43	52 - 50 - 43	52 - 50 - 43	56 - 51 - 44	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	235 x 1270 x 690
	Weight	kg	23	23	23	29	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	5/8 - 3/8
	Height Difference Indoor To Indoor	m	±0.5	±0.5	±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	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	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Max. Subtractive Separation Between Indoors	m	10	10	10	10	10	10
	Max. Length Distributor To Furthest Indoor	m	10	15	15	15	15	15
	Drain Pipe Connection OD/ID	mm	VP26/20	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		RAV-	SP804ATP-E	SP1104AT-E1	SP1104AT8-E1	SP1404AT-E1	SP1404AT8-E1	SP1604AT8-E1
Operating Range	Cooling/Heating	°C	43 to -15/15 to -20	43 to -15/15 to -20	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	m³/h - l/s	3000 - 833	6060 - 1683	6060 - 1683	6180 - 1717	6180 - 1717	6180 - 1717
Sound	Pressure High Cooling/Heating	dB(A)	48/49	49/50	49/50	51/52	51/52	51/53
	Power High Cooling/Heating	dB(A)	64/65	66/67	66/67	68/69	68/69	68/70
Unit	Height x Width x Depth	mm	890 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	kg	66	93	95	93	95	95
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	5/8 - 3/8
	Min.-Max. Length	m	5-50	3-50	3-50	3-50	3-50	3-50
	Maximum Height Difference	m	±30	±30	±30	±30	±30	±30
	Drain Port Connection	mm	16	16	16	16	16	16
Refrigerant R410A	Base Charge/Chargeless Length	kg/m	2.1/32	3.1/32	3.1/32	3.1/32	3.1/32	3.1/32
	Additional Charge Main Liquid Side	g/m	40	40	40	40	40	40
	Additional Charge Sub Liquid Side	g/m	20	20	20	40	40	40
Run Current	Maximum	A	9.02	10.43	3.72	15.76	5.42	6.66
Power Cable	Outdoor to Header Indoor		3 core + earth	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	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

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