

DIGITAL INVERTER



RAV Ceiling Indoor Unit

CODE		36	50	69	100	100	
Performance							
Indoor Unit	RAV-	SM408CTP-E	SM568CTP-E	SM808CTP-E	SM1108CTP-E	SM1108CTP-E	
Outdoor Unit	RAV-	SM404ATP-E	SM564ATP-E	SM804ATP-E	SM1104ATP-E	SM1104AT8P-E	
Nominal	Cooling Capacity	kW	3.6	5.0	6.9	10.0	10.0
	Heating Capacity	kW	4.0	5.3	7.7	11.2	11.2
	EER/COP	W/W	4.34/5.13	3.11/3.90	2.90/3.62	3.22/3.81	3.22/3.81
UK	Cooling Total/Sensible	kW	3.45/2.89	4.80/3.60	6.60/5.00	9.50/7.20	9.50/7.20
	Heating	kW	2.56	3.79	5.51	8.01	8.01
Cooling EN14825	Range Min. - Max.	kW	0.9 - 4.0	1.5 - 5.6	1.5 - 7.4	3.0 - 11.2	3.0 - 11.2
	Power Input	kW	1.20	1.61	2.38	3.11	3.11
	Pdesign	kW	3.60	5.00	6.90	10.00	10.00
	SEER/Energy Efficiency Class		5.96/A+	5.41/A	5.62/A+	5.79/A+	5.79/A+
	Seasonal Energy Consumption	kWh/a	211	324	429	604	604
Heating EN14825	Range Min. - Max.	kW	0.8 - 5.0	1.5 - 6.3	1.5 - 9.0	3.0 - 12.5	3.0 - 13.0
	Power Input	kW	0.78	1.36	2.13	2.94	2.94
	Pdesign	kW	4.00	4.70	6.80	7.60	7.60
	SCOP/Energy Efficiency Class		4.98/A++	4.21/A+	4.01/A+	4.27/A+	4.27/A+
	Seasonal Energy Consumption	kWh/a	1125	1562	2372	2489	2489
Indoor Data							
Air Flow	High - Medium - Low	l/s	250 - 200 - 150	250 - 200 - 150	392 - 278 - 208	517 - 375 - 283	517 - 375 - 283
	High - Medium - Low	m ³ /h	900 - 720 - 540	900 - 720 - 540	1410 - 1002 - 750	1860 - 1350 - 1020	1860 - 1350 - 1020
Sound	Pressure High - Medium - Low	dB(A)	37 - 35 - 28	37 - 35 - 28	41 - 36 - 29	44 - 38 - 32	44 - 38 - 32
	Power High - Medium - Low	dB(A)	52 - 50 - 43	52 - 50 - 43	56 - 51 - 44	59 - 53 - 47	59 - 53 - 47
Unit	Height x Width x Depth	mm	235 x 950 x 690	235 x 950 x 690	235 x 1270 x 690	235 x 1586 x 690	235 x 1586 x 690
	Weight	kg	23	23	29	35	35
Pipe Connection	Flare Connections (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Drain Pipe Connection OD/ID	mm	VP26/20	VP26/20	VP26/20	VP26/20	VP26/20
Remote Controller			RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E
Outdoor Data							
Operating Range	Cooling/Heating	°C	46 to -15/24 to -15	46 to -15/15 to -15	46 to -15/15 to -15	46 to -15/15 to -15	46 to -15/15 to -15
Air Flow	High	m ³ /h - l/s	2220 - 616	2400 - 667	2700 - 750	4080 - 1133	4080 - 1133
Sound	Pressure High Cooling/Heating	dB(A)	49/50	46/48	48/52	53/54	53/54
	Power High Cooling/Heating	dB(A)	64/65	63/65	65/69	70/71	70/71
Unit	Height x Width x Depth	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	890 x 900 x 320	890 x 900 x 320
	Weight	kg	39	40	44	68	68
Pipe Connection	Flare Connections (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Min.-Max. Length	m	2-20	5-30	5-30	5-50	5-50
	Maximum Height Difference	m	±10	±30	±30	±30	±30
	Drain Port Connection	mm	16	16	16	16	16
Refrigerant R410A	Base Charge/Chargeless Length	kg/m	1.4/15	1.1/20	1.7/20	2.8/30	2.8/30
	Additional Charge Liquid Side	g/m	20	20	40	40	40
Run Current	Maximum	A	5.48	7.54	11.15	15.04	3.67
Power Cable	Outdoor to 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	220-240/1/50-10	220-240/1/50-16	220-240/1/50-16	220-240/1/50-20	380-415/3/50-10

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

- Ceiling installation
- Self-cleaning
- Automatic restart

- Auto-diagnosis
- Single-split
- Drain connection both sides

- Chargeless
- Low ambient cooling to -15°C DB
- Wired controller

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Please contact us for full details on 0870 8430333 or email marketing-uk@toshiba-ac.com or visit our website www.toshiba-aircon.co.uk



RAV Ceiling Indoor Unit (continued)

CODE		121	121	140	
Performance					
Indoor Unit	RAV-	SM1408CTP-E	SM1408CTP-E	SM1608CTP-E	
Outdoor Unit	RAV-	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1	
Nominal	Cooling Capacity	kW	12.1	12.1	14.0
	Heating Capacity	kW	12.8	12.8	16.0
	EER/COP	W/W	2.74/3.73	2.74/3.73	3.01/3.47
UK	Cooling Total/Sensible	kW	11.50/8.40	11.50/8.40	13.30/9.30
	Heating	kW	9.16	9.16	10.45
Cooling EN14825	Range Min. - Max.	kW	3.0 - 13.2	3.0 - 13.2	3.0 - 16.0
	Power Input	kW	4.42	4.42	4.65
	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
	Power Input	kW	3.43	3.43	4.61
	Pdesign	kW	-	-	-
	SCOP/Energy Efficiency Class		-	-	-
	Seasonal Energy Consumption	kWh/a	-	-	-
Indoor Data					
Air Flow	RAV-	SM1408CTP-E	SM1408CTP-E	SM1608CTP-E	
	High - Medium - Low	l/s	567 - 425 - 333	567 - 425 - 333	567 - 458 - 350
	High - Medium - Low	m ³ /h	2040 - 1530 - 1200	2040 - 1530 - 1200	2040 - 1650 - 1260
Sound	RAV-	SM1408CTP-E	SM1408CTP-E	SM1608CTP-E	
	Pressure High - Medium - Low	dB(A)	46 - 41 - 35	46 - 41 - 35	46 - 42 - 36
	Power High - Medium - Low	dB(A)	61 - 56 - 50	61 - 56 - 50	61 - 57 - 51
Unit	RAV-	SM1408CTP-E	SM1408CTP-E	SM1608CTP-E	
	Height x Width x Depth	mm	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690
	Weight	kg	35	35	35
Pipe Connection	RAV-	SM1408CTP-E	SM1408CTP-E	SM1608CTP-E	
	Flare Connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Drain Pipe Connection OD/ID	mm	VP26/20	VP26/20	VP26/20
Remote Controller	RAV-	SM1408CTP-E	SM1408CTP-E	SM1608CTP-E	
			RBC-AMT32E	RBC-AMT32E	RBC-AMT32E
Outdoor Data					
Operating Range	RAV-	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1	
	Cooling/Heating	°C	46 to -15/15 to -15	46 to -15/15 to -15	43 to -15/15 to -15
Air Flow	RAV-	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1	
	High	m ³ /h - l/s	4200 - 1167	4200 - 1167	6180 - 1717
Sound	RAV-	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1	
	Pressure High Cooling/Heating	dB(A)	54/55	54/55	51/53
	Power High Cooling/Heating	dB(A)	70/71	70/71	68/70
Unit	RAV-	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1	
	Height x Width x Depth	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
	Weight	kg	68	68	99
Pipe Connection	RAV-	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1	
	Flare Connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Min. -Max. Length	m	5-50	5-50	5-50
	Maximum Height Difference	m	±30	±30	±30
	Drain Pipe Connection	mm	16	16	16
Refrigerant R410A	RAV-	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1	
	Base Charge/Chargeless Length	kg/m	2.8/30	2.8/30	3.1/30
	Additional Charge Liquid Side	g/m	40	40	40
Run Current	RAV-	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1	
	Maximum	A	21.37	5.37	21.7
Power Cable	RAV-	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1	
	Outdoor to Indoor		3 core + earth	3 core + earth	3 core + earth
Power Supply	RAV-	SM1404ATP-E	SM1404AT8P-E	SM1603AT-E1	
	Suggested Fuse Size	V/ph/Hz-A	220-240/1/50-32	380-415/3/50-10	220-240/1/50-32

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

-  Ceiling installation
-  Auto-diagnosis
-  Chargeless
-  Self-cleaning
-  Single-split
-  Low ambient cooling to -15°C DB
-  Automatic restart
-  Drain connection both sides
-  Wired controller



RAV Ceiling Indoor Unit

CODE		36	50	71	100	100	125	125	140	
Performance										
Indoor Unit		RAV-	SM408CTP-E	SM568CTP-E	SM808CTP-E	SM1108CTP-E	SM1108CTP-E	SM1408CTP-E	SM1408CTP-E	SM1608CTP-E
Outdoor Unit		RAV-	SP404ATP-E	SP564ATP-E	SP804ATP-E	SP1104AT-E1	SP1104AT8-E1	SP1404AT-E1	SP1404AT8-E1	SP1604AT8-E1
Nominal	Cooling Capacity	kW	3.6	5.0	7.1	10.0	10.0	12.5	12.5	14.0
	Heating Capacity	kW	4.0	5.6	8.0	11.2	11.2	14.0	14.0	16.0
UK	EER/COP	W/W	4.34/5.13	3.65/4.38	3.82/4.17	4.08/4.69	4.22/4.43	3.21/3.87	3.36/3.93	3.11/3.71
	Cooling Total/Sensible	kW	3.45/2.89	4.80/3.60	6.70/5.10	9.50/7.20	9.50/7.20	11.90/8.70	11.90/8.70	13.30/9.30
Cooling EN14825	Heating	kW	2.56	3.66	5.22	7.31	7.31	9.14	9.14	10.45
	Range Min. - Max.	kW	0.9 - 4.0	1.2 - 5.6	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	1.20	1.37	1.86	2.45	2.37	3.90	3.72	4.50
	Pdesign	kW	3.60	5.00	7.10	10.00	10.00	-	-	-
	SEER/Energy Efficiency Class		5.96/A+	5.45/A	6.21/A++	6.18/A++	6.35/A++	-	-	-
	Seasonal Energy Consumption	kWh/a	211	321	400	567	551	-	-	-
Heating EN14825	Range Min. - Max.	kW	0.8 - 5.0	0.9 - 7.4	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	0.78	1.28	1.92	2.39	2.53	3.62	3.56	4.31
	Pdesign	kW	4.00	5.40	7.60	11.60	11.60	-	-	-
	SCOP/Energy Efficiency Class		4.98/A++	4.28/A+	4.10/A+	4.27/A+	4.41/A+	-	-	-
	Seasonal Energy Consumption	kWh/a	1125	1765	2596	3801	3685	-	-	-

Indoor Data		RAV-	SM408CTP-E	SM568CTP-E	SM808CTP-E	SM1108CTP-E	SM1108CTP-E	SM1408CTP-E	SM1408CTP-E	SM1608CTP-E
Air Flow	High - Medium - Low	l/s	250 - 200 - 150	250 - 200 - 150	392 - 278 - 208	517 - 375 - 283	517 - 375 - 283	567 - 425 - 333	567 - 425 - 333	567 - 425 - 333
	High - Medium - Low	m³/h	900 - 720 - 540	900 - 720 - 540	1410 - 1002 - 750	1860 - 1350 - 1020	1860 - 1350 - 1020	2040 - 1530 - 1200	2040 - 1530 - 1200	2040 - 1530 - 1200
Sound	Pressure High - Medium - Low	dB(A)	37 - 35 - 28	37 - 35 - 28	41 - 36 - 29	44 - 38 - 32	44 - 38 - 32	46 - 41 - 35	46 - 41 - 35	46 - 42 - 36
	Power High - Medium - Low	dB(A)	52 - 50 - 43	52 - 50 - 43	56 - 51 - 44	59 - 53 - 47	59 - 53 - 47	61 - 56 - 50	61 - 56 - 50	61 - 57 - 51
Unit	Height x Width x Depth	mm	235 x 950 x 690	235 x 950 x 690	235 x 1270 x 690	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690
	Weight	kg	23	23	29	35	35	35	35	35
Pipe Connection	Flare Connections (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Drain Pipe Connection OD/ID	mm	VP26/20	VP26/20	VP26/20	VP26/20	VP26/20	VP26/20	VP26/20	VP26/20
Remote Controller		RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E

Outdoor Data		RAV-	SP404ATP-E	SP564ATP-E	SP804ATP-E	SP1104AT-E1	SP1104AT8-E1	SP1404AT-E1	SP1404AT8-E1	SP1604AT8-E1
Operating Range	Cooling/Heating	°C	46 to -15/ 24 to -15	43 to -15/ 15 to -20	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	2400 - 667	2400 - 667	3000 - 833	6060 - 1683	6060 - 1683	6180 - 1717	6180 - 1717	6180 - 1717
Sound	Pressure High Cooling/Heating	dB(A)	45/47	47/48	48/49	49/50	49/50	51/52	51/52	51/53
	Power High Cooling/Heating	dB(A)	62/64	63/64	64/65	66/67	66/67	68/69	68/69	68/70
Unit	Height x Width x Depth	mm	550 x 780 x 290	550 x 780 x 290	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	40	44	66	93	95	93	95	95
Pipe Connection	Flare Connections (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	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	5-30	5-50	5-50	3-75	3-75	3-75	3-75	3-75
	Maximum Height Difference	m	±30	±30	±30	±30	±30	±30	±30	±30
	Drain Port Connection	mm	16	16	16	16	16	16	16	16
Refrigerant R410A	Base Charge/Chargeless Length	kg/m	1.0/20	1.4/20	2.1/30	3.1/30	3.1/30	3.1/30	3.1/30	3.1/30
	Additional Charge Liquid Side	g/m	20	20	40	40	40	40	40	40
Run Current	Maximum	A	4.98	6.55	9.02	10.43	3.72	15.76	5.42	6.66
Power Cable	Outdoor to Indoor		3 core + earth	3 core + earth	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	220-240/1/50-10	220-240/1/50-16	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
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