



Compact Cassette Indoor Unit

CODE			25	36	50
Performance					
Indoor Unit		RAV-	RM301MUT-E	RM401MUT-E	RM561MUT-E
Outdoor Unit		RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E
Nominal	Cooling Capacity	kW	2.5	3.6	5.0
	Heating Capacity	kW	3.4	4.0	5.3
	EER/COP	W/W	4.24/4.47	4/4.21	3.05/3.61
UK	Cooling Total/Sensible	kW	2.40/1.95	3.45/2.79	4.80/3.50
	Heating	kW	2.18	2.56	3.79
Cooling EN14825	Range Min. - Max.	kW	0.9 - 3.0	0.9 - 4.0	1.5 - 5.6
	Power Input	kW	0.59	0.9	1.64
	Pdesign	kW	2.50	3.60	5.00
	SEER/Energy Efficiency Class		5.94/A++	5.76/A+	5.69/A+
Heating EN14825	Seasonal Energy Consumption	kWh/a	158	235	319
	Range Min. - Max.	kW	0.8 - 4.5	0.8 - 5.0	1.5 - 6.3
	Power Input	kW	0.76	0.95	1.47
	Pdesign	kW	2.30	2.70	2.80
	SCOP/Energy Efficiency Class		4.7/A++	4.44/A+	4.37/A+
	Seasonal Energy Consumption	kWh/a	705	1032	1279
Indoor Data					
Air Flow	High - Medium - Low	l/s	178 - 144 - 122	183 - 153 - 130	222 - 187 - 152
	High - Medium - Low	m³/h	640 - 520 - 440	660 - 552 - 468	798 - 672 - 546
Sound	Pressure High - Medium - Low	dB(A)	38 - 36 - 30	41 - 36 - 32	44 - 39 - 35
	Power High - Medium - Low	dB(A)	53 - 51 - 45	56 - 51 - 47	59 - 54 - 50
Unit	Height x Width x Depth	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
	Weight	kg	15	15	15
Panel	Height x Width x Depth	mm	12 x 620 x 620	12 x 620 x 620	12 x 620 x 620
	Weight RBC-UM21PG(W)-E	kg	2.5	2.5	2.5
Pipe Connection	Flare Connections (gas - liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4
	Drain Pipe Connection OD/ID	mm	VP26/20	VP26/20	VP26/20
Remote Controller			RBC-AMTU31-E	RBC-AMTU31-E	RBC-AMTU31-E
Outdoor Data					
Operating Range	Cooling/Heating	°C	-15 to 46/-15 to 15	-15 to 46/-15 to 15	-15 to 46/-15 to 15
Air Flow	High	m³/h - l/s	1800 - 500	2200 - 611	2400 - 667
Sound	Pressure High Cooling/Heating	dB(A)	46/47	49/50	46/48
	Power High Cooling/Heating	dB(A)	61/62	64/65	63/65
Unit	Height x Width x Depth	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
	Weight	kg	33	39	40
Pipe Connection	Flare Connections (gas - liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4
	Min.-Max. Length	m	2-20	2-20	5-30
	Maximum Height Difference	m	±10	±10	±30
	Drain Port Connection	mm	16	16	16
Refrigerant	Gas - Base Charge/Chargeless Length	kg/m	R32 - 0.63/15	R32 - 0.9/15	R32 - 0.9/20
	Additional Charge Liquid Side	g/m	20	20	20
Run Current	Maximum	A	3.75	4.64	7.93
Power Cable	Outdoor to Indoor		3 core + earth	3 core + earth	3 core + earth
Power Supply	Suggested Fuse Size	V/ph/Hz-A	220-240/1/50-10	220-240/1/50-10	220-240/1/50-16

Accessories

RBC-AX32UM(W)-E	Remote Controller	Wireless infra-red controller and receiver
RBC-AMS41E	Remote Controller Built-In Timer	Full control including service functions with fully-programmable 7-day timer
RBC-MTSC1	Mini Touch Screen Controller	Mini touch screen controller with configurable icons
RBC-MTSC2	Mini Touch Screen Controller	Mini touch screen controller with configurable icons with schedule timer
RBC-AMSU51-ES	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-ASC11E	Compact Remote Controller	Simplified backlight display controller with timer off, multilingual
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-PCUC2E	Indoor Control Interface	Application control kit
TCB-TC41LE	Remote Sensor	Room temperature sensing in conditioned space
TCB-SIR41UM-E	Occupancy Sensor	Movement sensor control with 10 m diameter detection



False ceiling installation



Auto-diagnosis



Built-in drain pump



Wired controller



Self-cleaning



Single-split



Standard 600 x 600 ceiling size



Automatic restart



Louvre control



Low ambient cooling to -15°C DB



DIGITAL INVERTER



4-Way Cassette Indoor Unit

CODE		50	67	90	95	95	
Performance							
Indoor Unit		RAV-	RM561UTP-E	RM801UTP-E	GM901UTP-E	RM1101UTP-E	RM1101UTP-E
Outdoor Unit		RAV-	GM561ATP-E	GM801ATP-E	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E
Nominal	Cooling Capacity	kW	5.0	6.7	8.0	9.5	9.5
	Heating Capacity	kW	5.3	7.7	9.0	11.2	11.2
	EER/COP	W/W	3.21/3.9	3.02/3.62	3.30/3.72	3.31/3.82	3.31/3.82
UK	Cooling Total/Sensible	kW	4.80/3.60	6.40/4.80	7.83/6.35	9.10/7.56	9.10/7.56
	Heating	kW	3.79	5.51	6.12	8.01	8.01
Cooling EN14825	Range Min. - Max.	kW	1.5 - 5.6	1.5 - 8.0	1.9 - 8.8	3.0 - 11.2	3.0 - 11.2
	Power Input	kW	1.56	2.22	2.42	2.87	2.87
	Pdesign	kW	5.00	6.70	6.7	9.50	9.50
	SEER/Energy Efficiency Class (or ηsc %)		6.34/A++	5.81/A+	7.00/A++	6.15/A++	6.15/A++
	Seasonal Energy Consumption	kWh/a	285	404	389	597	597
Heating EN14825	Range Min. - Max.	kW	1.5 - 6.3	1.5 - 9.0	1.8 - 9.9	3.0 - 13.0	3.0 - 13.0
	Power Input	kW	1.36	2.13	2.65	2.93	2.93
	Pdesign	kW	2.80	5.10	5.1	8.00	8.00
	SCOP/Energy Efficiency Class (or ηsc(A) %)		4.60/A+	4.42/A+	4.60/A++	4.28/A+	4.28/A+
	Seasonal Energy Consumption	kWh/a	1459	2349	1917	2616	2616

Indoor Data		RAV-	RM561UTP-E	RM801UTP-E	GM901UTP-E	RM1101UTP-E	RM1101UTP-E
Air Flow	High - Medium - Low	l/s	292 - 242 - 217	342 - 267 - 225	444 - 306 - 250	558 - 400 - 325	558 - 400 - 325
	High - Medium - Low	m³/h	1050 - 870 - 780	1230 - 960 - 810	1600 - 1100 - 900	2010 - 1440 - 1170	2010 - 1440 - 1170
Sound	Pressure High - Medium - Low	dB(A)	32 - 29 - 28	35 - 31 - 28	40 - 36 - 33	43 - 38 - 33	43 - 38 - 33
	Power High - Medium - Low	dB(A)	47 - 44 - 43	50 - 46 - 43	55 - 51 - 48	58 - 53 - 48	58 - 53 - 48
Unit	Height x Width x Depth	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Weight	kg	20	20	24	24	24
Panel	Height x Width x Depth	mm	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950
	Weight RBC-UM31PGP(W)-E	kg	4.2	4.2	4.2	4.2	4.2
Pipe Connection	Flare Connections (gas - liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Drain Pipe Connection OD/ID	mm	VP32/25	VP32/25	VP32/25	VP32/25	VP32/25
Remote Controller			RBC-AMTU31-E	RBC-AMTU31-E	RBC-AMTU31-E	RBC-AMTU31-E	RBC-AMTU31-E

Outdoor Data		RAV-	GM561ATP-E	GM801ATP-E	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E
Operating Range	Cooling/Heating	°C	-15 to 46/-15 to 15	-15 to 46/-15 to 15	-15 to 46/-15 to 15	-15 to 46/-15 to 15	-15 to 46/-15 to 15
Air Flow	High	m³/h - l/s	2400 - 667	2700 - 750	2900 - 806	4080 - 1133	4080 - 1133
Sound	Pressure High Cooling/Heating	dB(A)	46/48	48/52	51/55	54/57	54/57
	Power High Cooling/Heating	dB(A)	63/65	65/69	68/72	70/74	70/74
Unit	Height x Width x Depth	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300	890 x 900 x 320	890 x 900 x 320
	Weight	kg	40	44	47	68	69
Pipe Connection	Flare Connections (gas - liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Min.-Max. Length	m	5-30	5-30	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	Gas - Base Charge/Chargeless Length	kg/m	R32 - 0.9/20	R32 - 0.9/20	R32 - 2.0/20	R32 - 2.1/30	R32 - 2.1/30
	Additional Charge Liquid Side	g/m	20	35	35	35	35
Run Current	Maximum	A	7.31	10.40	12.81	14.20	4.75
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	220-240/1/50-16	220-240/1/50-16	220-240/1/50-20	220-240/1/50-20	380-415/3/50-10

Accessories

RBC-AMS41E	Remote Controller Built-In Timer	Full control including service functions with fully-programmable 7-day timer
RBC-MTSC1	Mini Touch Screen Controller	Mini touch screen controller with configurable icons
RBC-MTSC2	Mini Touch Screen Controller	Mini touch screen controller with configurable icons with schedule timer
RBC-AMSU51-ES	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-ASC11E	Compact Remote Controller	Simplified backlight display controller with timer off, multilingual
RBC-AXU31U-E	Remote Controller	Wireless receiver kit for 4-Way Cassette
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



False ceiling installation



Auto-diagnosis



Built-in drain pump



Individual louvre control



Self-cleaning



Single-split



Low ambient cooling to -15°C DB



Wired controller



Automatic restart



Louvre control



Chargeless

TOSHIBA





4-Way Cassette Indoor Unit (continued)

CODE		120	120	140	140	
Performance						
Indoor Unit		RAV-	RM1401UTP-E	RM1401UTP-E	RM1601UTP-E	RM1601UTP-E
Outdoor Unit		RAV-	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E
Nominal	Cooling Capacity	kW	12.0	12.0	14.0	14.0
	Heating Capacity	kW	12.8	12.8	16.0	16.0
	EER/COP	W/W	2.8/3.76	2.8/3.76	3.12/3.61	3.12/3.61
UK	Cooling Total/Sensible	kW	11.40/8.80	11.40/8.80	13.30/9.70	13.30/9.70
	Heating	kW	9.30	9.30	10.88	10.88
Cooling EN14825	Range Min. - Max.	kW	3.0 - 13.2	3.0 - 13.2	3.0 - 16.0	3.0 - 16.0
	Power Input	kW	3.57	3.57	4.49	4.49
	Pdesign	kW	12.00	12.00	12.0	12.0
	SEER/Energy Efficiency Class (or ηsc %)		5.71/A+	5.71/A+	6.30/249.0	6.30/249.0
Heating EN14825	Seasonal Energy Consumption	kWh/a	783	783	1033	1033
	Range Min. - Max.	kW	3.0 - 16.0	3.0 - 16.0	3.0 - 18.0	3.0 - 18.0
	Power Input	kW	3.46	3.46	4.43	4.43
	Pdesign	kW	8.00	8.00	8.0	8.0
	SCOP/Energy Efficiency Class (or ηsc(A) %)		4.29/A+	4.29/A+	4.35/171.0	4.35/171.0
	Seasonal Energy Consumption	kWh/a	2672	2672	2575	2575
Indoor Data						
Air Flow	High - Medium - Low	l/s	583 - 400 - 342	583 - 400 - 342	592 - 408 - 350	592 - 408 - 350
	High - Medium - Low	m³/h	2100 - 1440 - 1230	2100 - 1440 - 1230	2130 - 1470 - 1260	2130 - 1470 - 1260
Sound	Pressure High - Medium - Low	dB(A)	44 - 38 - 34	44 - 38 - 34	45 - 40 - 36	45 - 40 - 36
	Power High - Medium - Low	dB(A)	59 - 53 - 49	59 - 53 - 49	60 - 55 - 51	60 - 55 - 51
Unit	Height x Width x Depth	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Weight	kg	24	24	24	24
Panel	Height x Width x Depth	mm	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950
	Weight RBC-UM31PGP(W)-E	kg	4.2	4.2	4.2	4.2
Pipe Connection	Flare Connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Drain Pipe Connection OD/ID	mm	VP32/25	VP32/25	VP32/25	VP32/25
Remote Controller			RBC-AMTU31-E	RBC-AMTU31-E	RBC-AMTU31-E	RBC-AMTU31-E
Outdoor Data						
Operating Range	Cooling/Heating	°C	-15 to 46/-15 to 15	-15 to 46/-15 to 15	-15 to 46/-15 to 15	-15 to 46/-15 to 15
Air Flow	High	m³/h - l/s	4200 - 1167	4200 - 1167	6900 - 1917	6900 - 1917
Sound	Pressure High Cooling/Heating	dB(A)	55/57	55/57	53/55	53/55
	Power High Cooling/Heating	dB(A)	70/74	70/74	70/72	70/72
Unit	Height x Width x Depth	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
	Weight	kg	68	69	95	94
Pipe Connection	Flare Connections (gas - liquid)	inch	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
	Maximum Height Difference	m	±30	±30	±30	±30
	Drain Port Connection	mm	16	16	16	16
Refrigerant	Gas - Base Charge/Chargeless Length	kg/m	R32 - 2.1/30	R32 - 2.1/30	R32 - 2.4/30	R32 - 2.4/30
	Additional Charge Liquid Side	g/m	35	35	35	35
Run Current	Maximum	A	20.75	6.90	21.71	7.23
Power Cable	Outdoor to 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	380-415/3/50-16	220-240/1/50-32	380-415/3/50-16

Accessories

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