



Ceiling Indoor Unit

CODE		36	50	69	90	95	
<b>Performance</b>							
<b>Indoor Unit</b>		RAV-	RM401CTP-E	RM561CTP-E	RM801CTP-E	GM901CTP-E	RM1101CTP-E
<b>Outdoor Unit</b>		RAV-	GM401ATP-E	GM561ATP-E	GM801ATP-E	GM901ATP-E	GM1101ATP-E
Nominal	Cooling Capacity	kW	3.6	5.0	6.9	8.0	9.5
	Heating Capacity	kW	4.0	5.3	7.7	9.0	11.2
	EER/COP	W/W	4.34/5.13	3.11/3.9	2.9/3.62	3.10/3.40	3.22/3.81
UK	Cooling Total/Sensible	kW	3.45/2.89	4.80/3.06	6.60/5.00	7.83/6.61	9.10/7.18
	Heating	kW	2.56	3.79	5.51	6.12	8.01
Cooling EN14825	Range Min. - Max.	kW	0.9 - 4.0	1.5 - 5.6	1.5 - 7.4	1.9 - 8.8	3.0 - 11.2
	Power Input	kW	0.83	1.61	2.38	2.58	2.95
	Pdesign	kW	3.60	5.00	6.90	6.9	9.50
	SEER/Energy Efficiency Class (or ηsc %)		6.34/A++	5.50/A	5.62/A+	6.10/A++	5.86/A+
	Seasonal Energy Consumption	kWh/a	211	324	429	459	604
Heating EN14825	Range Min. - Max.	kW	0.8 - 5.0	1.5 - 6.3	1.5 - 9.0	1.8 - 9.9	3.0 - 13.0
	Power Input	kW	0.78	1.36	2.13	2.65	2.94
	Pdesign	kW	2.70	2.80	5.10	5.10	7.60
	SCOP/Energy Efficiency Class (or ηsc(A) %)		5.1/A+++	4.32/A+	4.21/A+	4.60/A++	4.27/A+
	Seasonal Energy Consumption	kWh/a	1125	1562	2372	1917	2489

<b>Indoor Data</b>		RAV-	RM401CTP-E	RM561CTP-E	RM801CTP-E	GM901CTP-E	RM1101CTP-E
Air Flow	High - Medium - Low	l/s	250 - 200 - 150	250 - 200 - 150	392 - 278 - 208	444 - 278 - 250	517 - 375 - 283
	High - Medium - Low	m³/h	900 - 720 - 540	900 - 720 - 540	1410 - 1000 - 750	1600 - 1000 - 900	1860 - 1350 - 1020
Sound	Pressure High - Medium - Low	dB(A)	37 - 35 - 28	37 - 35 - 28	41 - 36 - 29	42 - 38 - 30	44 - 38 - 32
	Power High - Medium - Low	dB(A)	52 - 50 - 43	52 - 50 - 43	56 - 51 - 44	57 - 53 - 45	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	29	37
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-AMTU31-E	RBC-AMTU31-E	RBC-AMTU31-E	RBC-AMTU31-E	RBC-AMTU31-E

<b>Outdoor Data</b>		RAV-	GM401ATP-E	GM561ATP-E	GM801ATP-E	GM901ATP-E	GM1101ATP-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	2200 - 611	2400 - 667	2700 - 750	2900 - 806	4080 - 1133
Sound	Pressure High Cooling/Heating	dB(A)	49/50	46/48	48/52	51/55	54/57
	Power High Cooling/Heating	dB(A)	64/65	63/65	65/69	68/72	70/74
Unit	Height x Width x Depth	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300	890 x 900 x 320
	Weight	kg	39	40	44	47	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	Gas - Base Charge/Chargeless Length	kg/m	R32 - 0.9/20	R32 - 0.9/20	R32 - 1.3/20	R32 - 2.0/20	R32 - 2.1/30
	Additional Charge Liquid Side	g/m	20	20	35	35	35
Run Current	Maximum	A	4.10	7.54	11.15	12.81	14.30
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	220-240/1/50-20

<b>SYSTEM RETAIL PRICE</b>							

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-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

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



Ceiling Indoor Unit (continued)

CODE		95	121	121	140	140
<b>Performance</b>						
<b>Indoor Unit</b>		<b>RAV-</b>	<b>RM1101CTP-E</b>	<b>RM1401CTP-E</b>	<b>RM1401CTP-E</b>	<b>RM1601CTP-E</b>
<b>Outdoor Unit</b>		<b>RAV-</b>	<b>GM1101AT8P-E</b>	<b>GM1401ATP-E</b>	<b>GM1401AT8P-E</b>	<b>GM1601ATP-E</b>
Nominal	Cooling Capacity	kW	9.5	12.1	12.1	14.0
	Heating Capacity	kW	11.2	12.8	12.8	16.0
	EER/COP	W/W	3.22/3.81	2.74/3.74	2.74/3.74	3.01/3.90
UK	Cooling Total/Sensible	kW	9.10/7.18	11.50/8.40	11.50/8.40	13.30/9.30
	Heating	kW	9.30	9.30	9.30	10.88
Cooling EN14825	Range Min. - Max.	kW	3.0 - 11.2	3.0 - 13.2	3.0 - 13.2	3.0 - 16.0
	Power Input	kW	2.95	4.67	4.67	4.65
	Pdesign	kW	9.50	12.00	12.00	12.0
	SEER/Energy Efficiency Class (or ηsc %)		5.86/A+	5.36/211.4	5.36/211.4	5.90/233.0
	Seasonal Energy Consumption	kWh/a	604	660	660	831
Heating EN14825	Range Min. - Max.	kW	3.0 - 13.0	3.0 - 16.0	3.0 - 16.0	3.0 - 18.0
	Power Input	kW	2.94	3.48	3.48	4.61
	Pdesign	kW	7.60	8.0	8.0	8.0
	SCOP/Energy Efficiency Class (or ηsc(A) %)		4.27/A+	4.19/164.6	4.19/164.6	4.35/171.0
	Seasonal Energy Consumption	kWh/a	2489	2543	2543	2732
<b>Indoor Data</b>						
Air Flow	High - Medium - Low	l/s	517 - 375 - 283	567 - 425 - 333	567 - 425 - 333	567 - 425 - 333
	High - Medium - Low	m³/h	1860 - 1350 - 1020	2040 - 1530 - 1200	2040 - 1530 - 1200	2040 - 1530 - 1200
Sound	Pressure High - Medium - Low	dB(A)	44 - 38 - 32	46 - 41 - 35	46 - 41 - 35	46 - 41 - 35
	Power High - Medium - Low	dB(A)	59 - 53 - 47	61 - 56 - 50	61 - 56 - 50	61 - 56 - 50
Unit	Height x Width x Depth	mm	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690
	Weight	kg	37	37	37	37
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	VP26/20	VP26/20	VP26/20	VP26/20
Remote Controller			RBC-AMTU31-E	RBC-AMTU31-E	RBC-AMTU31-E	RBC-AMTU31-E
<b>Outdoor Data</b>						
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	4080 - 1133	4200 - 1167	4200 - 1167	6900 - 1917
Sound	Pressure High Cooling/Heating	dB(A)	54/57	55/57	55/57	53/55
	Power High Cooling/Heating	dB(A)	70/74	70/74	70/74	70/72
Unit	Height x Width x Depth	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
	Weight	kg	69	68	69	95
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 - 2.1/30	R32 - 2.4/30
	Additional Charge Liquid Side	g/m	35	35	35	35
Run Current	Maximum	A	4.75	21.40	7.15	22.48
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	380-415/3/50-10	220-240/1/50-32	380-415/3/50-16	220-240/1/50-32

Accessories

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- Ceiling installation
- Self-cleaning
- Automatic restart

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

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