

RAV R32 - Ducted Units

DIGITAL INVERTER



RAV Ducted Indoor Unit - R32

Performance

Indoor Unit		RAV-	RM561BTP-E	RM801BTP-E	GM901BTP-E	RM1101BTP-E	RM1101BTP-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	2.73/3.27	2.82/3.32	3/3.4	3.18/3.75	3.18/3.75	
UK	Cooling Total/Sensible	kW	4.80/3.60	6.30/4.90	7.83/5.78	9.10/7.37	9.10/7.37	
	Heating	kW	3.79	5.51	6.12	8.01	8.01	
Cooling EN14825	Range Min. - Max.	kW	1.5 - 5.6	1.5 - 7.4	1.9 - 8.8	3.0 - 11.2	3.0 - 11.2	
	Power Input	kW	1.83	2.38	2.67	2.99	2.99	
	Pdesign	kW	5.00	6.70	6.7	9.50	9.50	
	SEER/Energy Efficiency Class (or ηsc %)			5.28/A	5.2/A	6.10/A++	5.28/A	5.28/A
	Seasonal Energy Consumption	kWh/a		365	466	459	696	696
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	1.62	2.32	2.65	2.99	2.99	
	Pdesign	kW	2.80	5.10	5.10	7.60	7.60	
	SCOP/Energy Efficiency Class (or ηsc(A) %)			4.08/A+	4.13/A+	4.60/A++	4.19/A+	4.19/A+
	Seasonal Energy Consumption	kWh/a		1549	2450	1917	2569	2569

Indoor Data		RAV-	RM561BTP-E	RM801BTP-E	GM901BTP-E	RM1101BTP-E	RM1101BTP-E
Air Flow	High - Medium - Low	l/s	222 - 175 - 133	333 - 258 - 200	472 - 375 - 278	583 - 458 - 350	583 - 458 - 350
	High - Medium - Low	m³/h	800 - 630 - 480	1200 - 930 - 720	1700 - 1350 - 1000	2100 - 1650 - 1260	2100 - 1650 - 1260
External Static Pressure	Standard (Upper - Lower)	Pa	30 (120 - 30)	30 (120 - 30)	30 (120 - 30)	50 (120 - 30)	50 (120 - 30)
Sound	Pressure High - Medium - Low	dB(A)	33 - 29 - 25	34 - 30 - 26	37 - 33 - 30	40 - 36 - 33	40 - 36 - 33
	Power High - Medium - Low	dB(A)	48 - 44 - 40	49 - 45 - 41	52 - 48 - 45	55 - 51 - 48	55 - 51 - 48
Unit	Height x Width x Depth	mm	275 x 700 x 750	275 x 1000 x 750	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750
	Weight	kg	23	30	40	40	40
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 Upper - Lower	mm	VP25 - VP25	VP25 - VP25	VP25 - VP25	VP25 - VP25	VP25 - VP25
	Lift Pump Drain Height from Unit Base	mm	< 850	< 850	< 850	< 850	< 850
Remote Controller			RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E

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 - 1.3/20	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	8.58	11.20	12.91	14.50	4.85
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



Ducted Indoor Unit (continued)

Performance						
Indoor Unit		RAV-	RM1401BTP-E	RM1401BTP-E	RM1601BTP-E	RM1601BTP-E
Outdoor Unit		RAV-	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E
Nominal	Cooling Capacity	kW	12.1	12.1	14.0	14.0
	Heating Capacity	kW	12.8	12.8	16.0	16.0
	EER/COP	W/W	2.74/3.61	2.74/3.61	2.73/3.41	2.73/3.41
UK	Cooling Total/Sensible	kW	11.15/8.90	11.15/8.90	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	4.67	4.42	5.13	5.13
	Pdesign	kW	12.0	12.0	12.0	12.0
	SEER/Energy Efficiency Class (or ηsc %)		5.36/211.4	5.36/211.4	5.30/202.2	5.30/202.2
	Seasonal Energy Consumption	kWh/a	707	707	925	925
Heating EN14825	Range Min. - Max.	kW	3.0 - 16.0	3.0 - 16.0	3.0 - 18.0	3.0 - 18.0
	Power Input	kW	3.60	3.60	4.69	4.69
	Pdesign	kW	8.0	8.0	8.0	8.0
	SCOP/Energy Efficiency Class (or ηsc(A) %)		4.19/164.6	4.19/164.6	3.90/153.0	3.90/153.0
	Seasonal Energy Consumption	kWh/a	2569	2569	2782	2782
Indoor Data		RAV-	RM1401BTP-E	RM1401BTP-E	RM1601BTP-E	RM1601BTP-E
Air Flow	High - Medium - Low	l/s	583 - 458 - 350	583 - 458 - 350	583 - 458 - 350	583 - 458 - 350
	High - Medium - Low	m ³ /h	2100 - 1650 - 1260	2100 - 1650 - 1260	2100 - 1650 - 1260	2100 - 1650 - 1260
External Static Pressure	Standard (Upper - Lower)	Pa	50 (120 - 30)	50 (120 - 30)	50 (120 - 30)	50 (120 - 30)
Sound	Pressure High - Medium - Low	dB(A)	40 - 36 - 33	40 - 36 - 33	40 - 36 - 33	40 - 36 - 33
	Power High - Medium - Low	dB(A)	55 - 51 - 48	55 - 51 - 48	55 - 51 - 48	55 - 51 - 48
Unit	Height x Width x Depth	mm	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750
	Weight	kg	40	40	40	40
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 Upper - Lower	mm	VP25 - VP25	VP25 - VP25	VP25 - VP25	VP25 - VP25
	Lift Pump Drain Height from Unit Base	mm	< 850	< 850	< 850	< 850
Remote Controller			RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E
Outdoor Data		RAV-	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-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
Air Flow	High	m ³ /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	21.40	7.15	24.81	8.27
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