



## Ducted Indoor Unit










CODE		50	71	100	100	
<b>Performance</b>						
<b>Indoor Unit</b>		RAV-	RM561BTP-E	RM801BTP-E	RM1101BTP-E	RM1101BTP-E
<b>Outdoor Unit</b>		RAV-	GP561ATP-E	GP801AT-E	GP1101AT-E	SP1104AT8-E1
Nominal	Cooling Capacity	kW	5.0	7.1	10.0	10.0
	Heating Capacity	kW	5.6	8.0	11.2	11.2
UK	EER/COP	W/W	3.29/3.48	4.36/4.32	4.17/4.10	3.79/4.04
	Cooling Total/Sensible	kW	4.8/4.0	7.4/5.3	9.5/7.9	9.70/7.20
Cooling EN14825	Heating	kW	3.55	5.15	8.00	7.31
	Range Min. - Max.	kW	1.2 - 5.6	1.9 - 8.0	3.1 - 12.0	2.6 - 12.0
Heating EN14825	Power Input	kW	1.52	1.63	2.40	2.64
	Pdesign	kW	5.00	6.70	10.00	10.00
SEER/Energy Efficiency Class (or ηsc %)			5.6/A+	7.5/A++	6.6/A++	5.65/A+
	Seasonal Energy Consumption	kWh/a	312	466	696	619
Heating EN14825	Range Min. - Max.	kW	0.9 - 7.4	1.3 - 11.3	2.6 - 13.0	2.4 - 15.6
	Power Input	kW	1.61	1.85	2.73	2.77
SCOP/Energy Efficiency Class (or ηsc(A) %)			3.80	6.70	7.60	10.80
	Seasonal Energy Consumption	kWh/a	1254	1484	3032	3906

<b>Indoor Data</b>		RAV-	RM561BTP-E	RM801BTP-E	RM1101BTP-E	RM1101BTP-E
Air Flow	High - Medium - Low	l/s	222 - 183 - 150	333 - 258 - 200	583 - 458 - 350	583 - 458 - 350
		m³/h	800 - 660 - 540	1200 - 930 - 720	2100 - 1650 - 1260	2100 - 1650 - 1260
External Static Pressure	Standard (Upper - Lower)	Pa	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	40 - 36 - 33	40 - 36 - 33
	Power High - Medium - Low	dB(A)	48 - 44 - 40	49 - 45 - 41	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
	Weight	kg	23	30	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
	Drain Pipe Connection OD/ID	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

<b>Outdoor Data</b>		RAV-	GP561ATP-E	GP801AT-E	GP1101AT-E	SP1104AT8-E1
Operating Range	Cooling/Heating	°C	-15 to 52/-27 to 15	-15 to 52/-27 to 15	-15 to 52/-27 to 15	46 to -15/15 to -20
Air Flow	High	m³/h - l/s	2250 - 625	3180 - 883	6960 - 1934	6060 - 1683
Sound	Pressure High Cooling/Heating	dB(A)	46/48	46/48	49/50	49/50
	Power High Cooling/Heating	dB(A)	63/65	63/65	66/67	66/67
Unit	Height x Width x Depth	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
	Weight	kg	45	74	104	95
Pipe Connection	Flare Connections (gas - liquid)	inch	1/2 -1/4	5/8 -3/8	5/8 -3/8	5/8 -3/8
	Min.-Max. Length	m	3-50	3-50	3-75	3-75
	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 - 1.35/20	R32 - 1.9/30	R32 - 3.1/30	R410A - 3.1/30
	Additional Charge Liquid Side	g/m	20	35	35	40
Run Current	Maximum	A	7.66	8.95	13.06	3.72
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	220-240/1/50-16	220-240/1/50-16	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-AMS55E-ES	Remote Controller	Includes energy monitoring, 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
TCB-AX32E2	External Receiver	Independent receiver and WH-L11SE remote controller for all models
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-SF56C6BPE	Discharge Spigot 2 x 200 mm	RAV-SM40#_56#BTP-E1
TCB-SF80C6BPE	Discharge Spigot 3 x 200 mm	RAV-SM80#BTP-E1
TCB-SF160C6BPE	Discharge Spigot 4 x 200 mm	RAV-SM110#_160#BTP-E

 Concealed false ceiling installation	 Auto-diagnosis	 Low ambient cooling to -15°C DB	 Built-in drain pump
 Self-cleaning	 Single-split	 Chargeless	 Wired controller
 Automatic restart			



**Ducted Indoor Unit (continued)**

CODE			125	125	140
<b>Performance</b>					
<b>Indoor Unit</b>		<b>RAV-</b>	<b>RM1401BTP-E</b>	<b>RM1401BTP-E</b>	<b>SM1606BTP-E1</b>
<b>Outdoor Unit</b>		<b>RAV-</b>	<b>GP1401AT-E</b>	<b>SP1404AT8-E1</b>	<b>SP1604AT8-E1</b>
Nominal	Cooling Capacity	kW	12.5	12.5	14.0
	Heating Capacity	kW	14.0	14.0	16.0
	EER/COP	W/W	4.30/4.61	3.24/3.81	3.01/3.48
UK	Cooling Total/Sensible	kW	11.9/9.0	12.10/9.00	13.50/10.10
	Heating	kW	9.76	9.14	10.45
Cooling EN14825	Range Min. - Max.	kW	3.1 - 14.0	2.6 - 14.0	2.6 - 16.0
	Power Input	kW	3.57	3.86	4.65
	Pdesign	kW	12.00	12.5	14.0
	SEER/Energy Efficiency Class (or ηsc %)		6.06/239.4	5.34/210.6	5.31/209.4
	Seasonal Energy Consumption	kWh/a	629	-	-
Heating EN14825	Range Min. - Max.	kW	2.6 - 16.5	2.4 - 18.0	2.4 - 19.0
	Power Input	kW	3.63	3.67	4.60
	Pdesign	kW	8.00	11.8	12.0
	SCOP/Energy Efficiency Class (or ηsc(A) %)		4.24/166.6	3.94/154.6	3.93/154.2
	Seasonal Energy Consumption	kWh/a	3168	-	-

<b>Indoor Data</b>		<b>RAV-</b>	<b>RM1401BTP-E</b>	<b>RM1401BTP-E</b>	<b>SM1606BTP-E</b>
Air Flow	High - Medium - Low	l/s	583 - 458 - 350	583 - 458 - 350	583 - 458 - 350
	High - Medium - Low	m³/h	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 )
Sound	Pressure High - Medium - Low	dB(A)	40 - 36 - 33	40 - 36 - 33	40 - 36 - 33
	Power High - Medium - Low	dB(A)	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
	Weight	kg	40	40	40
Pipe Connection	Flare Connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Drain Pipe Connection OD/ID	mm	VP25 - VP25	VP25 - VP25	VP25 - VP25
	Lift Pump Drain Height from Unit Base	mm	< 850	< 850	< 850
Remote Controller			RBC-AMT32E	RBC-AMT32E	RBC-AMT32E

<b>Outdoor Data</b>		<b>RAV-</b>	<b>GP1401AT-E</b>	<b>SP1404AT8-E1</b>	<b>SP1604AT8-E1</b>
Operating Range	Cooling/Heating	°C	-15 to 52/-27 to 15	46 to -15/15 to -20	46 to -15/15 to -20
Air Flow	High	m³/h - l/s	6960 - 1934	6180 - 1717	6180 - 1717
Sound	Pressure High Cooling/Heating	dB(A)	50/51	51/52	51/53
	Power High Cooling/Heating	dB(A)	67/68	68/69	68/70
Unit	Height x Width x Depth	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
	Weight	kg	104	95	95
Pipe Connection	Flare Connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
	Min.-Max. Length	m	3-75	3-75	3-75
	Maximum Height Difference	m	±30	±30	±30
	Drain Port Connection	mm	16	16	16
Refrigerant	Gas - Base Charge/Chargeless Length	kg/m	R32 - 3.1/30	R410A - 3.1/30	R410A - 3.1/30
	Additional Charge Liquid Side	g/m	35	40	40
Run Current	Maximum	A	17.37	5.42	6.66
Power Cable	Outdoor to Indoor		3 core + earth	3 core + earth	3 core + earth
Power Supply	Suggested Fuse Size	V/ph/Hz-A	220-240/1/50-25	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-MTSC1	Mini Touch Screen Controller	Mini touch screen controller with configurable icons
RBC-AMS5E-ES	Remote Controller	Includes energy monitoring, 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
TCB-AX32E2	External Receiver	Independent receiver and WH-L11SE remote controller for all models
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-TC411E	Remote Sensor	Room temperature sensing in conditioned space
TCB-SF56C6BPE	Discharge Spigot 2 x 200 mm	RAV-SM40#_56#BTP-E1
TCB-SF80C6BPE	Discharge Spigot 3 x 200 mm	RAV-SM80#BTP-E1
TCB-SF160C6BPE	Discharge Spigot 4 x 200 mm	RAV-SM110#_160#BTP-E



Concealed false ceiling installation



Auto-diagnosis



Low ambient cooling to -15°C DB



Built-in drain pump



Self-cleaning



Single-split



Chargeless



Wired controller



Automatic restart