

- Compact size
- New DC fan motor for high external static pressure
- PC board panel easily accessible from the side of the unit

- Double option for air intake
- High lift drain pump reach up to 290mm
- R22 & R407c replacement technology



Ducted Systems Digital Inverter

INDOOR UNIT	RAV-	SM566BTP-E	SM806BTP-E	SM1106BTP-E	SM1406BTP-E	SM1606BTP-E	
OUTDOOR UNIT	RAV-	SM564ATP-E	SM804ATP-E	SM1104ATP-E	SM1404ATP-E	SM1603AT-E	
Cooling Capacity	(kW)	5.0 (1.5 - 5.6)	6.7 (1.5 - 7.4)	10.0 (3.0 - 11.2)	12.1 (3.0 - 13.2)	14.0 (3.0 - 16.0)	
Heating Capacity	(kW)	5.3 (1.5 - 6.3)	7.7 (1.5 - 9.0)	11.2 (3.0 - 12.5)	12.8 (3.0 - 16.0)	16.0 (3.0 - 18.0)	
UK Total Cooling / Sensible Cooling Capacity	(kW)	4.80 / 3.60	6.30 / 4.90	9.50 / 7.70	11.50 / 8.90	13.30 / 9.30	
UK Heating Capacity	(kW)	3.79	5.51	8.01	9.16	10.45	
Operating Range Cooling / Heating	(°C)	46 to -15 / 15 to -15				43 to -15 / 15 to -15	
Cooling	EER / SEER / ESEER	2.73 / 4.80 / 6.00	2.82 / 5.04 / 5.94	3.18 / 5.03 / 6.13	2.74 / 5.53 / 5.88	2.73 / 4.78 / 5.03	
	Seasonal Energy Consumption	(kWh/a)	365	466	696	-	
	Power Consumption / Energy Efficiency Class		1.83 / B	2.38 / B	3.14 / B	4.42 / A	5.13 / B
Heating	COP / SCOP / ESCOP	3.27 / 3.98 / 5.07	3.32 / 3.83 / 5.06	3.75 / 4.14 / 5.37	3.61 / 4.42 / 4.58	3.41 / 3.86 / 4.00	
	Seasonal Energy Consumption	(kWh/a)	1549	2450	2569	-	
	Power Consumption / Energy Efficiency Class		1.62 / A	2.32 / A	2.99 / A+	3.55 / A+	4.69 / A

INDOOR UNIT

Standard Air Flow H/M/L	(l/s)	222 / 175 / 133	333 / 258 / 200	583 / 458 / 350		
Standard Air Flow H/M/L	(m3/h)	798 / 630 / 480	1200 / 930 / 720	2100 / 1650 / 1260		
External Static Pressure Standard / (Upper - Lower)	(Pa)	30 / (120 - 30)			50 / (120 - 30)	
Sound Pressure Level H/M/L	(dBA)	33 / 29 / 25	34 / 30 / 26	40 / 36 / 33		
Sound Power Level H/M/L	(dBA)	48 / 44 / 40	49 / 45 / 41	55 / 51 / 48		
Height / Width / Depth	(mm)	275 / 700 / 750	275 / 1000 / 750	275 / 1400 / 750		
Total Weight	(kg)	23	30	40		
Gas Side	(mm / ")	12.7 - 1/2		15.9 - 5/8		
Liquid Side	(mm / ")	6.4 - 1/4		9.5 - 3/8		
Drain Port (inner/outer)	(mm)	25 / 32				
Power Cable From Outdoor To Indoor		3 core + earth				
Remote Controller (Standard Supplied)		RBC-AMT32E - (Wired 2-core non-polarity)				

OUTDOOR UNIT

Standard Air Flow	(l/s)	667	750	1133	1167	1717
Standard Air Flow	(m3/h)	2400	2700	4080	4200	6180
Sound Pressure Level Cooling / Heating	(dBA)	46 / 48	48 / 52	53 / 54	54 / 55	51 / 53
Sound Power Level Cooling / Heating	(dBA)	63 / 65	65 / 69	70 / 71		68 / 70
Refrigerant Base Charge / Chargeless To	(kg / m)	1.1 / 20	1.7 / 20	2.8 / 30		3.1 / 30
Refrigerant Additional Charge Main Liquid Side	(g/m)	20		40		
Minimum / maximum piping length	(m)	5 / 30			5 / 50	
Height Difference Outdoor To Indoor	(m)	±30				
Pipe Connections Gas Side	(mm / ")	12.7 - 1/2		15.9 - 5/8		
Pipe Connections Liquid Side	(mm / ")	6.4 - 1/4		9.5 - 3/8		
Drain Port Connector Hose Inner Diameter	(mm)	16				
Height / Width / Depth	(mm)	550 / 780 / 290		890 / 900 / 320		1340 / 900 / 320
Total Weight	(kg)	40	44	68		99
Maximum Run Current	(Amps)	8.58	11.15	15.18	21.37	21.70
Power Supply		1 phase 230v 50Hz				
Suggested Fused Supply	(Amps)	16		20	32	

ACCESSORIES

RBC-AMS41E	Remote Controller Built In Timer	Full control including service functions with fully programmable 7 day timer
RBC-AMS51E-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 base use applications (no service function available)
TCB-AX32E2	External Receiver	Independent receiver and WH-L115E remote controller for all models
RBC-SMF1	Fan Interface	Interface to provide an output to enable an external fan from the unit
RBC-SMTI	CN02 Connector Timer Interface Lead	Lead to provide ON/OFF control from the RBC-AMT32E remote or any central controller
TCB-TC21LE2	Remote Sensor	Ideal for allowing automatic control but room sensing required for comfort
TCB-SF56C6BPE	Discharge Spigots 2 x 200mm	RAV-SM40#-56#BTP-E, MMD-AP007#-018#BHP-E
TCB-SF80C6BPE	Discharge Spigots 3 x 200mm	RAV-SM80#BTP-E, MMD-AP024#-030#BHP-E
TCB-SF160C6BPE	Discharge Spigots 4 x 200mm	RAV-SM110#-160#BTP-E, MMD-AP036#-056#BHP-E

* RBC-AMT32E (£52) standard remote included in system price.