

- 1 & 3 phase outdoor unit
- Group control
- Piping lengths up to 70 m
- Distance between indoor units up to 20 m
- Flexible and easy to install



Twin-Split Digital Inverter

CODE		100	125	140	200	250
TWIN-SPLIT COMBINATIONS		4-WAY CASSETTE TWIN				
INDOOR UNIT 1	RAV-	SM564UTP-E	SM804UTP-E	SM804UTP-E	SM1104UTP-E	SM1404UTP-E
INDOOR UNIT 2	RAV-	SM564UTP-E	SM804UTP-E	SM804UTP-E	SM1104UTP-E	SM1404UTP-E
OUTDOOR UNIT	RAV-	SM1104ATP-E	SM1404ATP-E	SM1603AT-E	SM2244AT8-E	SM2804AT8-E

Cooling Capacity	kW	10.0 (3.0 - 11.2)	12.0 (3.0 - 13.2)	14.0 (3.0 - 16.0)	20.0 (9.8-22.4)	23.0 (9.8-27.0)	
Heating Capacity	kW	11.2 (3.0 - 13.0)	12.8 (3.0 - 16.0)	16.0 (3.0 - 18.0)	22.4 (9.8-25.0)	27.0 (9.8-31.5)	
UK Total Cooling/Sensible Cooling Capacity	kW	9.50/7.60	11.40/8.80	13.30/9.40	19.30/15.30	22.20/17.00	
UK Heating Capacity	kW	8.01	9.16	10.45	14.63	17.63	
Operating Range Cooling/Heating	°C	46 to -15/15 to -15		43 to -15/15 to -15	46 to -15/15 to -20		
Cooling	EER/SEER/ESEER	3.31/5.72/7.07	2.80/5.25/6.43	3.12/5.47/5.75	3.21/5.01/5.24	2.81/5.15/5.44	
	Seasonal Energy Consumption	kWh/a	612	799	-		
	Power Consumption/Energy Efficiency Class		3.02/A+	4.29/A	4.49/A	6.24/B	8.19/A
Heating	COP/SCOP/ESCOP	3.82/4.28/5.41	3.76/4.19/5.22	3.61/4.47/4.66	3.85/4.79/5.01	3.61/4.55/4.77	
	Seasonal Energy Consumption	kWh/a	2614	2674	-		
	Power Consumption/Energy Efficiency Class		2.93/A+	3.40/A+	4.43/A+	5.82/A++	7.48/A+

INDOOR UNIT

Standard Air Flow H/M/L	l/s	292/242/217	342/267/225		558/400/325	583/400/342
Standard Air Flow H/M/L	m³/h	1050/870/780	1230/960/810		2010/1440/1170	2100/1440/1230
Sound Pressure Level H/M/L	dBA	32/29/28	35/31/28		43/38/33	44/38/34
Sound Power Level H/M/L	dBA	47/44/43	50/46/43		58/53/48	59/53/49
Height/Width/Depth	mm	256/840/840			319/840/840	
Ceiling Panel Height/Width/Depth	mm	30/840/840				
Total Weight	kg	20			24	
Ceiling Panel Total Weight/Type	kg	4.2/RBC-U31PGP(W)-E				
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 Header Indoor		3 core + earth				
Power Cable Header Indoor To Follower Indoor		2 core + earth				
Remote Controller (Standard Supplied)		RBC-AMT32E - (Wired 2-core non-polarity)				

OUTDOOR UNIT

Standard Air Flow	l/s	1133	1167	1717	2222	2500
Standard Air Flow	m³/h	4080	4200	6180	8000	9000
Sound Pressure Level Cooling/Heating	dBA	53/54	54/55	51/53	56/57	57/58
Sound Power Level Cooling/Heating	dBA	70/71	70/71	68/70	72/74	74/75
Refrigerant Base Charge/Chargeless To	kg/m	2.8/32		3.1/32	5.9/32	
Refrigerant Additional Charge Main Liquid Side	g/m	40				80
Refrigerant Additional Charge Sub Liquid Side	g/m	20	40			
Minimum/Maximum Piping Length	m	5/50			7.5/70	
Height Difference Outdoor To Indoor	m	±30				
Height Difference Indoor To Indoor	m	±0.5				
Branch Pipes Max. Length Main Distributor To Furthest Indoor	m	15			20	
Max. Subtractive Separation Between Indoors	m	10				
Pipe Connections Gas Side Sub Branch Line To Indoor	mm - "	12.7 - 1/2	15.9 - 5/8			
Pipe Connections Liquid Side Sub Branch Line To Indoor	mm - "	6.4 - 1/4	9.5 - 3/8			
Pipe Connections Branch-Kit (Sold Separately)		RBC-TWP101E				
Pipe Connections Gas Side Main Line To Distributor	mm - "	15.9 - 5/8			28.6 - 1-1/8	
Pipe Connections Liquid Side Main Line To Distributor	mm - "	9.5 - 3/8			12.7 - 1/2	
Drain Port Connector Hose Inner Diameter	mm	16				
Height/Width/Depth	mm	890/900/320		1340/900/320	1540/900/320	
Total Weight	kg	68		99	134	
Maximum Run Current	A	14.60	20.74	21.70	13.33	15.83
Power Supply		1 phase 230 V 50 Hz			3 phase 400 V 50 Hz	
Suggested Fused Supply	A	20	32		16	20

- 1 & 3 phase outdoor unit
- Group control
- Piping lengths up to 75 m
- Distance between indoor units up to 15 m
- Flexible and easy to install



Twin-Split Super Digital Inverter

CODE		100	100	125	125	140
TWIN-SPLIT COMBINATIONS		4-WAY CASSETTE TWIN				
INDOOR UNIT 1	RAV-	SM564UTP-E	SM564UTP-E	SM804UTP-E	SM804UTP-E	SM804UTP-E
INDOOR UNIT 2	RAV-	SM564UTP-E	SM564UTP-E	SM804UTP-E	SM804UTP-E	SM804UTP-E
OUTDOOR UNIT	RAV-	SP1104AT-E	SP1104AT8-E	SP1404AT-E	SP1404AT8-E	SP1604AT8-E
Cooling Capacity	kW	10.0 (2.6 - 12.0)	10.0 (2.6 - 12.0)	12.5 (2.6 - 14.0)	12.5 (2.6 - 14.0)	14.0 (2.6 - 16.0)
Heating Capacity	kW	11.2 (2.4 - 13.0)	11.2 (2.4 - 15.6)	14.0 (2.4 - 16.5)	14.0 (2.4 - 18.0)	16.0 (2.4 - 19.0)
UK Total Cooling/Sensible Cooling Capacity	kW	9.50/7.60	9.70/7.40	11.90/9.50	12.10/8.40	13.50/9.00
UK Heating Capacity	kW	7.31		9.14		10.45
Operating Range Cooling/Heating	°C	43 to -15/15 to -20	46 to -15/15 to -20	43 to -15/15 to -20	46 to -15/15 to -20	
Cooling	EER/SEER/ESEER	4.52/6.60/7.66	4.22/6.57/7.66	3.96/6.18/6.45	3.61/5.87/6.15	3.12/5.49/5.80
	Seasonal Energy Consumption	kWh/a	530	532	-	
	Power Consumption/Energy Efficiency Class		2.21/A++	2.37/A++	3.16/A++	3.46/A+
Heating	COP/SCOP/ES COP	4.79/4.28/5.30	4.63/4.28/5.02	4.36/4.61/4.75	4.09/4.86/5.07	3.72/4.73/4.96
	Seasonal Energy Consumption	kWh/a	3795		-	
	Power Consumption/Energy Efficiency Class		2.34/A+	2.42/A+	3.21/A++	3.42/A++
INDOOR UNIT						
Standard Air Flow H/M/L	l/s	292/242/217		342/267/225		
Standard Air Flow H/M/L	m³/h	1050/870/780		1230/960/810		
Sound Pressure Level H/M/L	dB(A)	32/29/28		35/31/28		
Sound Power Level H/M/L	dB(A)	47/44/43		50/46/43		
Height/Width/Depth	mm			256/840/840		
Ceiling Panel Height/Width/Depth	mm			30/950/950		
Total Weight	kg	20				
Ceiling Panel Total Weight/Type	kg	4.2/RBC-U31PGP(W)-E				
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 Header Indoor		3 core + earth				
Power Cable Header Indoor To Follower Indoor		2 core + earth				
Remote Controller (Standard Supplied)		RBC-AMT32E - (Wired 2-core non-polarity)				
OUTDOOR UNIT						
Standard Air Flow	l/s	1683		1717		
Standard Air Flow	m³/h	6060		6180		
Sound Pressure Level Cooling/Heating	dB(A)	49/50		51/52	51/53	
Sound Power Level Cooling/Heating	dB(A)	66/67		68/69	68/70	
Refrigerant Base Charge/Chargeless To	kg/m	3.1/32				
Refrigerant Additional Charge Main Liquid Side	g/m	40				
Refrigerant Additional Charge Sub Liquid Side	g/m	20		40		
Minimum/Maximum Piping Length	m	3/50				
Height Difference Outdoor To Indoor	m	±30				
Height Difference Indoor To Indoor	m	±0.5				
Branch Pipes Max. Length Main Distributor To Furthest Indoor	m	15				
Max. Subtractive Separation Between Indoors	m	10				
Pipe Connections Gas Side Sub Branch Line To Indoor	mm - "	12.7 - 1/2		15.9 - 5/8		
Pipe Connections Liquid Side Sub Branch Line To Indoor	mm - "	6.4 - 1/4		9.5 - 3/8		
Pipe Connections Branch-Kit (Sold Separately)		RBC-TWP101E				
Pipe Connections Gas Side Main Line To Distributor	mm - "	15.9 - 5/8				
Pipe Connections Liquid Side Main Line To Distributor	mm - "	9.5 - 3/8				
Drain Port Connector Hose Inner Diameter	mm	16				
Height/Width/Depth	mm	1340/900/320				
Total Weight	kg	93	95	93	95	
Maximum Run Current	A	10.43	3.72	15.76	5.42	6.66
Power Supply		1 phase 230 V 50 Hz	3 phase 400 V 50 Hz	1 phase 230 V 50 Hz	3 phase 400 V 50 Hz	
Suggested Fused Supply	A	16	10	25	16	