

## Digital Inverter Heat Pump Systems, Ducted Units

- Unobtrusive installation above suspended ceilings for different room layouts and a wide range of applications
- High-performance operation, using digital inverter control, infra-red control (option)
- High static pressure up to 98 Pa
- Ideal for hotels, banks and similar buildings
- High-lift drain pump kit to 290 mm
- Uniform temperatures throughout the room
- Extremely quiet operation
- Twin-split also available
- Discharge spigots as standard
- **Ideal for R22 replacement**



Outdoor unit RAV Indoor unit (ducted) RAV Remote control		SM563AT-E SM562BT-E RBC-AMT32E	SM803AT-E SM802BT-E RBC-AMT32E	SM1103AT-E SM1102BT-E RBC-AMT32E	SM1403AT-E SM1402BT-E RBC-AMT32E
Cooling capacity range	kW	5.0 (1.5-5.6)	7.1 (1.5-8.0)	10.0 (3.0-11.2)	12.5 (3.0-13.2)
Heating capacity range	kW	5.6 (1.5-6.3)	8.0 (1.5-9.0)	11.2 (3.0-12.5)	14.0 (3.0-16.0)
Power input, cooling/heating	kW	1.78/1.71	2.53/2.41	3.56/3.14	4.42/4.03
EER, cooling/COP heating	W/W	2.81/3.27	2.81/3.32	2.81/3.57	2.83/3.47
Annual power consumption, cooling	kWh	890	1265	1780	2210
Energy label, cooling/heating	C/C		C/C	C/B	C/B
UK conditions - cooling capacity	kW	5.44	7.76	10.87	12.81
UK conditions - sensible cooling capacity	kW	4.20	5.85	7.64	8.73
UK conditions - heating capacity	kW	4.69	6.70	9.31	11.92

Indoor unit (ducted) RAV		SM562BT-E	SM802BT-E	SM1102BT-E	SM1402BT-E
Air flow (low/medium/high)	l/s	161/198/217	222/270/317	315/383/450	385/467/550
Air flow (low/medium/high)	m <sup>3</sup> /h	581/713/781	799/972/1141	1134/1379/1620	1386/1681/1980
Sound pressure level (low/medium/high)**	dB(A)	33/37/40	34/37/40	36/39/42	38/41/44
Sound power level (low/medium/high)	dB(A)	48/52/55	49/52/55	51/54/57	53/56/59
Dimensions, height x width x depth	mm	320 x 700 x 800*	320 x 1000 x 800*	320 x 1350 x 800*	320 x 1350 x 800*
Weight	kg	30	39	51	51
Discharge spigots	mm	2 x 200	3 x 200	4 x 200	4 x 200

Outdoor unit RAV		SM563AT-E	SM803AT-E	SM1103AT-E	SM1403AT-E
Air flow	l/s (m <sup>3</sup> /h)	667 (2400)	750 (2700)	1250 (4500)	1250 (4500)
Sound pressure level, cooling/heating*	dB(A)	46/48	48/50	53/54	53/54
Sound power level, cooling/heating	dB(A)	63/65	65/67	70/71	70/71
Dimensions, height x width x depth	mm	550 x 780 x 290	550 x 780 x 290	795 x 900 x 320	795 x 900 x 320
Weight	kg	38	42	77	77
Operating range, cooling	°C	-15 to 43	-15 to 43	-15 to 43	-15 to 43
Operating range, heating	°C	-15 to 15	-15 to 15	-15 to 15	-15 to 15
Pipe connections, gas - liquid	in	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Pipe length, maximum/minimum	m	30/5	30/5	50/5	50/5
Pipe length, pre-charged	m	20	20	30	30
Additional R410A charge	g/m	20	40	40	40
Maximum height difference, above/below	m	30/30	30/30	30/30	30/30
Max. operating current, cooling	A	7.9	10.3	15.0	17.6
Suggested fuse size	A	10	16	20	20
Power supply	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50
Supply to		Outdoor unit	Outdoor unit	Outdoor unit	Outdoor unit
Interconnecting cables		3 + E	3 + E	3 + E	3 + E