

Large Capacity Digital Inverter

- Allows connection of two, three or four indoor units of the same type
- Indoor units are in the same room, operate together and have a single remote controller **(ALL in the same MODE)**
- Outdoor unit 400V, 3 phase supply
- High efficiency twin rotary inverter compressor
- Light weight, easy to install and space saving footprint
- Requires a twin, double-twin or triple connection kit (RBC-TWP101E, RBC-DTWP101E or RBC-TRP100E).
- *Ideal for R22 replacement*



Combination Table

	RAV-SM2244AT series	Branch kit
Twin (Simultaneous Same Mode Operation)	SM110 – SM110	RBC-TWP101E
Triple (Simultaneous Same Mode Operation)	SM80 – SM80 – SM80	RBC-TRP100E
Double Twin (Simultaneous Same Mode Operation)	SM56 – SM56 – SM56 – SM56	RBC-DTWP101E

	RAV-SM2804AT series	Branch kit
Twin (Simultaneous Same Mode Operation)	SM140 – SM140	RBC-TWP101E
Triple (Simultaneous Same Mode Operation)	SM80 – SM80 – SM80	RBC-TRP100E
Double Twin (Simultaneous Same Mode Operation)	SM80 – SM80 – SM80 – SM80	RBC-DTWP101E

Large Capacity Digital Inverter, Twin Splits

Outdoor Unit Large Capacity Digital Inverter Indoor Unit	RAV	SM2244AT8-E 2 x 4 Way Cassette	SM2804AT8-E	SM2244AT8-E 2 x Ducted	SM2804AT8-E
	RAV	SM1104UT-E	SM1404UT-E	SM1102BT-E	SM1402BT-E
Cooling capacity range	kW	20 (9.8-22.4)	23 (9.8-27)	20 (9.8-22.4)	23 (9.8-27)
Heating capacity range	kW	22.4 (9.8-25.0)	28 (9.8-31.5)	22.4 (9.8-25.0)	28 (9.8-31.5)
Power Input, cooling / heating	kW	6.24 / 5.82	8.19 / 7.48	7.12 / 6.40	9.55 / 7.92
EER, cooling / COP heating	W/W	3.21 / 3.85	2.81 / 3.61	2.81 / 3.50	2.41 / 3.41
Energy Label, cooling / heating		A / A	C / A	C / B	E / B
UK Conditions Cooling **	kW	21.7	26.2	21.7	26.2
UK Conditions Sensible Cooling **	kW	14.9	17.7	14.9	17.7
UK Conditions Heating **	kW	14.0	17.4	14.0	17.4
Retail Price Indoor Units (2 off)	£	1966	2126	1990	2204
Retail Price Outdoor Unit	£	3000	3150	3000	3150
Retail Price Twin Kit (TWP101E)	£	133	133	133	133
Retail Price Controller (RBC-AMT32E)	£	52	52	52	52

Outdoor Unit Large Capacity Digital Inverter Indoor Unit	RAV	SM2244AT8-E 2 x Ceiling	SM2804AT8-E
	RAV	SM1102CT-E	SM1402CT-E
Cooling capacity range	kW	20 (9.8-22.4)	23 (9.8-27)
Heating capacity range	kW	22.4 (9.8-25.0)	28 (9.8-31.5)
Power Input, cooling / heating	kW	7.12 / 6.40	9.55 / 7.92
EER, cooling / COP heating	W/W	2.81 / 3.50	2.41 / 3.41
Energy Label, cooling / heating		C / B	E / B
UK Conditions Cooling **	kW	21.7	26.2
UK Conditions Sensible Cooling **	kW	14.9	17.7
UK Conditions Heating **	kW	14.0	17.4
Retail Price Indoor Units (2 off)	£	1690	2210
Retail Price Outdoor Unit	£	3000	3150
Retail Price Twin Kit (TWP101E)	£	133	133
Retail Price Controller (RBC-AMT32E)	£	52	52

Outdoor Unit Details	RAV	SM2244AT8-E	SM2804AT8-E
Air Flow	m ³ /min	133	133
Sound Pressure Level, Cooling / Heating	db(A)	56 / 57	57 / 58
Sound Power Level, Cooling / Heating	db(A)	72 / 74	74 / 75
Dimensions, height, width, depth	H x W x D	1540 x 900 x 320	1540 x 900 x 320
Weight	kg	133	133
Operation Range, Cooling / heating	°C	-15 to 46 / -20 to 15	-15 to 46 / -20 to 15
Pipe Connections, gas - liquid	in	1 1/8" - 1.2"	1 1/8" - 1.2"
Pipe Length Maximum/pre-charged	m	70 / 30	70 / 30
Additional R410a charge	g/m	Refer to Manual	Refer to Manual
Maximum height difference, above/below	m	30 / 30	30 / 30
Max operating Current, cooling	A	18	22
Suggested Fuse Size	A	25	25
Power supply to outdoor unit	V-ph-HZ	400 - 3 - 50	400 - 3 - 50
Interconnecting cables		3 + E	3 + E

Note ** - UK Conditions are calculated and are approximations only

Large Capacity Digital Inverter, Triple Splits

Outdoor Unit Large Capacity Digital Inverter	RAV	SM2244AT8-E	SM2804AT8-E	SM2244AT8-E	SM2804AT8-E
Indoor Unit	RAV	3 x 4 Way Cassette SM804UT-E	SM804UT-E	3 x Ducted SM802BT-E	SM802BT-E
Cooling capacity range	kW	20 (9.8-22.4)	23 (9.8-27)	20 (9.8-22.4)	23 (9.8-27)
Heating capacity range	kW	22.4 (9.8-25.0)	28 (9.8-31.5)	22.4 (9.8-25.0)	28 (9.8-31.5)
Power Input, cooling / heating	kW	7.12 / 6.40	9.55 / 7.92	7.12 / 6.40	9.55 / 7.92
EER, cooling / COP heating	W/W	3.21 / 3.85	2.41 / 3.41	2.81 / 3.50	2.41 / 3.41
Energy Label, cooling / heating		A / A	E / B	C / B	E / B
UK Conditions Cooling **	kW	21.7	26.2	21.7	26.2
UK Conditions Sensible Cooling **	kW	16.7	20.9	14.9	17.7
UK Conditions Heating **	kW	15.9	19.7	14.0	17.4
Retail Price Indoor Units (3 off)	£	2718	2718	2610	2610
Retail Price Outdoor Unit	£	3000	3150	3000	3150
Retail Price Triple Kit (TRP100E)	£	159	159	159	159
Retail Price Controller (RBC-AMT32E)	£	52	52	52	52

Outdoor Unit Large Capacity Digital Inverter	RAV	SM2244AT8-E	SM2804AT8-E	SM2244AT8-E	SM2804AT8-E
Indoor Unit	RAV	3 x Ceiling SM802CT-E	SM802CT-E	3 x Hi Wall SM802KRT-E	SM802KRT-E
Cooling capacity range	kW	20 (9.8-22.4)	23 (9.8-27)	20 (9.8-22.4)	23 (9.8-27)
Heating capacity range	kW	22.4 (9.8-25.0)	28 (9.8-31.5)	22.4 (9.8-25.0)	28 (9.8-31.5)
Power Input, cooling / heating	kW	7.12 / 6.40	9.55 / 7.92	7.12 / 6.40	9.55 / 7.92
EER, cooling / COP heating	W/W	2.81 / 3.50	2.41 / 3.41	2.81 / 3.50	2.41 / 3.41
Energy Label, cooling / heating		C / B	E / B	C / B	E / B
UK Conditions Cooling **	kW	21.7	26.2	21.7	26.2
UK Conditions Sensible Cooling **	kW	14.9	17.7	14.9	17.7
UK Conditions Heating **	kW	14.0	17.4	14.0	17.4
Retail Price Indoor Units (3 off)	£	2325	2325	1257	1257
Retail Price Outdoor Unit	£	3000	3150	3000	3150
Retail Price Triple Kit (TRP100E)	£	159	159	159	159
Retail Price Controller (RBC-AMT32E)	£	52	52	52	52

Outdoor Unit Details	RAV	SM2244AT8-E	SM2804AT8-E
Air Flow	m ³ /min	133	133
Sound Pressure Level, Cooling / Heating	db(A)	56 / 57	57 / 58
Sound Power Level, Cooling / Heating	db(A)	72 / 74	74 / 75
Dimensions, height, width, depth	H x W x D	1540 x 900 x 320	1540 x 900 x 320
Weight	kg	133	133
Operation Range, Cooling / heating	°C	-15 to 46 / -20 to 15	-15 to 46 / -20 to 15
Pipe Connections, gas - liquid	in	1 1/8" - 1.2"	1 1/8" - 1.2"
Pipe Length Maximum/pre-charged	m	70 / 30	70 / 30
Additional R410a charge	g/m	Refer to Manual	Refer to Manual
Maximum height difference, above/below	m	30 / 30	30 / 30
Max operating Current, cooling	A	18	22
Suggested Fuse Size	A	25	25
Power supply to outdoor unit	V-ph-HZ	400 - 3 - 50	400 - 3 - 50
Interconnecting cables		3 + E	3 + E

Note ** - UK Conditions are calculated and are approximations only

Large Capacity Digital Inverter, Double Twin Splits

OOOutdoor Unit Large Capacity Digital Inverter Indoor Unit	RAV	SM2244AT8-E	SM2804AT8-E	SM2244AT8-E	SM2244AT8-E	SM2804AT8-E
	RAV	4 x 4 Way Cassette SM564UT-E	SM804UT-E	4 x Compact 4 Way Cassette SM562MUT-E	4 x Ceiling SM562CT-E	SM802CT-E
Cooling capacity range	kW	20 (9.8-22.4)	23 (9.8-27)	20 (9.8-22.4)	20 (9.8-22.4)	23 (9.8-27)
Heating capacity range	kW	22.4 (9.8-25.0)	28 (9.8-31.5)	22.4 (9.8-25.0)	22.4 (9.8-25.0)	28 (9.8-31.5)
Power Input, cooling / heating	kW	7.12 / 6.40	9.55 / 7.92	7.12 / 6.40	7.12 / 6.40	9.55 / 7.92
EER, cooling / COP heating	W/W	3.21 / 3.85	2.41 / 3.41	2.81 / 3.50	2.81 / 3.50	2.41 / 3.41
Energy Label, cooling / heating	A / A		E / B	C / B	C / B	E / B
UK Conditions Cooling **	kW	21.7	26.2	21.7	21.7	26.2
UK Conditions Sensible Cooling **	kW	16.7	20.9	14.9	14.9	17.7
UK Conditions Heating **	kW	15.9	19.7	14.0	14.0	17.4
Retail Price Indoor Units (4 off)	£	3040	3624	2968	2620	3100
Retail Price Outdoor Unit	£	3000	3150	3000	3000	3150
Retail Price Double Twin Kit (1 xDTWP100E)	£	181	181	181	181	181
Retail Price Controller (RBC-AMT32E)	£	52	52	52	52	52

Outdoor Unit Large Capacity Digital Inverter Indoor Unit	RAV	SM2244AT8-E	SM2804AT8-E	SM2244AT8-E	SM2244AT8-E	SM2804AT8-E
	RAV	4 x Ducted SM562BT-E	SM802BT-E	4 x Slim Ducted SM564SDT-E	4 x Hi Wall SM562KRT-E	SM802KRT-E
Cooling capacity range	kW	20 (9.8-22.4)	23 (9.8-27)	20 (9.8-22.4)	20 (9.8-22.4)	23 (9.8-27)
Heating capacity range	kW	22.4 (9.8-25.0)	28 (9.8-31.5)	22.4 (9.8-25.0)	22.4 (9.8-25.0)	28 (9.8-31.5)
Power Input, cooling / heating	kW	7.12 / 6.40	9.55 / 7.92	7.12 / 6.40	7.12 / 6.40	9.55 / 7.92
EER, cooling / COP heating	W/W	2.81 / 3.50	2.41 / 3.41	2.81 / 3.50	2.81 / 3.50	2.41 / 3.41
Energy Label, cooling / heating	C / B		E / B	C / B	C / B	E / B
UK Conditions Cooling **	kW	21.7	26.2	21.7	21.7	26.2
UK Conditions Sensible Cooling **	kW	14.9	17.7	14.9	14.9	17.7
UK Conditions Heating **	kW	14.0	17.4	14.0	14.0	17.4
Retail Price Indoor Units (4 off)	£	2340	3480	2180	1552	1676
Retail Price Outdoor Unit	£	3000	3150	3000	3000	3150
Retail Price Double Twin Kit (1 xDTWP100E)	£	181	181	181	181	181
Retail Price Controller (RBC-AMT32E)	£	52	52	52	52	52

Outdoor Unit Details	RAV	SM2244AT8-E	SM2804AT8-E
Air Flow m ³ /min		133	133
Sound Pressure Level, Cooling / Heating	db(A)	56 / 57	57 / 58
Sound Power Level, Cooling / Heating	db(A)	72 / 74	74 / 75
Dimensions, height, width, depth	H x W x D	1540 x 900 x 320	1540 x 900 x 320
Weight	kg	133	133
Operation Range. Cooling / heating	°C	-15 to 46 / -20 to 15	-15 to 46 / -20 to 15
Pipe Connections, gas - liquid	in	1 1/8" - 1.2"	1 1/8" - 1.2"
Pipe Length Maximum/pre-charged	m	70 / 30	70 / 30
Additional R410a charge	g/m	Refer to Manual	Refer to Manual
Maximum height difference, above/below	m	30 / 30	30 / 30
Max operating Current, cooling	A	18	22
Suggested Fuse Size	A	25	25
Power supply to outdoor unit	V-ph-HZ	400 - 3 - 50	400 - 3 - 50
Interconnecting cables		3 + E	3 + E

Note ** - UK Conditions are calculated and are approximations only