

DIGITAL INVERTER HEAT PUMP

PRELIMINARY SPECIFICATION

TWIN-SPLIT COMBINATIONS		High Wall		Compact Cassette		Slim Ducted	Ceiling
INDOOR UNIT 1	RAV-	SM30/KRTP-E	SM407KRTP-E	SM304MUT-E	SM404MUT-E	SM304SDT-E	SM407CTP-E
INDOOR UNIT 2	RAV-	SM307KRTP-E	SM407KRTP-E	SM304MUT-E	SM404MUT-E	SM304SDT-E	SM407CTP-E
OUTDOOR UNIT	RAV-	SM564ATP-E	SM804A1P-E	SM564ATP-E	SM804ATP-E	SM564ATP-E	SM804A1P-E
Cooling Capacity	(kW)	5.0 (1.5 - 5.6)	6.7 (1.5 - 7.4)	5.0 (1.5 - 5.6)	6.7 (1.5 - 8.0)	5.0 (1.5 - 5.6)	6.9 (1.5 - 7.4)
Heating Capacity	(kW)	5.3 (1.5 - 6.3)	7.7 (1.5 - 9.0)	5.3 (1.5 - 6.3)	7.7 (1.5 - 9.0)	5.3 (1.5 - 6.3)	7.7 (1.5 - 9.0)
UK Total Cooling / Sensible Cooling Capacity	(kW)	4.80 / 3.40	6.40 / 4.50	4.80 / 3.50	6.40 / 4.20	4.80 / 3.30	6.60 / 5.00
UK Heating Capacity	(kW)	3.79	5.51	3.79	5.51	3.79	5.51
Operating Range Cooling / Heating	(°C)	46 to -15 / 15 to -15	46 to -15 / 15 to -15	46 to -15 / 15 to -15	46 to -15 / 15 to -15	46 to -15 / 15 to -15	46 to -15 / 15 to -15
EER / SEER / ESEER		3.01 / 5.77 / 7.02	2.75 / 5.62 / 6.71	3.03 / 5.48 / 6.78	3.02 / 5.81 / 6.91	2.82 / 5.06 / 6.15	2.90 / 5.62 / 6.79
Cooling Seasonal Energy Consumption	(kWh/a)	304	417	319	404	346	429
Power Consumption / Energy Efficiency Class		1.66 / A+	2.44 / A+	1.65 / A	2.22 / A+	1.91 / B	2.38 / A+
COP / SCOP / ESCOP		3.42 / 4.00 / 4.78	2.95 / 4.01 / 5.07	3.49 / 4.16 / 5.38	3.62 / 4.05 / 5.63	3.63 / 4.06 / 5.21	3.62 / 4.01 / 5.15
Heating Seasonal Energy Consumption	(kWh/a)	1539	2198	1480	2349	1517	2372
Power Consumption / Energy Efficiency Class		1.55 / A	2.61 / A+	1.52 / A+	2.13 / A+	1.50 / A+	2.13 / A+
INDOOR UNIT							
Standard Air Flow H/M/L	(l/s)	158 / 126 / 83	191 / 145 / 83	177 / 144 / 122	183 / 153 / 130	183 / 155 / 133	250 / 200 / 150
Standard Air Flow H/M/L	(m³/h)	570 / 462 / 300	690 / 522 / 300	640 / 520 / 440	660 / 552 / 468	660 / 560 / 480	900 / 720 / 540
External Static Pressure Standard / (Upper - Lower)	(Pa)	-	-	-	-	10 / (10 - 50)	-
Sound Pressure Level H/M/L	(dBA)	40 / 34 / 29	45 / 40 / 30	40 / 36 / 31	40 / 36 / 31	39 / 36 / 33	37 / 35 / 28
Sound Pressure Level Under Inlet H/M/L	(dBA)	-	-	-	-	-	-
Sound Power Level H/M/L	(dBA)	56 / 52 / 44	60 / 55 / 45	55 / 51 / 46	55 / 51 / 46	45 / 43 / 41	52 / 50 / 43
Sound Power Level Under Inlet H/M/L	(dBA)	-	-	-	-	54 / 51 / 48	-
Height / Width / Depth	(mm)	275 / 790 / 217	275 / 790 / 217	268 / 575 / 575	268 / 575 / 575	210 / 845 / 645	235 / 950 / 690
Ceiling Panel Height / Width / Depth	(mm)	-	-	27 / 700 / 700	27 / 575 / 575	-	-
Total Weight	(kg)	10	10	16	17	22	23
Ceiling Panel Total Weight	(kg)	-	-	3	3	-	-
Gas Side	(mm / °)	9.5 - 3/8	12.7 - 1/2	9.5 - 3/8	12.7 - 1/2	9.5 - 3/8	12.7 - 1/2
Liquid Side	(mm / °)	6.4 - 1/4	6.4 - 1/4	6.4 - 1/4	6.4 - 1/4	6.4 - 1/4	6.4 - 1/4
Drain Port	(mm)	VP16	VP16	VP25	VP25	VP25	VP20
Power Cable From Outdoor To Header Indoor		3 core + earth	3 core + earth	3 core + earth	3 core + earth	3 core + earth	3 core + earth
Power Cable Header Indoor To Follower Indoor		2 core + earth	2 core + earth	2 core + earth	2 core + earth	2 core + earth	2 core + earth
Remote Controller (Standard Supplied)		WH-L1/SE	WH-L17SE	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E
OUTDOOR UNIT							
Standard Air Flow	(l/s)	667	750	667	687	667	750
Standard Air Flow	(m³/h)	2400	2700	2400	2400	2400	2700
Sound Pressure Level Cooling / Heating	(dBA)	46 / 48	48 / 52	46 / 48	46 / 48	48 / 48	48 / 52
Sound Power Level Cooling / Heating	(dBA)	63 / 65	65 / 69	63 / 65	63 / 65	63 / 65	65 / 69
Refrigerant Base Charge / Chargeless To	(kg / m)	1.1 / 20	1.7 / 20	1.1 / 20	1.1 / 20	1.1 / 20	1.7 / 20
Refrigerant Additional Charge Main Liquid Side	(g/m)	20	40	20	20	20	40
Refrigerant Additional Charge Sub Liquid Side	(g/m)	20	20	20	20	20	20
Minimum / maximum piping length	(m)	5 / 30	5 / 30	5 / 30	5 / 30	5 / 30	5 / 30
Height Difference Outdoor To Indoor	(m)	30	30	30	30	30	30
Height Difference Indoor To Indoor	(m)	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5
Branch Pipes Max. Length Main Distributor To Furthest Indoor	(m)	10	10	10	10	10	10
Max. Subtractive Separation Between Indoors	(m)	5	5	5	5	5	5
Pipe Connections Gas Side Sub Branch Line To Indoor	(mm / °)	9.5 - 3/8	12.7 - 1/2	9.5 - 3/8	9.5 - 3/8	9.5 - 3/8	12.7 - 1/2
Pipe Connections Liquid Side Sub Branch Line To Indoor	(mm / °)	6.4 - 1/4	6.4 - 1/4	6.4 - 1/4	6.4 - 1/4	6.4 - 1/4	6.4 - 1/4
Pipe Connections Gas Side Main Line To Distributor	(mm)	12.7 - 1/2	15.9 - 5/8	12.7 - 1/2	12.7 - 1/2	12.7 - 1/2	15.9 - 5/8
Pipe Connections Liquid Side Main Line To Distributor	(mm)	6.4 - 1/4	9.5 - 3/8	6.4 - 1/4	6.4 - 1/4	6.4 - 1/4	9.5 - 3/8
Drain Port Connector Hose Inner Diameter	(mm)	16	16	16	16	16	16
Height / Width / Depth	(mm)	550 / 780 / 290	550 / 780 / 290	550 / 780 / 290	550 / 780 / 290	550 / 780 / 290	550 / 780 / 290
Total Weight	(kg)	33	39	33	33	33	39
Maximum Run Current	(Amps)	7.78	12.23	7.78	7.78	7.78	12.23
Power Supply		1 phase 230v 50Hz	1 phase 230v 50Hz	1 phase 230v 50Hz	1 phase 230v 50Hz	1 phase 230v 50Hz	1 phase 230v 50Hz
Suggested Fused Supply	(Amps)	16	16	16	16	16	16