

## SALES BULLETIN UPDATE

### VRF to RAV Conversion Kit RBC-CK1

- VRF Indoor integration with Digital/Super Digital Inverter Outdoor
- Indoor Chassis Unit Ideal For Concealed Areas

*\*Available Now\**

**TOSHIBA** are pleased to announce the addition of the 1Hp & 1.5Hp concealed chassis unit to the line up to the RBC-CK1 conversion kit.



#### 1. Line-Up

Capacity Range HP	New Model	Rated Capacity (kW)		Dimension H x W x D (mm)	Weight (kg)
		Cooling	Heating		
0.8	MML-AP0074BH-E	2.2	2.5	600 x 745 x 220	21
1.0	MML-AP0094BH-E	2.8	3.2		
1.25	MML-AP0124BH-E	3.6	4.0		
1.7	MML-AP0154BH-E	4.5	5.0	1750 x 600 x 390	29
2.0	MML-AP0184BH-E	5.6	6.3		
2.5	MML-AP0244BH-E	7.1	8.0		

#### 2. Connectable Outdoor Units

Capacity Range HP	Outdoor Model	Rated Capacity (kW)		Dimension H x W x D (mm)	Weight (kg)
		Cooling	Heating		
1.0	RAV-SM304ATP-E	2.5	3.4	550 x 780 x 290	33
1.5	RAV-SM404ATP-E	3.4	4.0		39
2.0	RAV-SM564ATP-E	5.0	5.3		40
2.5	RAV-SM804ATP-E	6.7	7.7		44
1.5	RAV-SP404ATP-E	3.6	4.0		40
2.0	RAV-SP564ATP-E	5.0	5.6	890 x 900 x 320	44
2.5	RAV-SP804ATP-E	7.1	8.0		66

#### 3. Availability

4 Series MML-AP\_BH-E ex-stock  
RBC-CK1 ex-stock

For further information please contact our customer support team on 0870 843 0333, your local representative, your supplier of **TOSHIBA** products or email any enquiries to: - [general.enquiries@toshiba-ac.com](mailto:general.enquiries@toshiba-ac.com)



### PRELIMINARY SPECIFICATION

### DIGITAL INVERTER

CONCEALED CHASSIS						
INDOOR UNIT	MML-	AP0074BH-E	AP0094BH-E	AP0124BH-E	AP0184BH-E	AP0244BH-E
CONVERSION KIT	RBC-	CK1	CK1	CK1	CK1	CK1
OUTDOOR UNIT	RAV-	SM304ATP-E	SM404ATP-E	SM404ATP-E	SM564ATP-E	SM804ATP-E
Cooling Capacity	(kW)	2.5 (0.9 - 3.0)	2.5 (0.9 - 3.0)	3.6 (0.9 - 4.0)	5.0 (1.5 - 5.6)	6.7 (1.5 - 7.4)
Heating Capacity	(kW)	3.4 (0.8 - 4.5)	3.4 (0.8 - 4.5)	4.0 (0.8 - 5.0)	5.3 (1.5 - 6.3)	7.7 (1.5 - 9.0)
UK Total Cooling/Sensible Cooling Capacity	(kW)	2.00 / 1.30	2.50 / 1.50	3.30 / 2.10	5.10 / 3.30	6.40 / 4.20
UK Heating Capacity	(kW)	1.70	2.20	2.70	4.30	5.40
Operating Range Cooling/Heating	(°C)	46 to -15 / 24 to -15	46 to -15 / 24 to -15	46 to -15 / 24 to -15	46 to -15 / 15 to -15	46 to -15 / 15 to -15
Cooling	EER	4.10	4.10	3.19	3.11	2.90
Heating	COP	4.00	4.00	3.57	3.90	3.62
<b>INDOOR UNIT</b>						
Fan Motor Power Consumption	(kW)	0.056	0.056	0.056	0.055	0.089
Running Current	(Amps)	0.25	0.25	0.25	0.38	0.6
Starting Current	(Watts)	0.60	0.60	0.60	0.53	0.84
Motor Output	(Watts)	19	19	19	62	62
Standard Air Flow H/M/L	(l/s)	133/117/83	133/117/83	133/117/83	250/217/17	333/275/67
Standard Air Flow H/M/L	(m3/min)	8/7/5	8/7/5	8/7/5	15/13/11	20/17/14
Standard Air Flow H/M/L	(m3/h)	460/400/300	460/400/300	460/400/300	900/780/660	1200/990/840
Sound Pressure Level H/M/L	(dBA)	36/34/32	36/34/32	36/34/32	46/42/37	49/45/39
Sound Power Level H/M/L	(dBA)	51/49/47	51/49/47	51/49/47	64/60/55	67/63/57
Main Unit Height/Width/Depth	(mm)	600/745/220	600/745/220	600/745/220	1750/600/210	1750/600/210
Main Unit Total Weight	(kg)	21	21	21	46	47
Gas Side	(mm")	9.5 - 3/8	9.5 - 3/8	9.5 - 3/8	12.7 - 1/2	15.9 - 5/8
Liquid Side	(mm")	6.4 - 1/4	6.4 - 1/4	6.4 - 1/4	6.4 - 1/4	9.5 - 3/8
Drain Port	(mm)	20 male screw	20 male screw	20 male screw	20 male screw	20 male screw
Power Cable From Outdoor To Indoor		3 core + earth	3 core + earth	3 core + earth	3 core + earth	3 core + earth
Remote Controller		Required	Required	Required	Required	Required
<b>OUTDOOR UNIT</b>						
Standard Air Flow	(l/s)	500	616	616	667	750
Standard Air Flow	(m3/h)	1800	2220	2220	2400	2700
Sound Pressure Level Cooling/Heating	(dBA)	46/47	49/50	49/50	46/48	48/52
Sound Power Level Cooling/Heating	(dBA)	61/62	64/65	64/65	63/65	65/69
Refrigerant Base Charge/Chargeless To	(kg/m)	0.8/15	1.4/15	1.4/15	1.1/20	1.7/20
Refrigerant Additional Charge Main Liquid Side	(g/m)	20	20	20	20	40
Minimum/maximum piping length	(m)	2/20	2/20	2/20	5 / 30	5 / 30
Height Difference Outdoor To Indoor	(m)	10	10	10	±30	±30
Pipe Connections Gas Side	(mm")	9.52 - 3/8	12.7 - 1/2	12.7 - 1/2	12.7 - 1/2	15.9 - 5/8
Pipe Connections Liquid Side	(mm")	6.4 - 1/4	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
Height/Width/Depth	(mm)	550/780/290	550/780/290	550/780/290	550/780/290	550/780/290
Total Weight	(kg)	33	39	39	40	44
Maximum Run Current	(Amps)	3.86	5.14	5.14	7.31	10.40
Power Supply		1 phase 230v 50Hz	1 phase 230v 50Hz	1 phase 230v 50Hz	1 phase 230v 50Hz	1 phase 230v 50Hz
Suggested Fused Supply	(Amps)	10	10	10	16	16

### PRELIMINARY SPECIFICATION

### SUPER DIGITAL INVERTER

CONCEALED CHASSIS				
INDOOR UNIT	MML-	AP0124BH-E	AP0184BH-E	AP0244BH-E
CONVERSION KIT	RBC-	CK1	CK1	CK1
OUTDOOR UNIT	RAV-	SP404ATP-E	SP564ATP-E	SP804ATP-E
Cooling Capacity	(kW)	3.6 (0.9 - 4.0)	5.0 (1.2 - 5.6)	7.1 (1.9 - 8.0)
Heating Capacity	(kW)	4.0 (0.8 - 5.0)	5.6 (0.9 - 7.3)	8.0 (1.3 - 10.6)
UK Total Cooling/Sensible Cooling Capacity	(kW)	3.45 / 2.70	4.80 / 3.40	6.70 / 4.70
UK Heating Capacity	(kW)	2.56	3.66	5.22
Operating Range Cooling/Heating	(°C)	46 to -15 / 24 to -15	43 to -15 / 15 to -20	43 to -15 / 15 to -20
Cooling	EER	3.19	3.47	3.21
Heating	COP	3.57	3.73	3.42
<b>INDOOR UNIT</b>				
Fan Motor Power Consumption	(kW)	0.056	0.055	0.089
Running Current	(Amps)	0.25	0.38	0.6
Starting Current	(Watts)	0.60	0.53	0.84
Motor Output	(Watts)	19	62	62
Standard Air Flow H/M/L	(l/s)	133/117/83	250/217/17	333/275/67
Standard Air Flow H/M/L	(m3/min)	8/7/5	15/13/11	20/17/14
Standard Air Flow H/M/L	(m3/h)	460/400/300	900/780/660	1200/990/840
Sound Pressure Level H/M/L	(dBA)	36/34/32	46/42/37	49/45/39
Sound Power Level H/M/L	(dBA)	51/49/47	64/60/55	67/63/57
Main Unit Height/Width/Depth	(mm)	600/745/220	1750/600/210	1750/600/210
Main Unit Total Weight	(kg)	21	46	47
Gas Side	(mm")	9.5 - 3/8	12.7 - 1/2	15.9 - 5/8
Liquid Side	(mm")	6.4 - 1/4	6.4 - 1/4	9.5 - 3/8
Drain Port	(mm)	20 male screw	20 male screw	20 male screw
Power Cable From Outdoor To Indoor		3 core + earth	3 core + earth	3 core + earth
Remote Controller		Required	Required	Required
<b>OUTDOOR UNIT</b>				
Standard Air Flow	(l/s)	667	667	833
Standard Air Flow	(m3/h)	2400	2400	3000
Sound Pressure Level Cooling/Heating	(dBA)	45 / 47	47 / 48	48 / 49
Sound Power Level Cooling/Heating	(dBA)	62 / 64	63 / 64	64 / 65
Refrigerant Base Charge/Chargeless To	(kg/m)	1.0 / 20	1.4 / 20	2.1 / 30
Refrigerant Additional Charge Main Liquid Side	(g/m)	20	20	40
Minimum/maximum piping length	(m)	5 / 30	5 / 50	5 / 50
Height Difference Outdoor To Indoor	(m)	±30	±30	±30
Pipe Connections Gas Side	(mm")	12.7 - 1/2	12.7 - 1/2	15.9 - 5/8
Pipe Connections Liquid Side	(mm")	6.4 - 1/4	6.4 - 1/4	9.5 - 3/8
Drain Port Connector Hose Inner Diameter	(mm)	16	16	16
Height/Width/Depth	(mm)	550 / 780 / 290	550 / 780 / 290	890 / 900 / 320
Total Weight	(kg)	40	44	66
Maximum Run Current	(Amps)	4.98	6.55	9.02
Power Supply		1 phase 230v 50Hz	1 phase 230v 50Hz	1 phase 230v 50Hz
Suggested Fused Supply	(Amps)	10	16	16