

## PRODUCT BULLETIN

### NEW Digital Inverter Outdoors

- RAV-SM1104AT8P-E
- RAV-SM1404AT8P-E

**\*\* Available Q2 2017 \*\***

**TOSHIBA** are pleased to announce the launch of the new Digital Inverter 4 and 5HP 3-phase outdoor units to extended the light commercial system range.



#### 1. Product Line Up

Digital Inverter		
HP	Current Model	Note
4	RAV-SM1104AT8P-E	Standard
5	RAV-SM1404AT8P-E	Standard

#### 2. Specifications

See attached tables

#### 3. Features

First 4 & 5HP DI 3Ph with a small compact chassis  
Cooling operation range increased to 46°C

#### 4. Availability

Q2 2017

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)

			Indoor Unit																
			Single System						Twin System										
			4-way cassette		Standard ducted		Ceiling suspended		4-way cassette		Compact cassette		Slim ducted		Standard ducted		Ceiling suspended		High wall
			RAV-SM1104UTP-E	RAV-SM1404UTP-E	RAV-SM1106BTP-E1	RAV-SM1406BTP-E	RAV-SM1108CTP-E	RAV-SM1406CTP-E	RAV-SM564UTP-E x 2	RAV-SM804UTP-E x 2	RAV-SM564MUT-E x 2	RAV-SM564SDT-E x 2	RAV-SM566BTP-E1 x 2	RAV-SM806BTP-E1 x 2	RAV-SM568CTP-E x 2	RAV-SM808CTP-E x 2	RAV-SM566KRT-E x 2	RAV-SM806KRT-E x 2	
Outdoor Unit	DI	RAV-SM1104AT8P-E	✓		✓		✓		✓		✓	✓	✓		✓		✓		✓
	DI	RAV-SM1404AT8P-E		✓		✓		✓		✓				✓		✓			✓

Indoor Unit 1				RAV-SM1104UTP-E	RAV-SM1404UTP-E	RAV-SM1106BTP-E1	RAV-SM1406BTP-E	
Indoor Unit 2				-	-	-	-	
Outdoor Unit				RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	
Cooling Capacity			(kw)	10.0	12.1	10.0	12.1	
Heating Capacity			(kw)	11.2	12.8	11.2	12.8	
Power Supply				3 Phase 415v 50Hz	3 Phase 415v 50Hz	3 Phase 415v 50Hz	3 Phase 415v 50Hz	
Electrical Characteristics	Cooling	Energy Label		A+	A	A	-	
		Running Current		(A)	-	-	-	-
		Power Consumption		(kw)	3.02	3.57	3.14	4.42
		Power Factor		(%)	94	94	94	94
		EER		(W/W)	3.31	2.80	3.18	2.74
	SEER			5.87	5.36	5.10	-	
	Heating	Energy Label		A+	A+	A+	-	
		Running Current		(A)	-	-	-	-
		Power Consumption		(kw)	2.93	3.40	2.99	3.55
		Power Factor		(%)	94	94	94	94
COP		(W/W)	3.82	3.76	3.75	3.61		
SCOP			4.28	4.19	4.14	-		
Indoor Unit				RAV-SM1104UTP-E	RAV-SM1404UTP-E	RAV-SM1106BTP-E1	RAV-SM1406BTP-E	
Fan Unit		Fan		Turbo Fan	Turbo Fan	Centrifugal Fan	Centrifugal Fan	
		Standard Air Flow	H/M/L	(m³/min)	2010/1440/1170	2100/1440/1230	2100/1650/1260	2100/1650/1260
		Motor		(W)	68	72	250	250
Sound Pressure Level		H/M/L	(dBA)	43/38/33	44/38/34	40/36/33	40/36/33	
Sound Power Level		H/M/L	(dBA)	58/53/48	59/53/49	55/51/48	55/51/48	
Outdoor Unit				RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	
Dimensions (H x W x D)			(mm)	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	
Total Weight			(kg)	68	68	68	68	
Pipe	Min Length		(m)	5	5	5	5	
	Max Total Length		(m)	50	50	50	50	
	Standard Air Flow High		(m³/min)	4080	4200	4080	4200	
Connecting Pipe	Gas	Main	(mm)	15.9	15.9	15.9	15.9	
	Liquid	Main	(mm)	9.5	9.5	9.5	9.5	
Sound Pressure Level		Cooling/Heating	(dBA)	53/54	54/55	53/54	54/55	
Sound Power Level		Cooling/Heating	(dBA)	70/71	70/71	70/71	70/71	
Outside Air Temperature Cooling			(°C)	-15/46	-15/46	-15/46	-15/46	
Outside Air Temperature Heating			(°C)	-15/15	-15/15	-15/15	-15/15	

Indoor Unit 1				RAV-SM1108CTP-E	RAV-SM1408CTP-E	RAV-SM564UTP-E	RAV-SM804UTP-E	
Indoor Unit 2				-	-	RAV-SM564UTP-E	RAV-SM804UTP-E	
Outdoor Unit				RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	
Cooling Capacity			(kw)	10.0	12.1	10.0	12.1	
Heating Capacity			(kw)	11.2	12.8	11.2	12.8	
Power Supply				3 Phase 415v 50Hz	3 Phase 415v 50Hz	3 Phase 415v 50Hz	3 Phase 415v 50Hz	
Electrical Characteristics	Cooling	Energy Label		A+	-	A+	A	
		Running Current		(A)	-	-	-	
		Power Consumption		(kw)	3.11	4.42	3.02	4.29
		Power Factor		(%)	94	94	94	94
		EER		(W/W)	3.22	2.74	3.31	2.80
		SEER			5.79	-	5.72	5.25
	Heating	Energy Label		A+	-	A+	A+	
		Running Current		(A)	-	-	-	
		Power Consumption		(kw)	2.94	3.43	2.93	3.40
		Power Factor		(%)	94	94	94	94
		COP		(W/W)	3.81	3.73	3.82	3.76
		SCOP			4.27	-	4.28	4.19
Indoor Unit				RAV-SM1108CTP-E	RAV-SM1408CTP-E	RAV-SM564UTP-E	RAV-SM804UTP-E	
Fan Unit	Fan			Centrifugal Fan	Centrifugal Fan	Turbo Fan	Turbo Fan	
	Standard Air Flow	H/M/L	(m <sup>3</sup> /min)	1860/1350/1020	2040/1530/1200	1050/870/780	1230/960/810	
	Motor		(W)	139	139	14	20	
Sound Pressure Level		H/M/L	(dBA)	44/38/32	46/41/35	32/29/28	35/31/28	
Sound Power Level		H/M/L	(dBA)	59/53/47	61/56/50	47/44/43	50/46/43	
Outdoor Unit				RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	
Dimensions (H x W x D)			(mm)	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	
Total Weight			(kg)	68	68	68	68	
Pipe	Min Length		(m)	5	5	5	5	
	Max Total Length		(m)	50	50	50	50	
	Standard Air Flow High		(m <sup>3</sup> /min)	4080	4200	4080	4200	
Connecting Pipe	Gas	Main/Branch	(mm)	15.9	15.9	15.9/12.7	15.9/12.7	
	Liquid	Main/Branch	(mm)	9.5	9.5	9.5/6.4	9.5/6.4	
Sound Pressure Level		Cooling/Heating	(dBA)	53/54	54/55	53/54	54/55	
Sound Power Level		Cooling/Heating	(dBA)	70/71	70/71	70/71	70/71	
Outside Air Temperature Cooling			(°C)	-15/46	-15/46	-15/46	-15/46	
Outside Air Temperature Heating			(°C)	-15/15	-15/15	-15/15	-15/15	

Indoor Unit 1			RAV-SM564MUT-E	RAV-SM566BTP-E1	RAV-SM806BTP-E1	RAV-SM564SDT-E	
Indoor Unit 2			RAV-SM564MUT-E	RAV-SM566BTP-E1	RAV-SM806BTP-E1	RAV-SM564SDT-E	
Outdoor Unit			RAV-SM1104AT8P-E	RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	RAV-SM1104AT8P-E	
Cooling Capacity		(kw)	10.0	10.0	12.1	10.0	
Heating Capacity		(kw)	11.2	11.2	12.8	12.8	
Power Supply			3 Phase 415v 50Hz	3 Phase 415v 50Hz	3 Phase 415v 50Hz	3 Phase 415v 50Hz	
Electrical Characteristics	Cooling	Energy Label	B	A	-	B	
		Running Current	(A)	-	-	-	-
		Power Consumption	(kw)	3.16	3.14	4.42	3.18
		Power Factor	(%)	94	94	94	94
		EER	(W/W)	3.16	3.18	2.74	3.14
		SEER		5.04	5.10	-	5.09
	Heating	Energy Label		A+	A+	-	A+
		Running Current	(A)	-	-	-	-
		Power Consumption	(kw)	2.99	2.99	3.55	2.99
		Power Factor	(%)	94	94	94	94
		COP	(W/W)	3.75	3.75	3.61	3.75
		SCOP		4.17	4.14	-	4.16
Indoor Unit			RAV-SM564MUT-E	RAV-SM566BTP-E1	RAV-SM806BTP-E1	RAV-SM564SDT-E	
Fan Unit	Fan		Turbo Fan	Centrifugal Fan	Centrifugal Fan	Centrifugal Fan	
	Standard Air Flow	H/M/L	(m³/min)	798/672/546	798/630/480	1200/930/720	780/678/582
	Motor		(W)	60	150	150	60
Sound Pressure Level		H/M/L	(dBA)	43/39/34	33/29/25	34/30/26	45/40/36
Sound Power Level		H/M/L	(dBA)	58/54/49	48/44/40	49/45/41	60/55/51
Outdoor Unit			RAV-SM1104AT8P-E	RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	RAV-SM1104AT8P-E	
Dimensions (H x W x D)		(mm)	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	
Total Weight		(kg)	68	68	68	68	
Pipe	Min Length		(m)	5	5	5	
	Max Total Length		(m)	50	50	50	
	Standard Air Flow High		(m³/min)	4080	4200	4080	4200
Connecting Pipe	Gas	Main/Branch	(mm)	15.9/12.7	15.9/12.7	15.9/12.7	15.9/12.7
	Liquid	Main/Branch	(mm)	9.5/6.4	9.5/6.4	9.5/6.4	9.5/6.4
Sound Pressure Level		Cooling/Heating	(dBA)	53/54	54/55	53/54	54/55
Sound Power Level		Cooling/Heating	(dBA)	70/71	70/71	70/71	70/71
Outside Air Temperature Cooling		(°C)	-15/46	-15/46	-15/46	-15/46	
Outside Air Temperature Heating		(°C)	-15/15	-15/15	-15/15	-15/15	

Indoor Unit 1			RAV-SM568CTP-E	RAV-SM808CTP-E	RAV-SM566KRT-E	RAV-SM806KRT-E	
Indoor Unit 2			RAV-SM568CTP-E	RAV-SM808CTP-E	RAV-SM566KRT-E	RAV-SM806KRT-E	
Outdoor Unit			RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	
Cooling Capacity		(kw)	10.0	12.1	10.0	12.1	
Heating Capacity		(kw)	11.2	12.8	11.2	12.8	
Power Supply			3 Phase 415v 50Hz	3 Phase 415v 50Hz	3 Phase 415v 50Hz	3 Phase 415v 50Hz	
Electrical Characteristics	Cooling	Energy Label	A+	-	A	-	
		Running Current	(A)	-	-	-	-
		Power Consumption	(kw)	3.11	4.42	3.13	4.71
		Power Factor	(%)	94	94	94	94
		EER	(W/W)	3.22	2.74	3.19	2.57
		SEER		5.70	-	5.13	-
	Heating	Energy Label	A+	-	-	A+	-
		Running Current	(A)	-	-	-	-
		Power Consumption	(kw)	2.94	3.43	2.99	3.80
		Power Factor	(%)	94	94	94	94
		COP	(W/W)	3.81	3.73	3.75	3.37
		SCOP		4.27	-	4.18	-
Indoor Unit			RAV-SM568CTP-E	RAV-SM808CTP-E	RAV-SM566KRT-E	RAV-SM806KRT-E	
Fan Unit	Fan		Centrifugal Fan	Centrifugal Fan	Cross Flow Fan	Cross Flow Fan	
	Standard Air Flow	H/M/L	(m³/min)	900/720/540	1410/1002/750	840/750/660	1020/750/660
	Motor		(W)	94	94	30	30
Sound Pressure Level		H/M/L	(dBA)	37/35/28	41/36/29	42/39/36	47/41/36
Sound Power Level		H/M/L	(dBA)	52/50/43	56/51/44	57/54/51	62/56/51
Outdoor Unit			RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	RAV-SM1104AT8P-E	RAV-SM1404AT8P-E	
Dimensions (H x W x D)		(mm)	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	
Total Weight		(kg)	68	68	68	68	
Pipe	Min Length		(m)	5	5	5	5
	Max Total Length		(m)	50	50	50	50
	Standard Air Flow High		(m³/min)	4080	4200	4080	4200
Connecting Pipe	Gas	Main/Branch	(mm)	15.9/12.7	15.9/12.7	15.9/12.7	15.9/12.7
	Liquid	Main/Branch	(mm)	9.5/6.4	9.5/6.4	9.5/6.4	9.5/6.4
Sound Pressure Level		Cooling/Heating	(dBA)	53/54	54/55	53/54	54/55
Sound Power Level		Cooling/Heating	(dBA)	70/71	70/71	70/71	70/71
Outside Air Temperature Cooling		(°C)	-15/46	-15/46	-15/46	-15/46	
Outside Air Temperature Heating		(°C)	-15/15	-15/15	-15/15	-15/15	