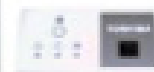


Toshiba Air Conditioning - RAV SM/SP Data Sheet

RAV SM/SP Ceiling Suspended Units

RAV-###CTP-E



RAV SM/SP Ceiling Suspended Units

The Toshiba Ceiling Suspended units are the ideal solution for applications where ceiling voids are restricted or not available. The units can be mounted onto the ceiling surface or semi-concealed to leave a sleek profile with maximum air distribution.

Features

- Nominal cooling 3.6 kW to 14.0 kW (6 models)
- Chassis fully redesigned with rounded corners
- Improved air volumes up to 34 m³/h
- Reduced noise levels as low as 28 dB(A) - 2 hp unit
- Auto-diagnostic function
- Improved access for easy installation and maintenance
- Latest digital hybrid inverter technology
- R22 and R407C replacement technology
- Wireless remote controller (optional), wired remote controller and timer options

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All UK duties are based on Cooling Indoor air temperature 22°C DB/16°C WB Outdoor air temperature 28°C DB 50% RH, high fan speed, 5 m pipe run.
Heating Indoor air temperature 21°C DB Outdoor air temperature -4°C DB 100% RH, high fan speed, 5 m pipe run. Values are based on the maximum compressor output.
Data obtained from Toshiba Air Conditioning Web Data July 2013.

Toshiba Air Conditioning - RAV SM/SP Data Sheet

RAV SM/SP Ceiling Suspended Units RAV-###CTP-E

Digital Inverters

Model reference*	RAV-	SM407CTP-E	SM567CTP-E	SM807CTP-E	SM1107CTP-E	SM1407CTP-E	SM1607CTP-E
Outdoor unit reference	RAV-	SM404ATP-E	SM564ATP-E	SM804ATP-E	SM1104ATP-E	SM1404ATP-E	SM1603AT-E
Nominal cooling	kW	3.6	5.0	6.9	10.0	12.1	14.0
Nominal heating	kW	4.0	5.3	8.0	11.2	12.8	16.0
UK cooling	kW	3.45	4.8	6.6	9.55	11.6	13.44**
UK sensible cooling	kW	2.89	3.6	5.1	7.25	8.45	9.8**
UK heating	kW	2.56	3.8**	5.6**	8.0**	11.84	11.68**
Sound power (high/low)	dB(A)	52/43	52/43	56/44	59/47	61/50	61/51
Sound pressure (high/low)	dB(A)	37/28	37/28	41/29	44/32	46/35	46/36
Air flow (high/low)	m ³ /h	900/540	900/540	1410/750	1860/1020	2040/1200	2040/1260
Air flow (high/low)	l/s	250/150	250/150	392/208	517/283	567/333	567/350
Total dimensions (H x W x D)	mm	235 x 950 x 690	235 x 950 x 690	235 x 1270 x 690	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690
Weight	kg	23	23	29	35	35	35
System starting current	A	1	1	1	1	1	1
Running current	A	5.48	7.46	11.51	14.42	20.67	22.25
Power supply	V-ph-Hz	220/240-1-50/60	220/240-1-50/60	220/240-1-50/60	220/240-1-50/60	220/240-1-50/60	220/240-1-50/60
Interconnecting cable		3 core + earth	3 core + earth	3 core + earth	3 core + earth	3 core + earth	3 core + earth
Suggested fuse size	A	16	16	16	16	25	25
Pipe sizes, liquid - suction	inch	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
EER/COP		4.34/5.13	3.21/3.89	2.90/3.74	3.22/3.81	2.74/3.79	3.01/3.47
SEER/SCOP		5.96/4.98	5.41/4.21	5.62/4.01	5.79/4.27	5.53/4.55	4.94/4.36
Energy label - cool/heat		A+/A++	A/A+	A+/A+	A+/A+	A/A+	B/A+

* The data shown in the table is for single-split combinations

** Estimated values

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Heating Indoor air temperature 21°C DB Outdoor air temperature -4°C DB 100% RH, high fan speed, 5 m pipe run. Values are based on the maximum compressor output.
Data obtained from Toshiba Air Conditioning Web Data July 2013.

Toshiba Air Conditioning - RAV SM/SP Data Sheet

RAV SM/SP Ceiling Suspended Units RAV-###CTP-E

Super Digital Inverters - 1-phase units

Model reference*	RAV-	SM407CTP-E	SM567CTP-E	SM807CTP-E	SM1107CTP-E	SM1407CTP-E
Outdoor unit reference	RAV-	SP404ATP-E	SP564ATP-E	SP804ATP-E	SP1104AT-E	SP1404AT-E
Nominal cooling	kW	3.6	5.0	6.9	10.0	12.1
Nominal heating	kW	4.0	5.3	8.0	11.2	12.8
UK cooling	kW	3.40	4.8	6.8	9.55	11.9
UK sensible cooling	kW	2.95	3.6	5.2	7.25	8.70
UK heating	kW	3.70	3.7**	5.2**	7.3**	12.21
Sound power (high/low)	dB(A)	52/43	52/43	56/44	59/47	61/50
Sound pressure (high/low)	dB(A)	37/28	37/28	41/29	44/32	46/35
Air flow (high/low)	m ³ /h	900/540	900/540	1410/750	1860/1020	2040/1200
Air flow (high/low)	l/s	250/150	250/150	392/208	517/283	567/333
Total dimensions (H x W x D)	mm	235 x 950 x 690	235 x 950 x 690	235 x 1270 x 690	235 x 1586 x 690	235 x 1586 x 690
Weight	kg	23	23	29	35	35
System starting current	A	1	1	1	1	1
Running current	A	5.40	6.35	9.00	11.48	18.09
Power supply	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50
Interconnecting cable		3 core + earth	3 core + earth	3 core + earth	3 core + earth	3 core + earth
Suggested fuse size	A	10	10	16	16	20
Pipe sizes, liquid - suction	inch	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
EER/COP		4.34/5.13	3.65/4.38	3.82/4.19	4.08/4.69	3.21/3.87
SEER/SCOP		5.96/4.98	5.45/4.28	6.21/4.10	6.18/4.27	5.14/4.09
Energy label - cool/heat		A+/A++	A/A+	A++/A+	A++/A+	A/A+

* The data shown in the table is for single-split combinations

** Estimated values

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Heating Indoor air temperature 21°C DB Outdoor air temperature -4°C DB 100% RH, high fan speed, 5 m pipe run. Values are based on the maximum compressor output.
Data obtained from Toshiba Air Conditioning Web Data July 2013.

Toshiba Air Conditioning - RAV SM/SP Data Sheet

RAV SM/SP Ceiling Suspended Units RAV-###CTP-E

Super Digital Inverters - 3-phase units

Model reference*	RAV-	SM1107CTP-E	SM1407CTP-E	SM1607CTP-E
Outdoor unit reference	RAV-	SP1104AT8-E	SP1404AT8-E	SP1604AT8-E
Nominal cooling	kW	10.0	12.1	14.0
Nominal heating	kW	11.2	12.8	16.0
UK cooling	kW	9.55	11.9	13.30**
UK sensible cooling	kW	7.25	8.70	9.3**
UK heating	kW	7.3**	12.21	11.68**
Sound power (high/low)	dB(A)	59/47	61/50	61/51
Sound pressure (high/low)	dB(A)	44/32	46/35	46/36
Air flow (high/low)	m ³ /h	1860/1020	2040/1200	2040/1260
Air flow (high/low)	l/s	517/283	567/333	567/350
Total dimensions (H x W x D)	mm	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690
Weight	kg	35	35	35
System starting current	A	1	1	1
Running current	A	11.48	18.09	18.09
Power supply	V-ph-Hz	380/400-3-50	380/400-3-50	380/400-3-50
Interconnecting cable		3 core + earth	3 core + earth	3 core + earth
Suggested fuse size	A	16	20	16
Pipe sizes, liquid - suction	inch	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
EER/COP		4.08/4.69	3.21/3.87	3.11/3.71
SEER/SCOP		6.18/4.27	5.14/4.09	5.49/4.73
Energy label - cool/heat		A++/A+	A/A+	A/A++

* The data shown in the table is for single-split combinations

** Estimated values

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Heating Indoor air temperature 21°C DB Outdoor air temperature -4°C DB 100% RH, high fan speed, 5 m pipe run. Values are based on the maximum compressor output.
Data obtained from Toshiba Air Conditioning Web Data July 2013.