

Toshiba Air Conditioning - RAV SM/SP Data Sheet

RAV SM/SP Slim Ducted Systems
RAV-###SDT-E



RAV SM/SP Slim Ducted Systems

The compact design of the slim duct provides an excellent solution for applications where shallow ceiling voids are present and maximum control of airflow is required. The slim ducted system offers improved airflow with ultra low noise levels and is ideal for areas with irregular shapes or large areas requiring maximum air distribution.

Features

- Nominal cooling 2.5 kW to 5.0 kW (3 models)
- Built-in drain pump and/or natural drain discharge
- Two choices for selection of air inlet, rear or base
- Cleanable pre-filter included
- Compact size
- Four-step static pressure settings
- Latest digital hybrid inverter technology
- Easy to combine with different types of air diffusers
- R22 and R407C replacement technology

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RAV-###SDT-E

Digital Inverters

Model reference*	RAV-	SM304SDT-E	SM404SDT-E	SM564SDT-E
Outdoor unit reference	RAV-	SM304ATP-E	SM404ATP-E	SM564ATP-E
Nominal cooling	kW	2.5	3.6	5.0
Nominal heating	kW	3.4	4.0	5.6
UK cooling	kW	2.40	3.45	4.7
UK sensible cooling	kW	1.97	2.84	3.5
UK heating	kW	2.18	2.56	4.53
Sound power (high/low) - rear	dB(A)	54/48	54/48	60/51
Sound power (high/low) - base	dB(A)	45/41	45/41	48/43
Sound pressure (high/low) - rear	dB(A)	39/33	39/33	45/36
Sound pressure (high/low) - base	dB(A)	30/26	30/26	33/28
Air flow (high/low)	m ³ /h	660/480	690/522	780/582
Air flow (high/low)	l/s	183/133	191/145	217/162
Total dimensions (H x W x D)	mm	210 x 845 x 645	210 x 845 x 645	210 x 845 x 645
Weight	kg	22	22	22
System starting current	A	1	1	1
Running current	A	3.91	4.41	7.94
Power supply	V-ph-Hz	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
Suggested fuse size	A	10	10	16
Pipe sizes, liquid - suction	inch	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2
EER/COP		4.46/3.95	3.87/4.12	3.01/3.52
SEER/SCOP		6.10/4.48	5.55/3.88	5.06/3.82
Energy label - cool/heat		A++/A+	A/A	B/A
External static pressure range	Pa	10-50 (4 steps)	10-50 (4 steps)	10-50 (4 steps)
Default static pressure	Pa	10	10	10

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

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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.

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Super Digital Inverters

Model reference*	RAV-	SM404SDT-E	SM564SDT-E
Outdoor unit reference	RAV-	SP404ATP-E	SP564ATP-E
Nominal cooling	kW	3.6	5.0
Nominal heating	kW	4.0	5.6
UK cooling	kW	3.40	4.7
UK sensible cooling	kW	2.54	3.5
UK heating	kW	3.7	5.18
Sound power (high/low) - rear	dB(A)	54/48	60/51
Sound power (high/low) - base	dB(A)	45/41	48/43
Sound pressure (high/low) - rear	dB(A)	39/33	45/36
Sound pressure (high/low) - base	dB(A)	30/26	33/28
Air flow (high/low)	m ³ /h	690/522	780/582
Air flow (high/low)	l/s	191/145	217/162
Total dimensions (H x W x D)	mm	210 x 845 x 645	210 x 845 x 645
Weight	kg	22	22
System starting current	A	1	1
Running current	A	5.20	7.24
Power supply	V-ph-Hz	220/240-1-50	220/240-1-50
Interconnecting cable		3 core + earth	3 core + earth
Suggested fuse size	A	16	16
Pipe sizes, liquid - suction	inch	1/4 - 1/2	1/4 - 1/2
EER/COP		3.50/4.00	3.21/3.82
SEER/SCOP		5.11/3.90	5.10/3.83
Energy label - cool/heat		A/A	A/A
External static pressure range	Pa	10-50 (4 steps)	10-50 (4 steps)
Default static pressure	Pa	10	10

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

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