

SM_AT(8) DIGITAL INVERTER



Toshiba Digital Inverter brings state-of-the-art inverter technology to the commercial sector, offering considerable advantages in terms of capacity, energy savings, optimised control, lower refrigerant charge and utilising one of the smallest physical dimensions and lightest range of outdoor units in the industry.

Light and compact

- With capacity outputs up to 12.8kW in a package that is only 890mm high and 69Kg in weight make this model an ideal solution, where space is limited.

Wide adaptability

- Compatible with a wide choice of indoor units: 4-way cassette, 4-way compact cassette, slim duct, standard duct, high wall, ceiling and floor standing.
- Night time operation mode reduces the noise output of the system down to as low as 33db(A).

Efficiency & energy savings

- Toshiba's inverter driven technology ensures maximum system efficiencies and performance, by matching precisely the operation of the compressor to the indoor demand load.
- Power limitation by 1% step between 50% and 100% load.

Easy to maintain

- Removable corner panels for easy access.
- Auto diagnostic function.
- Self-diagnosis function.



SCOP MAX



4.51

CAPACITY



2.5kW > 16kW

OPERATION



-15°C > +46°C

Toshiba state of the art compressor features a powerful magnetic rotor with great surface area to increase efficiency and reduce the operation noise.

- > Efficiency
- > Reliability
- > 100% Toshiba



R410A
with TOSHIBA

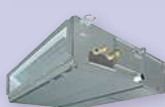
CE

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CASSETTE

RAV-RM_UTP-E/TR
RAV-RM_MUT-E/TR



DUCTED

RAV-RM_BTP-E/E1/TR
RAV-RM_SDT-E/TR



HIGH-WALL

RAV-RM_KRTP-E/TR



CEILING

RAV-RM_CTP-E/TR



FLOOR
STANDING

RAV-RM_FT-EN/ES/TR



OUTDOOR UNITS

RAV-SM304ATP-E/TR RAV-SM1104AT(8)P-E/TR RAV-SM1603AT-E1
RAV-SM404ATP-E/TR RAV-SM1404AT(8)P-E/TR
RAV-SM564ATP-E/TR
RAV-SM804ATP-E/TR

DIGITAL INVERTER

DIGITAL INVERTER Physical data outdoor - 1Ph

Outdoor unit			RAV-SM304ATP-E/TR 1 HP	RAV-SM404ATP-E/TR 1.5 HP	RAV-SM564ATP-E/TR 2 HP	RAV-SM804ATP-E/TR 3 HP	RAV-SM1104ATP-E/TR 4 HP	RAV-SM1404ATP-E/TR 5 HP	RAV-SM1603AT-E1 6 HP
Air flow	m ³ /h - l/s		1800 - 500	2200 - 611	2400 - 667	2700 - 750	4080 - 1133	4200 - 1167	6180 - 1717
Sound pressure level	dB(A)	C	46	49	46	48	53	54	51
Sound power level	dB(A)	C	61	64	63	65	70	70	68
Operating range	°C	C	-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 43
Sound pressure level	dB(A)	H	47	50	48	52	54	55	53
Sound power level	dB(A)	H	62	65	65	69	71	71	70
Operating range	°C	H	-15 / 24	-15 / 24	-15 / 15	-15 / 15	-15 / 15	-15 / 15	-15 / 15
Dimensions (HxWxD)	mm		550x780x290	550x780x290	550x780x290	550x780x290	890x900x320	890x900x320	1340x900x320
Weight	kg		33	39	40	44	68	68	99
Compressor type			DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Flare connections									
Gas	in		3/8	1/2	1/2	5/8	5/8	5/8	5/8
Liquid	in		1/4	1/4	1/4	3/8	3/8	3/8	3/8
Minimum pipe length	m		2	2	5	5	5	5	5
Maximum pipe length	m		20	20	30	30	50	50	50
Maximum height difference	m		10	10	30	30	30	30	30
Chargeless pipe length	m		15	15	20	20	30	30	30
Refrigerant charge (R410A)	kg		0.94	1.65	1.3	2.01	3.3	3.3	3.3
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	220/240-1-50/60

DIGITAL INVERTER Physical data outdoor - 3Ph

Outdoor unit			RAV-SM1104AT8P-E/TR 4 HP	RAV-SM1404AT8P-E/TR 5 HP
Air flow	m ³ /h - l/s		4080 - 1133	4200 - 1167
Sound pressure level	dB(A)	C	53	54
Sound power level	dB(A)	C	70	70
Operating range	°C	C	-15 / 46	-15 / 46
Sound pressure level	dB(A)	H	54	55
Sound power level	dB(A)	H	71	71
Operating range	°C	H	-15 / 15	-15 / 15
Dimensions (HxWxD)	mm		890x900x320	890x900x320
Weight	kg		69	69
Compressor type			DC Twin Rotary	DC Twin Rotary
Flare connections				
Gas	in		5/8	5/8
Liquid	in		3/8	3/8
Minimum pipe length	m		5	5
Maximum pipe length	m		50	50
Maximum height difference	m		30	30
Chargeless pipe length	m		30	30
Refrigerant charge (R410A)	kg		3.3	3.3
Power supply	V-ph-Hz		380/415-3-50, 380-3-60	380/415-3-50, 380-3-60

C: cooling mode
H: heating mode