

GM_ATP(8) DIGITAL INVERTER



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

Light and compact

- Up to 12.8 kW in only 890mm height and 69kg.

Wide adaptability

- Compatible with a wide choice of indoor units: 4-way cassette dB(A), 4-way compact cassette, slim duct, standard duct, high wall and ceiling.
- Night operation mode to minimize the outdoor unit sound as low as 33dB (A).

Efficiency & energy savings

- The Vector Intelligent Drive Unit (IPDU) technology ensures.
- Power limitation by 1% step between 50% and 100% load for optimal capacity control.
- Energy monitoring by using RBC-AMSU51E-ES/EN wired remote controller.

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



CASSETTE

RAV-HM_UTP-E/TR
RAV-HM_MUT-E/TR



DUCTED

RAV-HM_BTP-E/TR
RAV-RM_SDT-E/TR



CEILING

RAV-HM_CTP-E/TR



HIGH-WALL

RAV-HM_KRTP-E/TR



FLOOR
STANDING

RAV-HM_FT-E/TR



OUTDOOR UNITS

RAV-GM561ATP-E/TR RAV-GM1101AT(8)P-E/TR RAV-GM1601AT(8)P-E/TR
RAV-GM801ATP-E/TR RAV-GM1401AT(8)P-E/TR
RAV-GM901ATP-E/TR

DIGITAL INVERTER

DIGITAL INVERTER Physical data outdoor - Single phase

Outdoor unit		RAV-GM301ATP-E/TR	RAV-GM401ATP-E/TR	RAV-GM561ATP-E/TR	RAV-GM801ATP-E/TR	RAV-GM901ATP-E/TR	RAV-GM1101ATP-E/TR	RAV-GM1401ATP-E/TR	RAV-GM1601ATP-E/TR
		1 HP	1.5 HP	2 HP	3 HP	3.5 HP	4 HP	5 HP	6 HP
Air Flow	m ³ /h - l/s	1800 - 500	2200 - 611	2400 - 667	2700 - 750	2900 - 806	4080 - 1133	4200 - 1167	6900 - 1917
Sound pressure level	dB(A) C	46	49	46	48	51	54	55	53
Sound power level	dB(A) C	61	64	63	65	68	70	70	70
Operating range	°C C	-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 46
Sound pressure level	dB(A) H	47	50	48	52	55	57	57	55
Sound power level	dB(A) H	62	65	65	69	72	74	74	72
Operating range	°C H	-15 / 15	-15 / 15	-15 / 15	-15 / 15	-15 / 15	-15 / 15	-15 / 15	-15 / 15
Dimensions (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Weight	kg	33	39	40	44	47	68	68	95
Compressor type		DC Rotary	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	5/8
Liquid	in	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8
Minimum pipe length	m	2	2	5	5	5	5	5	5
Maximum pipe length	m	20	20	30	30	50	50	50	50
Maximum height difference	m	10	10	30	30	30	30	30	30
Chargeless pipe length	m	15	15	20	20	30	30	30	30
Refrigerant	Type/kg/ TeqCO ₂	R32 / 0.6 / 0.4	R32 / 0.9 / 0.6	R32 / 0.9 / 0.6	R32 / 1.3 / 0.9	R32 / 2.0 / 1.3	R32 / 2.1 / 1.4	R32 / 2.1 / 1.6	R32 / 2.4 / 5.0
Power supply	V-ph-Hz	220/240-1-50, 220-1-60	220/240-1-50, 220-1-60	220/240-1-50, 220-1-60	220/240-1-50, 220-1-60	220/240-1-50, 220-1-60	220/240-1-50, 220-1-60	220/240-1-50, 220-1-60	220/240-1-50, 220-1-60

DIGITAL INVERTER Physical data outdoor - Three phase

Outdoor Unit		RAV-GM1101AT8P-E/TR	RAV-GM1401AT8P-E/TR	RAV-GM1601AT8P-E/TR
		4 HP	5 HP	6 HP
Air Flow	m ³ /h - l/s	4080 - 1133	4200 - 1167	6900 - 1917
Sound pressure level	dB(A) C	54	55	53
Sound power level	dB(A) C	70	70	70
Operating range	°C C	-15 / 46	-15 / 46	-15 / 46
Sound pressure level	dB(A) H	57	57	55
Sound power level	dB(A) H	74	74	72
Operating range	°C H	-15 / 15	-15 / 15	-15 / 15
Dimensions (HxWxD)	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Weight	kg	68	68	94
Compressor type		DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Flare connections				
Gas	in	5/8	5/8	5/8
Liquid	in	3/8	3/8	3/8
Minimum pipe length	m	5	5	5
Maximum pipe length	m	50	50	50
Maximum height difference	m	30	30	30
Chargeless pipe length	m	30	30	30
Refrigerant	Type/kg	R32 / 2.1 / 1.4	R32 / 2.1 / 1.4	R32 / 2.4 / 1.6
Power supply	V-ph-Hz	380/415-3-50	380/415-3-50	380/415-3-50, 380-3-60

C: cooling mode
H: heating mode