

GP_AT(8)
SUPER DIGITAL INVERTER



The Toshiba Super Digital Inverter 1 series is leading energy efficiency, operating range and piping length, to offer the best solution for the majority of commercial projects and large residential applications.

Top class efficiency

- High efficiency SCOP of up to 5.51, thanks to Toshiba inverter technology.

Wide adaptability

- Operating temperature limits from -27°C (Heating) to +52°C (Cooling) allow the system to operate across a wide temperature range.
- Quiet operation.

Flexible

- Can be utilised for single, twin or triple indoor applications.

Easy to maintain

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



SCOP MAX



5.51

CAPACITY



5kW > 16kW

OPERATION



-27°C > +52°C

> Power consumption analysis embedded when SDI 1 series (1Ph only) is combined with the RBC-AMSU51E-ES/-EN

Power consumption (Week)



CASSETTE

RAV-HM_UT-E/TR
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-GP561ATW-E/TR RAV-GP801ATW-E/TR RAV-GP1101AT(8)-E
RAV-GP1401AT(8)-E
RAV-GP1601AT8-E

SUPER DIGITAL INVERTER

SUPER DIGITAL INVERTER Physical data outdoor - Single phase

Outdoor unit			RAV-GP561ATW-E/TR 2 HP	RAV-GP801ATW-E/TR 3 HP	RAV-GP1101AT-E/TR 4 HP	RAV-GP1401AT-E1/TR1 5 HP
Air flow	m ³ /h - l/s		2250	3180	6960	6960
Sound pressure level	dB(A)	C	46	46	49	50
Sound power level	dB(A)	C	63	63	66	67
Operating range	°C	C	-15 / 52	-15 / 52	-15 / 52	-15 / 52
Sound pressure level	dB(A)	H	48	48	50	51
Sound power level	dB(A)	H	65	65	67	68
Operating range	°C	H	-27 / 15	-27 / 15	-27 / 15	-27 / 15
Dimensions (HxWxD)	mm		630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370	1550 x 1010 x 370
Weight	kg		45	74	104	104
Compressor type			DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Flare connections						
Gas	in		1/2	5/8	5/8	5/8
Liquid	in		1/4	3/8	3/8	3/8
Minimum pipe length	m		3	3	3	3
Maximum pipe length	m		50	50	75	75
Maximum height difference	m		30	30	30	30
Chargeless pipe length	m		20	30	30	30
R32 Refrigerant	kg/TCO ₂ eq		1.35/0.91	1.9/1.28	3.1/2.09	3.1/2.09
Power supply	V-ph-Hz		220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50

SUPER DIGITAL INVERTER Physical data outdoor - Three Phase

Outdoor unit			RAV-GP1101AT8-E/TR 4 HP	RAV-GP1401AT8-E/TR 5 HP	RAV-GP1601AT8-E/TR 6 HP
Air Flow	m ³ /h - l/s		6060 - 1683	6180 - 1717	6180 - 1717
Sound pressure level	dB(A)	C	49	51	51
Sound power level	dB(A)	C	66	68	68
Operating range	°C	C	-15 / 46	-15 / 46	-15 / 46
Sound pressure level	dB(A)	H	50	52	53
Sound power level	dB(A)	H	67	69	70
Operating range	°C	H	-20 / 15	-20 / 15	-20 / 15
Dimensions (HxWxD)	mm		1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Weight	kg		95	95	95
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		3	3	3
Maximum pipe length	m		75	75	75
Maximum height difference	m		30	30	30
Chargeless pipe length	m		30	30	30
R32 Refrigerant	kg/TCO ₂ eq		2.6/1.75	2.6/1.75	2.6/1.75
Power supply	V-ph-Hz		380/415-3N-50	380/415-3N-50	380/415-3N-50

C: cooling mode
H: heating mode