

Toshiba Air Conditioning Data Sheet

GM2801AT8-E1 OUTDOOR UNIT



Model Reference		RAV-GM2801AT8-E1	
Nominal	Cooling Capacity	kW	22.5
	Heating Capacity	kW	27.0
	EER/COP	W/W	2.82/3.59
UK	Cooling Total/Sensible	kW	22.8/19.3
	Heating	kW	16.73
Cooling EN14825	Range Min. - Max.	kW	4.6-27.0
	Power Input	kW	7.98
	Pdesign	kW	22.5
	SEER/Energy Efficiency Class (or ηsc %)		4.61/181.4
	Seasonal Energy Consumption	kWh/a	2928
Heating EN14825	Range Min. - Max.	kW	4.6-31.5
	Power Input	kW	7.52
	Pdesign	kW	20.0
	SCOP/Energy Efficiency Class (or ηsc(A) %)		3.44/134.6
	Seasonal Energy Consumption	kWh/a	8136
Operating Range	Cooling/Heating	°C	-15 to 46/-20 to 15
Air Flow	High	m ³ /h - l/s	10890- 3025
Sound	Pressure High - Medium - Low	dB(A)	61 - 63
	Power High - Medium - Low	dB(A)	78 - 80
Unit	Height x Width x Depth	mm	1550 x 1010 x 370
	Weight	kg	142
Pipe Connection	Flare Connections (gas - liquid)	inch	1 1/8 - 1/2
	Min.-Max. Length	m	5-100
	Maximum Height Difference	m	±30
	Drain Port Connection	mm	16
Refrigerant Gas	Base Charge/Chargeless Length	m	R32 - 5.0/30
	Additional Charge Liquid Side	g/m	80
Run Current	Maximum	Amps	13.04
Power Cable	Outdoor to Indoor		3 core + earth
Power Supply	Suggested Fuse Size	V/ph/Hz-A	380-415/3/50-20

TOSHIBA

- Top Class EER/COP thanks to exclusive Toshiba's inverter twin-rotary compressor
- Wide capacity range down to 4.6kW to ensure continuous operation whatever the conditions and maximise efficiency
- Compliance with ERP directive Lot21
- Allows the connection of four indoor units (same type, same capacity)
- Compatible with a large choice of indoor units: 4-way cassette, 4-way compact cassette, slim duct, standard duct, high wall & ceiling
- Built-in leak detection system

2-1. Outdoor Unit

	Name	Note
①	Refrigerant piping hole Indoor/Outdoor Unit connecting wire inlet hole	Knockout hole
②	Power supply inlet hole	DIA 38 Knockout hole

Diameter of pipe connecting port		Diameter of connecting pipe	
Liquid side	Gas side	Liquid side	Gas side
12.7	19.1	12.7	28.6

The diameter of ball valve connecting port on the outdoor unit is 19.1, and therefore please use the accessory joint for installation.

