Appliance - Split type air conditioner

Outdoor unit	Single Inverter	RAV-GM1401ATP-E
Indoor unit	4-way Cassette	RAV-RM1401UTP-E

Function

Cooling	Y
Heating - Average	Y
Heating - Warmer	N
Heating - Colder	N

Design load

Cooling	Pdesignc	12.0	kW
Heating/Average	Pdesignh	8.0	kW

Capacity control = Variable

Seasonal efficiency

Cooling	SEER	5.71	A+
Heating/Average	SCOP(A)	4.29	A+

Cooling

Capacity

Declared capacity for cooling at indoor temperature 27(19)°C and outdoor temperature Tj.

Efficiency

Declared Energy efficiency ratio for cooling at indoor temperature 27(19)°C and outdoor temperature Tj.

Tj=35℃	Pdc	12.00	kW	Tj=35℃	EERd	2.80
Tj=30℃	Pdc	8.84	kW	Tj=30℃	EERd	4.54
Tj=25℃	Pdc	5.68	kW	Tj=25℃	EERd	6.84
Tj=20℃	Pdc	4.53	kW	Tj=20℃	EERd	11.92

Heating (Average climate)

Capacity

Declared capacity for Heating/Average season, at indoor temperature 20°C and outdoor temperature Tj.

Efficiency

Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj.

Tj=-7°C	Pdh	7.08	kW	Tj=-7°C	COPd	2.74
Tj=2°C	Pdh	4.31	kW	Tj=2°C	COPd	4.37
Tj=7°C	Pdh	2.91	kW	Tj=7°C	COPd	5.53
Tj=12°C	Pdh	3.40	kW	Tj=12°C	COPd	6.52
Tj=bivalent temperature	Pdh	7.08	kW	Tj=bivalent temperature	COPd	2.74
Tj=operation limit	Pdh	5.72	kW	Tj=operation limit	COPd	1.80
Bivalent temperature		-7	°C			
Operation limit temperature		-15	°C			

Electricity

Electric power input in power modes other than "on mode"				Seasonal electricity consumption			
off mode	Poff	0.016	kW	Cooling	QCE	736	kWh/a
standby mode	Psb	0.016	kW	Heating/Average	QHE/A	2611	kWh/a
thermostat-off mode	Pto	0.083	kW	Heating/Warmer	QHE/B	x	kWh/a
crankcase heater mode	Pck	0.000	kW	Heating/Colder	QHE/C	x	kWh/a

Refrigerant

Type		R32	
Weight		2.10	kg
Global Warming Potential	GWP	675	$kgCO_2eq.$

Sound power level - db(A)

	Cooling	Heating
RAV-GM1401ATP-E	70	74
RAV-RM1401UTP-E	59	59

Rated air flow - m^3/h

	Cooling	Heating
RAV-GM1401ATP-E	4200	4200
RAV-RM1401UTP-E	2100	2100

Dimensions

	Height	Width	Depth	Weight
RAV-GM1401ATP-E	890 mm	900 mm	320 mm	68 kg
RAV-RM1401UTP-E	319 mm	840 mm	840 mm	24 kg

Harmonised standard	EN14511:2007 , EN12102
Calculation methods - Measurement standards	PrEN 14825： 2011 chapter 8 and 9
Contact details for obtaining more information	Importer/Distributor in EU: Toshiba Carrier UK Ltd. Porsham Close, Belliver Industrial Estate, PLYMOUTH, Devon, PL6 7DB. United Kingdom

Supplier	TOSHIBA CARRIER CORPORATION

Indoor unit	RAV-RM1401UTP-E
Outdoor unit	RAV-GM1401ATP-E

Sound power level

indoor unit (cooling)	dB	59
outdoor unit (cooling)	dB	70
indoor unit (heating)	dB	59
outdoor unit (heating)	dB	74

Refrigerant

Type		R32
Global Warming Potential	$kgCO_2eq$	675

Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

Cooling

Energy efficiency class		A+
Design load (Pdesignc)	kW	12.0
Seasonal efficiency (SEER)		5.71
Seasonal electricity consumption (Q_{CE})	kWh/annum	736

Heating

		Heating/Average	Heating/Warmer	Heating/Colder
Energy efficiency class		A+	x	x
Design load (Pdesignh)	kW	8.0	x,x	x,x
Seasonal efficiency (SCOP)		4.29	x,xx	x,xx
Seasonal electricity consumption (Q_{HE})	kWh/annum	2611	x	x
Back up heating capacity	kW	1.43		
Declared capacity for heating, at indoor temperature 20°C and outdoor temperature Tj.				
Tj= -7°C (Pdh)	kW	7.08	-	x,xx
Tj= 2°C (Pdh)	kW	4.31	x,xx	x,xx
Tj= 7°C (Pdh)	kW	2.91	x,xx	x,xx
Tj= 12°C (Pdh)	kW	3.40	x,xx	x,xx
Tj=bivalent temperature (Pdh)	kW	7.08	x,xx	x,xx
Tj=operation limit (Pdh)	kW	5.72	x,xx	x,xx
Tj= -15°C (Pdh)	kW	-	-	x,xx