Technical Data

TOSHIBA

Appliance - Split type air conditioner

Directive 2009/125/EC

Supplier	Toshiba Carrier Corporation
Outdoor unit	RAS-50G3AVSG-ND
Indoor unit	RAS-B50G3KVSG-ND
Capacity control	Variable

Cooling

Design load	Pdesignc	kW	5.0
Seasonal efficiency	SEER		7.00
Seasonal electricity consumption (*)	Qce kWh/annum		250
Degradation co-efficient cooling	Cdc		-

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

Tj = 35°C	Pdc	kW	5.00
Tj = 30°C	Pdc	kW	3.68
Tj = 25°C	Pdc	kW	2.37
Tj = 20°C	Pdc	kW	1.05

Declared energy efficiency ratio, at indoor temperature 27(19) °C and outdoor temperature Tj

Tj = 35°C	EERd	3.52
Tj = 30°C	EERd	5.50
Tj = 25°C	EERd	8.40
Tj = 20°C	EERd	11.00

Heating

			Average climate	Colder climate	Warmer climate
Design load	Pdesignh	kW	5.0	7.3	-
Seasonal efficiency	SCOP		4.60	3.70	-
Seasonal electricity consumption (*)	Qhe	kWh/annum	1520	4060	-
Bivalent temperature		°C	-10.0	-30.0	-
Operation limit temperature		°C	-30.0	-30.0	-30.0
Degradation co-efficient heating	Cdh		-		

Average climate

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

Tj = -7 °C	Pdh	kW	4.42
Tj = +2 °C	Pdh	kW	2.69
Tj = +7 °C	Pdh	kW	1.73
Tj = +12 °C	Pdh	kW	2.10
Tj = bivalent temperature	Pdh	kW	5.00
Tj = operation limit temperature	Pdh	kW	4.00

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

Tj = -7 °C	COPd	3.30
Tj = +2 °C	COPd	4.60
Tj = +7 °C	COPd	5.60
Tj = +12 °C	COPd	6.60
Tj = bivalent temperature	COPd	2.40
Tj = operation limit temperature	COPd	1.50

Colder climate

Declared capacity for heating/Colder season, at indoor temperature 20 °C and outdoor temperature Tj

Tj = -7 °C	Pdh	kW	4.42
Tj = +2 °C	Pdh	kW	2.69
Tj = +7 °C	Pdh	kW	1.82
Tj = +12 °C	Pdh	kW	2.10
Tj = bivalent temperature	Pdh	kW	5.96
Tj = operation limit temperature	Pdh	kW	4.00

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

Tj = -7 °C	COPd	3.30
Tj = +2 °C	COPd	4.60
Tj = +7 °C	COPd	5.60
Tj = +12 °C	COPd	6.60
Tj = bivalent temperature	COPd	2.10
Tj = operation limit temperature	COPd	1.50

Electricity

off mode	Poff	kW	0.003
thermostat-off mode	Pto	kW	0.017

standby mode	Psb	kW	0.003
Crankcase heater mode	Pck	kW	0.000

Refrigerant

Type		R32
Global Warming Potential	GWP kgCO2eq	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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 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

Sound power level

		Cooling	Heating
Outdoor unit	dB	62	65
Indoor unit	dB	58	60

Rated air flow

		Cooling	Heating
Outdoor unit	m^3/h	2700	2970
Indoor unit	m^3/h	1030	1170

Dimensions

		Height	Width	Depth	Weight (kg)
RAS-50G3AVSG-ND	mm	710	900	320	56
RAS-B50G3KVSG-ND	mm	320	1053	245	16

Harmonised standard EN14511:2022 , EN12102-1:2022

Calculation methods - Measurement standards PrEN 14825:2022

Contact details

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