

Appliance - Split type air conditioner				Directive 2009/125/EC			
Supplier				Toshiba Carrier Corporation			
Outdoor unit				RAS-16J2AVSG-E1			
Indoor unit				RAS-B16N4KVRG-E			
Capacity control				Variable			
Cooling							
Design load			Pdesignc		kW		4.6
Seasonal efficiency			SEER				7.80
Seasonal electricity consumption (*)			Qce kWh/annum				206
Degradation co-efficient cooling			Cdc				-
Declared capacity for cooling, at indoor temperature 27(19) °C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19) °C and outdoor temperature Tj			
Tj = 35°C	Pdc	kW	4.60	Tj = 35°C	EERd	3.59	
Tj = 30°C	Pdc	kW	3.39	Tj = 30°C	EERd	5.85	
Tj = 25°C	Pdc	kW	2.18	Tj = 25°C	EERd	9.37	
Tj = 20°C	Pdc	kW	1.27	Tj = 20°C	EERd	14.90	
Heating							
			Average climate		Colder climate		Warmer climate
Design load			Pdesignh	kW	4.0	-	3.4
Seasonal efficiency			SCOP		4.60	-	6.10
Seasonal electricity consumption (*)			Qhe kWh/annum		1214	-	783
Bivalent temperature			°C		-7.0	-15.0	2.0
Operation limit temperature			°C		-15.0	-15.0	-15.0
Degradation co-efficient heating			Cdh		-		
Average climate							
Declared capacity for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	kW	3.54	Tj = -7 °C	COPd	2.70	
Tj = +2 °C	Pdh	kW	2.15	Tj = +2 °C	COPd	4.76	
Tj = +7 °C	Pdh	kW	1.38	Tj = +7 °C	COPd	6.02	
Tj = +12 °C	Pdh	kW	0.97	Tj = +12 °C	COPd	6.70	
Tj = bivalent temperature	Pdh	kW	3.54	Tj = bivalent temperature	COPd	2.70	
Tj = operation limit temperature	Pdh	kW	2.93	Tj = operation limit temperature	COPd	2.40	
Warmer climate							
Declared capacity for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = +2 °C	Pdh	kW	2.15	Tj = +2 °C	COPd	4.76	
Tj = +7 °C	Pdh	kW	1.38	Tj = +7 °C	COPd	6.02	
Tj = +12 °C	Pdh	kW	0.97	Tj = +12 °C	COPd	6.70	
Tj = bivalent temperature	Pdh	kW	3.40	Tj = bivalent temperature	COPd	4.76	
Tj = operation limit temperature	Pdh	kW	2.93	Tj = operation limit temperature	COPd	2.40	
Electricity							
off mode	Poff	kW	0.001	standby mode	Psb	kW	0.001
thermostat-off mode	Pto	kW	0.029	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	61	63
Indoor unit	dB	58	58

Rated air flow		Cooling	Heating
Outdoor unit	m³/h	2040	2040
Indoor unit	m³/h	690	730

Dimensions		Height	Width	Depth	Weight (kg)
RAS-16J2AVSG-E1	mm	550	780	290	33
RAS-B16N4KVRG-E	mm	300	987	210	12

Harmonised standard EN14511:2022 , EN12102-1:2022
Calculation methods - Measurement standards PrEN 14825:2022

Contact details

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