

Appliance - Split type air conditioner

Outdoor unit	Single Inverter	RAS-25J2AVSG-ND1
Indoor unit	Hi-wall - HAORI	RAS-25N4KVRG-ND

Function		Design load			Seasonal efficiency			
Cooling	Y	Cooling	Pdesignc	2.8 kW	Cooling	SEER	7.70	A++
Heating - Average	Y	Heating/Average	Pdesignh	2.7 kW	Heating/Average	SCOP(A)	5.10	A+++
Heating - Warmer	N	Heating/Colder	Pdesignh	4.0 kW	Heating/Colder	SCOP(C)	4.03	A+
Heating - Colder	Y							
Capacity control	Variable							

Cooling

Capacity			Efficiency			
Declared capacity for cooling at indoor temperature 27(19)°C and outdoor temperature Tj.			Declared Energy efficiency ratio for cooling at indoor temperature 27(19)°C and outdoor temperature Tj.			
Tj=35°C	Pdc	2.80 kW	Tj=35°C	EERd	4.3	
Tj=30°C	Pdc	2.06 kW	Tj=30°C	EERd	6.00	
Tj=25°C	Pdc	1.33 kW	Tj=25°C	EERd	10.95	
Tj=20°C	Pdc	1.30 kW	Tj=20°C	EERd	11.90	
				Degradation co-efficient cooling	Cdc	0,25

Heating (Average climate)

Capacity			Efficiency		
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	2.39 kW	Tj=-7°C	COPd	3.20
Tj=2°C	Pdh	1.45 kW	Tj=2°C	COPd	5.25
Tj=7°C	Pdh	0.93 kW	Tj=7°C	COPd	6.20
Tj=12°C	Pdh	0.42 kW	Tj=12°C	COPd	7.50
Tj=bivalent temperature	Pdh	2.70 kW	Tj=bivalent temperature	COPd	2.70
Tj=operation limit	Pdh	2.60 kW	Tj=operation limit	COPd	2.00
Bivalent temperature		-10 °C			
Operation limit temperature		-25 °C	Degradation co-efficient heating	Cdh	0,25

Heating (Colder climate)

Capacity

Declared capacity for Heating/Colder climate at indoor temperature 20°C and outdoor temperature Tj.

Efficiency

Declared coefficient of performance for Heating/Colder climate at indoor temperature 20°C and outdoor temperature Tj.

Tj=-7°C	Pdh	2.39	kW	Tj=-7°C	COPd	3.20
Tj=2°C	Pdh	1.45	kW	Tj=2°C	COPd	5.25
Tj=7°C	Pdh	0.93	kW	Tj=7°C	COPd	6.20
Tj=12°C	Pdh	0.42	kW	Tj=12°C	COPd	7.50
Tj=bivalent temperature	Pdh	2.74	kW	Tj=bivalent temperature	COPd	2.40
Tj=operation limit	Pdh	2.60	kW	Tj=operation limit	COPd	2.00
Tj=-15°C	Pdh	3.26	kW	Tj=-15°C	COPd	2.40
Bivalent temperature		Tbiv	X °C			
Operation limit temperature		Tol	X °C			

Electricity

Electric power input in power modes other than "on mode"

Seasonal electricity consumption

Off mode	Poff	0.001	kW	Cooling	QCE	127	kWh/ε
Standby mode	Psb	0.001	kW	Heating/Average	QHE/A	741	kWh/ε
Thermostat-off mode	Pto	0.037	kW	Heating/Warmer	QHE/B	x	kWh/ε
Crankcase heater mode	Pck	0.000	kW	Heating/Colder	QHE/C	2087	kWh/ε

Refrigerant

Type		R-32				
Weight				0.76	kg	
Global Warming Potential	GWP			675	kgCO ₂ eq.	

Sound power level - db(A)

Rated air flow - m³/h

	Cooling	Heating		Cooling	Heating
RAS-25J2AVSG-ND1	59	61	RAS-25J2AVSG-ND1		
RAS-25N4KVRG-ND	55	58	RAS-25N4KVRG-ND		

Dimensions

	Height	Width	Depth	Weight
RAS-25J2AVSG-ND1	mm	mm	mm	kg
RAS-25N4KVRG-ND	mm	mm	mm	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