

Appliance - Split type air conditioner

Outdoor unit	Single Inverter	RAS-35PAVPG-ND
Indoor unit	Hi-wall - DAISEIKAI 9 - R32	RAS-35PKVPG-ND

Function		Design load			Seasonal efficiency			
Cooling	Y	cooling	Pdesignc	3.5 kW	cooling	SEER	8.90	A+++
Heating - Average	Y	heating/Average	Pdesignh	3.8 kW	heating/Average	SCOP(A)	5.10	A+++
Heating - Warmer	N	heating/Colder	Pdesignh	5.5 kW	heating/Colder	SCOP(C)	4.00	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 efficieny ratio for cooling at indoor temperature 27(19)°C and outdoor temperature Tj		
Tj=35°C	Pdc	3.50	kW	Tj=35°C	EERd	4.59
Tj=30°C	Pdc	2.58	kW	Tj=30°C	EERd	7.91
Tj=25°C	Pdc	1.66	kW	Tj=25°C	EERd	10.60
Tj=20°C	Pdc	1.35	kW	Tj=20°C	EERd	14.65

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	3.36	kW	Tj=-7°C	COPd	3.27
Tj=2°C	Pdh	2.05	kW	Tj=2°C	COPd	5.10
Tj=7°C	Pdh	1.32	kW	Tj=7°C	COPd	6.60
Tj=12°C	Pdh	1.40	kW	Tj=12°C	COPd	8.20
Tj=bivalent temperature	Pdh	3.80	kW	Tj=bivalent temperature	COPd	2.35
Tj=operation limit	Pdh	2.40	kW	Tj=operation limit	COPd	1.80
Bivalent temperature		-10	°C			
Operation limit temperature		-30	°C			

Heating (Colder climate)

Capacity				Efficiency		
Declared capacity for heating at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient for cooling at indoor temperature 20°C and outdoor temperature Tj		
Tj=-7°C	Pdh	3.36	kW	Tj=-7°C	COPd	3.27
Tj=2°C	Pdh	2.05	kW	Tj=2°C	COPd	5.10
Tj=7°C	Pdh	1.32	kW	Tj=7°C	COPd	6.60
Tj=12°C	Pdh	1.40	kW	Tj=12°C	COPd	8.20
Tj=bivalent temperature	Pdh	4.49	kW	Tj=bivalent temperature	COPd	2.12
Tj=operation limit	Pdh	2.40	kW	Tj=operation limit	COPd	1.80
Tj=-15°C	Pdh	4.49	kW	Tj=-15°C	COPd	2.12
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	138 kWh/ε
Standby mode	Psb	0.001	kW	heating/Average	QHE/A	1043 kWh/ε
Thermostat-off mode	Pto	0.029	kW	heating/Warmer	QHE/B	x kWh/ε
Crankcase heater mode	Pck	0.000	kW	heating/Colder	QHE/C	2885 kWh/ε

Refrigerant

Type	R-32				
Weight	1.05				kg
Global Warming Potential	GWP	675			kgCO ₂ eq.

Sound power level - db(A)

Rated air flow - m³/h

	Cooling	Heating		Cooling	Heating
RAS-35PAVPG-ND	63	64	RAS-35PAVPG-ND	2150	2150
RAS-35PKVPG-ND	58	59	RAS-35PKVPG-ND	670	720

Dimensions

	Height	Width	Depth	Weight
RAS-35PAVPG-ND	630 mm	800 mm	300 mm	43 kg
RAS-35PKVPG-ND	293 mm	851 mm	270 mm	14 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