

# INVERTER HI-WALL

**TOSHIBA**

HAORI



Ultra Pure Filter



Plasma Ionizer



Fabric Lining

## Innovating comfort & aesthetics

HAORI brings stunning aesthetics, first-class efficiency, silent output, and leading air quality to residential air conditioning systems. This innovative AC unit features a highly attractive textile fabric cover that is not only available in a range of standard and optional colours, but offers infinite customization possibilities.



## FEATURES



Energy Class A+++ in cooling and in heating modes



Truly elegant design featuring a stylish textile fabric cover. Fabrics with infinite possibilities. Easy to dress, just peel and stick



Toshiba Plasma Ionizer catches and neutralizes the contaminated particles



Ultra-Pure Filter offers up to 94% purification of PM2.5. PM2.5 refers to particulate matters coming from atmospheric pollution



Wi-Fi Active



Power Select and Eco Modes to reduce energy bills, Hi-power for rapid cooling or heating



Louver swing and HADA Care Flow Operation: Comfortable air flow



Silent Operation (outdoor unit) with Toshiba's unique noise reduction function of outdoor unit



On Demand Defrost: In certain extreme conditions, one can manually defrost at any time



Integrated Wi-Fi to control your air conditioner via the Toshiba Home AC Control app

## TECHNICAL CHARACTERISTICS

### PERFORMANCE DATA

OUTDOOR UNIT		RAS-10J2AVSG-E1	RAS-13J2AVSG-E1	RAS-16J2AVSG-E1
INDOOR UNIT		RAS-B10N4KVRG-E1	RAS-B13N4KVRG-E	RAS-B16N4KVRG-E
Cooling capacity	kW	2,50	3,50	4,60
Cooling capacity	BTU/H	8.530	11.943	15.696
Cooling range (min.-max.)	kW	0,89-3,20	1,00-4,10	1,20-5,30
Cooling range (min.-max.)	BTU/H	3.037-10.919	3.412-13.990	4.095-18.084
Power input (min.-rated-max.)	kW	C 0,19-0,54-0,79	0,25-0,80-1,12	0,34-1,35-1,72
EER	W/W	4.63	4.38	3.41
SEER		8.60	8.70	7.80
Energy efficiency class		C A+++	A+++	A++
Seasonal electricity consumption	kWH/a	C 102	142	206
Heating capacity	kW	3,20	4,20	5,50
Heating capacity	BTU/H	10.919	14.331	18.767
Heating range (min.-max.)	kW	0,90-4,70	1,00-5,30	1,10-6,30
Heating range (min.-max.)	BTU/H	3.071-16.037	3.412-18.084	3.753-21.496
Power input (min.-rated-max.)	kW	H 0,18-0,74-1,23	0,20-1,08-1,55	0,30-1,52-1,90
COP	W/W	4.32	3.89	3.62
SCOP (average)		5.10	5.10	4.60
Energy efficiency class (average)		H A+++	A+++	A++
SCOP (warmer)		6.70	6.30	6.10
Energy efficiency class (warmer)		H A+++	A+++	A+++
Seasonal electricity consumption	kWH/a	H 684	876	1.214

### PHYSICAL DATA INDOOR

INDOOR UNIT		RAS-B10N4KVRG-E	RAS-B13N4KVRG-E	RAS-B16N4KVRG-E
Air Flow (h)	m³/h-l/s	C 600-166	670-186	690-192
Air Flow (l)	m³/h-l/s	C 300-83	320-89	340-94
Sound pressure level (h/q)	dB(A)	C 41/19	43/19	45/21
Sound power level (h)	dB(A)	C 54	56	58
Air Flow (h)	m³/h-l/s	H 610-169	680-189	730-202
Air Flow (l)	m³/h-l/s	H 300-86	320-89	360-100
Sound pressure level (h/q)	dB(A)	H 41/19	43/19	45/22
Sound power level (h)	dB(A)	H 54	56	58
Dimensions (H×W×D)	mm	300×987×210	300×987×210	300×987×210
Weight	Kg	11	11	12

### PHYSICAL DATA OUTDOOR

OUTDOOR UNIT		RAS-10J2AVSG-E1	RAS-13J2AVSG-E1	RAS-16J2AVSG-E1
Air Flow (max)	m³/h-l/s	C 1.890-524	1.950-540	2.040-566
Sound pressure level (h)	dB(A)	C 44	46	48
Sound pressure level (silent CDU#2)	dB(A)	C 37	39	40
Sound power level (h)	dB(A)	C 57	59	61
Sound power level (silent CDU#2)	dB(A)	C 50	52	53
Operating range	°C	C -15-46	-15-46	-15-46
Air Flow (max)	m³/h-l/s	H 1.890-524	1.950-540	2.040-566
Sound pressure level (h)	dB(A)	H 46	48	50
Sound pressure level (silent CDU#2)	dB(A)	H 39	43	43
Sound power level (h)	dB(A)	H 59	61	63
Sound power level (silent CDU#2)	dB(A)	H 52	56	56
Operating range	°C	H -15-24	-15-24	-15-24
Dimensions (H×W×D)	mm	550×780×290	550×780×290	550×780×290
Weight	Kg	26	30	33
Compressor type		DC Rotary	DC Rotary	DC Rotary
Flare connections (gas-liquid)		3/8"-1/4"	3/8"-1/4"	1/2"-1/4"
Minimum pipe length	m	2	2	2
Maximum pipe length	m	20	20	20
Maximum height difference	m	12	12	12
Chargeless pipe length	m	15	15	15
Refrigerant charging (R32)	Kg	0.55	0.80	0.80
Power supply	V/Hz/Ph	230/50/1	230/50/1	230/50/1

C = Cooling Mode H = Heating Mode

