

# INVERTER HI-WALL



Ultra Pure  
Filter



Plasma  
Ionizer













Fabric  
Lining

## HAORI



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 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 Activated
-  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 INDOOR UNIT

#### Cooling capacity

#### Cooling capacity

Cooling range (min. - max.)

Cooling range (min. - max.)

Power input  
(min. -rated - max.)

EER

SEER

Energy efficiency class

Seasonal electricity consumption

#### Heating capacity

#### Heating capacity

Heating range (min. - max.)

Heating range (min. - max.)

Power input  
(min. -rated - max.)

COP

SCOP (Average)

Energy efficiency class (Average)

SCOP (Warmer)

Energy efficiency class (Warmer)

Seasonal electricity consumption

|       |   | RAS-10J2AVSG-E1<br>RAS-B10N4KVRG-E | RAS-13J2AVSG-E1<br>RAS-B13N4KVRG-E | RAS-16J2AVSG-E1<br>RAS-B16N4KVRG-E |
|-------|---|------------------------------------|------------------------------------|------------------------------------|
| kW    |   | 2,5                                | 3,5                                | 4,6                                |
| BTU/h |   | 8.530                              | 11.943                             | 15.696                             |
| kW    |   | 0,89 - 3,20                        | 1,00 - 4,10                        | 1,20 - 5,30                        |
| BTU/h |   | 3.037 - 10.919                     | 3.412 - 13.990                     | 4.095 - 18.084                     |
| kW    | C | 0,19 - 0,54 - 0,79                 | 0,25 - 0,80 - 1,12                 | 0,34 - 1,35 - 1,72                 |
| W/W   |   | 4,63                               | 4,38                               | 3,41                               |
|       |   | 8,6                                | 8,7                                | 7,8                                |
|       | C | A+++                               | A+++                               | A++                                |
| kWh/a | C | 102                                | 142                                | 206                                |
| kW    |   | 3,2                                | 4,2                                | 5,5                                |
| BTU/h |   | 10.919                             | 14.331                             | 18.767                             |
| kW    |   | 0,90 - 4,70                        | 1,00 - 5,30                        | 1,10 - 6,30                        |
| BTU/h |   | 3.071 - 16.037                     | 3.412 - 18.084                     | 3.753 - 21.496                     |
| kW    | H | 0,18 - 0,74 - 1,23                 | 0,20 - 1,08 - 1,55                 | 0,30 - 1,52 - 1,90                 |
| W/W   |   | 4,32                               | 3,89                               | 3,62                               |
|       |   | 5,1                                | 5,1                                | 4,6                                |
|       | H | A+++                               | A+++                               | A++                                |
|       |   | 6,70                               | 6,30                               | 6,10                               |
|       | H | A+++                               | A+++                               | A+++                               |
| kWh/a | H | 684                                | 876                                | 1214                               |

## PHYSICAL DATA INDOOR

### INDOOR UNIT

Air Flow (h)

Air Flow (l)

Sound pressure level (h/q)

Sound power level (h)

Air Flow (h)

Air Flow (l)

Sound pressure level (h/q)

Sound power level (h)

Dimensions (HxWxD)

Weight

|            |   | RAS-B10N4KVRG-E | RAS-B13N4KVRG-E | RAS-B16N4KVRG-E |
|------------|---|-----------------|-----------------|-----------------|
| m³/h - l/s | C | 600 - 166       | 670 - 186       | 690 - 180       |
| m³/h - l/s | C | 300 - 83        | 320 - 89        | 340 - 83        |
| dB(A)      | C | 41/19           | 43/19           | 45/21           |
| dB(A)      | C | 54              | 56              | 58              |
| m³/h - l/s | H | 610 - 169       | 680 - 189       | 730 - 186       |
| m³/h - l/s | H | 300 - 86        | 320 - 89        | 360 - 83        |
| dB(A)      | H | 41/19           | 43/19           | 45/22           |
| dB(A)      | H | 54              | 56              | 58              |
| mm         |   | 300 x 987 x 210 | 300 x 987 x 210 | 300 x 987 x 210 |
| kg         |   | 11              | 11              | 12              |

## PHYSICAL DATA OUTDOOR

### OUTDOOR UNIT

Air Flow (max)

Sound pressure level (h)

Sound pressure level (Silent CDU#2)

Sound power level (h)

Sound power level (Silent CDU#2)

Operating range

Air Flow (max)

Sound pressure level (h)

Sound pressure level (Silent CDU#2)

Sound power level (h)

Sound power level (Silent CDU#2)

Operating range

Dimensions (HxWxD)

Weight

Compressor type

Flare connections (gas-liquid)

Minimum pipe length

Maximum pipe length

Maximum height difference

Chargeless pipe length

Refrigerant charging (R32)

Power supply

|            |   | RAS-10J2AVSG-E1 | RAS-13J2AVSG-E1 | RAS-16J2AVSG-E1 |
|------------|---|-----------------|-----------------|-----------------|
| m³/h - l/s | C | 1.890 - 524     | 1.950 - 540     | 2.040 - 566     |
| dB(A)      | C | 44              | 46              | 48              |
| dB(A)      | C | 37              | 39              | 40              |
| dB(A)      | C | 57              | 59              | 61              |
| dB(A)      | C | 50              | 52              | 53              |
| °C         | C | -15~46          | -15~46          | -15~46          |
| m³/h - l/s | H | 1.890 - 524     | 1.950 - 540     | 2.040 - 566     |
| dB(A)      | H | 46              | 48              | 50              |
| dB(A)      | H | 39              | 43              | 43              |
| dB(A)      | H | 59              | 61              | 63              |
| dB(A)      | H | 52              | 56              | 56              |
| °C         | H | -15~24          | -15~24          | -15~24          |
| mm         |   | 550 x 780 x 290 | 550 x 780 x 290 | 550 x 780 x 290 |
| kg         |   | 26              | 30              | 33              |
|            |   | DC Rotary       | DC Rotary       | DC Rotary       |
|            |   | 3/8" - 1/4"     | 3/8" - 1/4"     | 1/2" - 1/4"     |
| m          |   | 2               | 2               | 2               |
| m          |   | 20              | 20              | 20              |
| m          |   | 12              | 12              | 12              |
| m          |   | 15              | 15              | 15              |
| kg         |   | 0,55            | 0,8             | 0,8             |
| V-ph-Hz    |   | 230-1-50        | 230-1-50        | 230-1-50        |

