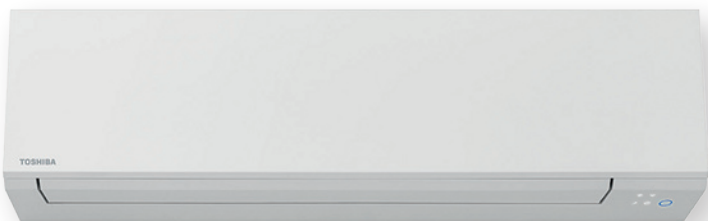


TOSHIBA

SHORAI EDGE

A fresh
take on design
and performance



 **Better Air Solutions**

EDGE DESIGN



Inner
beauty

Beautify your interior with a new stylish, contemporary design. With its straight lines, matt finish and invisible piping pre-cuts, the new SHORAI Edge fits perfectly with any type of interior.



WELCOME TO A+++ ENERGY CLASS

SHORAI Edge has been designed to offer optimal comfort in A+++ heating and cooling modes leading to true energy savings.



Absolute **silence**

Toshiba is constantly innovating to guarantee air conditioning excellence in line with users' expectations. To reduce noise and improve comfort, SHORAI Edge's Silent functions halves the sound level of the outdoor unit while its Quiet function reduces noise from the indoor unit to give you a good night's sleep.

Custom **well-being**

The innovative SHORAI Edge offers a new technology called "HADA CARE", which enhances air distribution in the room and protects skin moisture level.



Give yourself the **A+++ treatment**

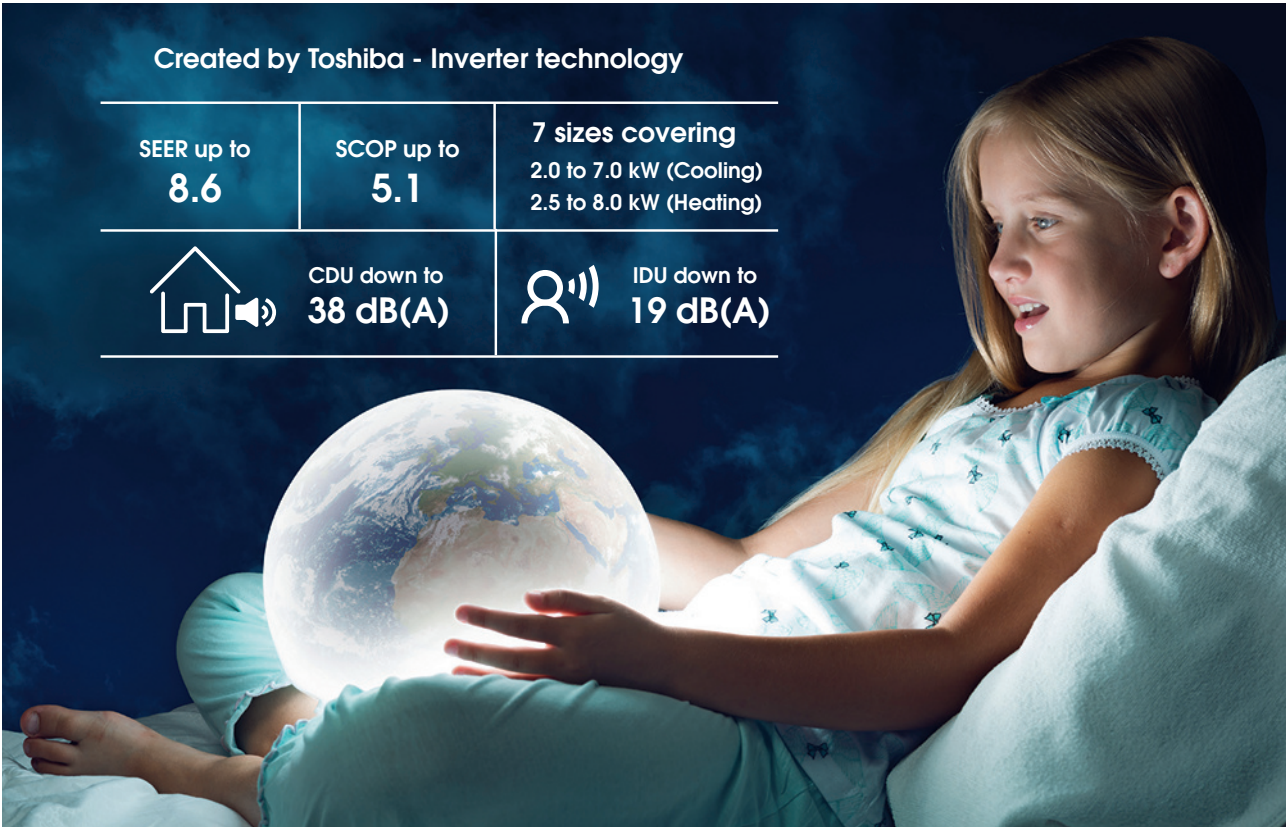
The SHORAI Edge is offering the best part load efficiencies on its market segment thanks to its triple A energy performance for both heating and cooling.

Out-of-the-box **installation**

Easy, optimised mounting thanks to the cutout markings for piping connections, allowing a faster installation time.

Created by Toshiba - Inverter technology

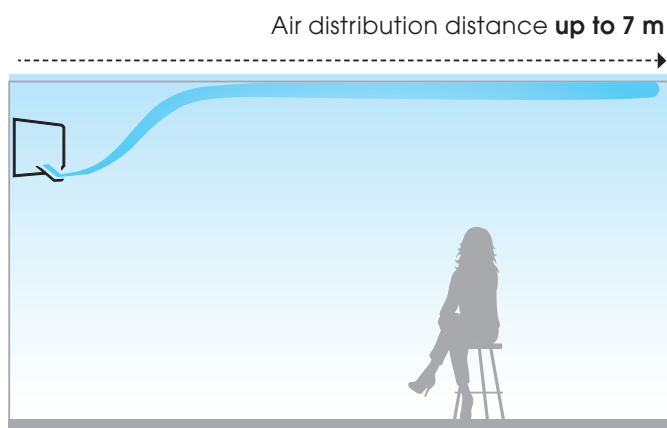
| | | |
|--|--|---|
| SEER up to 8.6 | SCOP up to 5.1 | 7 sizes covering 2.0 to 7.0 kW (Cooling) 2.5 to 8.0 kW (Heating) |
|  CDU down to 38 dB(A) |  IDU down to 19 dB(A) | |



INNOVATIVE WELL-BEING

HADA Care Flow (cooling mode)

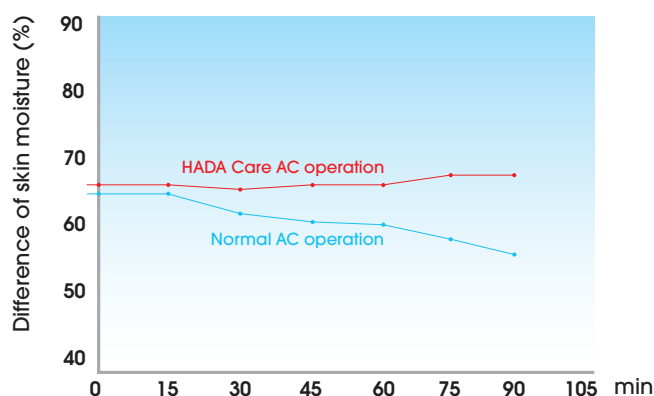
- Set louver position to generate indirect air flow to user, with better air distribution to homogenize room temperature.



Test room condition length >10m*

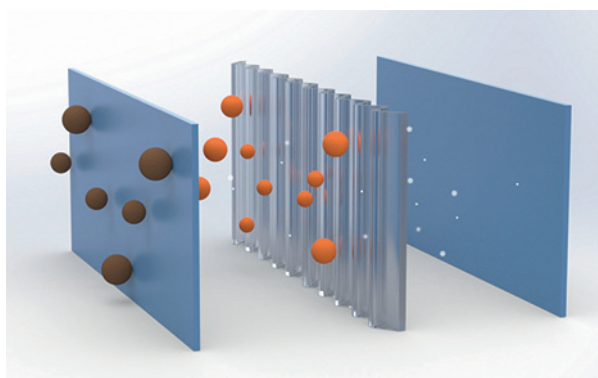
- Toshiba HADA Care mode makes stressfree condition for beauty skin.

Skin moisture shifting with operating air conditioner



Toshiba Magic Coil

- Thanks to special coated material on heat-exchanger, pollutants are continuously drained along with condensates.



Toshiba Ultra Pure Filter

PM2.5 purification 94% efficiency

- PM2.5 refers to particulate matters coming from atmospheric pollution that have a diameter of less than 2.5 micrometers.
- Studies have found a close link between exposure to fine particles and lung disease or worsen chronic disease.
- Toshiba Ultra Pure filter captures up to 94% of PM2.5, creating healthy living spaces at home (3).

(1) Department of Microbiology, Faculty of Medicine Siriraj Hospital Mahidol University, BKK, Thailand (2) Betagro Science Center Co., Ltd., 900017366 (3) Nantong deli purification equipment factory Co, Ltd.

ABSOLUTE SILENCE

Toshiba is always innovating to guarantee air conditioning excellence with the user in mind. The SHORAI Edge's outdoor unit is the most silent of the market in nominal operations. Its Quiet function cuts noise from the indoor unit to make sure you sleep soundly.



Ultra-quiet system
Less than
19dB(A)



Comfort unlimited



Silent operation
Down to
37dB(A)

Unique outdoor unit noise reduction

The SHORAI Edge unique Silent mode allows the user to reduce the outdoor unit noise level down to 6dB(A) to ensure neighborhood will have a tight sleep ... whenever the time of the day.

TREAT YOURSELF TO JAPANESE QUALITY

Design and reliability

Innovation, efficiency, high reliability, energy savings, respect for the environment. These powerful values are at the heart of everything we do at Toshiba.

For over 50 years, Toshiba has been providing its clients with the guaranteed precision and expertise of flawless Japanese quality.



Toshiba's innovative inverter technology

Toshiba's innovative rotary compressor technology combines exemplary performance with outstanding reliability. Minimising fluctuations to ensure a constant temperature, it increases efficiency while eliminating the risk of incidental noise.

Toshiba, Inverter Technology allows the SHORAI Edge to regulate heating and cooling capacity at all times, by adjusting the compressor speed to demand.



SOLUTION WELL-BEING



Designed to maximize your comfort, Toshiba offers remote functions that make everyday life simpler.

HADA CARE

Set louver position to generate indirect air flow to user, with better air distribution to homogenize room temperature.

3D Airflow

The unit boasts a 3D smart airflow system, with independent louvers and 6 patterns for unlimited comfort (only sizes 18.22 & 24).

Silent Operation (outdoor unit)

Toshiba's unique noise reduction function of outdoor unit down to 6dB(A) for your neighborhood comfort.

Quiet mode (indoor unit)

Press FAN button to adjust speed and reach Quiet mode to operate at silent noise level.

Weekly timer

Weekly timer allows to set «on and off» times or program settings every 24 hours. Up to 4 different settings/days and 7 different programs in a week.

8°C heating

Protects your home and contents from freezing temperatures while you are away, making it the perfect choice in winter.

Fire place in heating mode

Toshiba's unique fireplace mode provides optimum diffusion heat from your fireplace or other heat sources, by keeping the indoor unit fan blowing continuously at low speed, even when the compressor is switched off.

On-demand defrost

In certain extreme conditions, one can manually defrost at any time by pressing SET button for 5 seconds.

Wireless adapter support

Integrated in all the units for easier installation in light commercial applications.

Comfort sleep

For optimum comfort while sleeping, set the temperature to rise by 1°C after 1 hour, then another degree after 2 hours, which will be maintained until morning.

Toshiba remote control features, including preset functions, power select and ECO to reduce your energy bills, comfort sleep to optimize the room temperature at night, and Hi-power for ultra-fast cooling or heating.

SHORAI Edge is finally a truly intuitive system, nothing could be simpler to use.

- It stores the position of the louvers after an auto restart, minimizing disruption and maximizing your comfort.
- It restarts automatically after a power failure, and runs its own diagnostics. LEDs on the unit allow you to see which operations are active at a glance.



MAKE YOUR AIR CONDITIONER SMART

Enhance your comfort
at home or away



Customise your comfort, finding the perfect cooling or heating level for your family at any time, no matter where you are. When at home, simply replace your infrared remote control with the intuitive smart app. This also gives you

easy access to your air conditioner on the move, allowing you to adapt your comfort to your lifestyle!

The Wi-Fi module on all FCU models is invisible thanks to its embedded wireless adapter.



Want to go home and immediately enjoy an ideal temperature?

Simply use the app to check the status, quickly and easily, adjust your comfort, no matter where you are.

8°C Holiday frost protection mode

Fireplace mode

Wi-Fi invisible module

Hi POWER Boost mode

Silent CDU to reduce the outdoor unit noise level

Easy scheduling function to optimise your comfort and energy bill

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SHORAI EDGE - R32 Performance data

| Outdoor unit | | RAS-07J2AVSG-E | RAS-10J2AVSG-E | RAS-13J2AVSG-E | RAS-16J2AVSG-E | RAS-18J2AVSG-E | RAS-22J2AVSG-E | RAS-24J2AVSG-E |
|-----------------------------------|----------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Indoor unit | | RAS-B07J2KVS-G-E | RAS-B10J2KVS-G-E | RAS-B13J2KVS-G-E | RAS-B16J2KVS-G-E | RAS-B18J2KVS-G-E | RAS-B22J2KVS-G-E | RAS-B24J2KVS-G-E |
| Cooling capacity | kW | 2.0 | 2.5 | 3.5 | 4.6 | 5.0 | 6.1 | 7.0 |
| Cooling range (min. - max.) | kW | (0.89 - 2.90) | (0.89 - 3.20) | (1.00 - 4.10) | (1.20 - 5.30) | (1.20 - 6.00) | (1.39 - 6.70) | (1.70 - 7.70) |
| EER | W/W | 5.13 | 4.63 | 3.89 | 3.41 | 3.52 | 3.07 | 3.11 |
| SEER | | 8.5 | 8.6 | 8.6 | 7.8 | 7.8 | 7.3 | 6.3 |
| Energy efficiency class | C | A+++ | A+++ | A+++ | A++ | A++ | A++ | A++ |
| Seasonal electricity consumption | kWh/a | 82 | 102 | 142 | 206 | 224 | 292 | 389 |
| Heating capacity | kW | 2.5 | 3.2 | 4.2 | 5.5 | 6.0 | 7.0 | 8.0 |
| Heating range (min. - max.) | kW | (0.90 - 3.60) | (0.90 - 4.80) | (1.00 - 5.30) | (1.10 - 6.50) | (1.10 - 6.50) | (1.15 - 7.50) | (1.70 - 8.80) |
| Power input (min. - rated - max.) | kW | H (0.16 - 0.50 - 0.80) | (0.16 - 0.70 - 1.23) | (0.20 - 1.08 - 1.55) | (0.24 - 1.52 - 1.90) | (0.25 - 1.59 - 1.75) | (0.26 - 1.88 - 2.10) | (0.29 - 2.35 - 2.75) |
| Pdesignh | kW | 2.3 | 2.5 | 3.2 | 4.00 | 4.3 | 4.7 | 6.3 |
| COP | W/W | 5.00 | 4.57 | 3.89 | 3.62 | 3.77 | 3.72 | 3.40 |
| SCOP | | 5.1 | 5.1 | 5.1 | 4.6 | 4.6 | 4.6 | 4.1 |
| Energy efficiency class | H | A+++ | A+++ | A+++ | A++ | A++ | A++ | A+ |
| Seasonal electricity consumption | kWh/a | 631 | 686 | 878 | 1217 | 1309 | 1430 | 2149 |

SHORAI EDGE - R32 Physical data indoor

| Indoor unit | | RAS-B07J2KVS-G-E | RAS-B10J2KVS-G-E | RAS-B13J2KVS-G-E | RAS-B16J2KVS-G-E | RAS-B18J2KVS-G-E | RAS-B22J2KVS-G-E | RAS-B24J2KVS-G-E |
|---------------------------------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Sound pressure level (h/quiet) | dB(A) C | 40/19 | 40/19 | 43/19 | 44/21 | 44/26 | 45/27 | 47/28 |
| Sound power level (h) | dB(A) C | 53 | 53 | 56 | 57 | 57 | 58 | 60 |
| Air Flow (h) | m³/h - l/s | C 660 - 183 | 660 - 183 | 732 - 203 | 750 - 208 | 990 - 274 | 1032 - 286 | 1122 - 311 |
| Sound pressure level (h/quiet) | dB(A) H | 40/19 | 40/19 | 43/19 | 44/22 | 44/26 | 46/27 | 48/28 |
| Sound power level (h) | dB(A) H | 53 | 53 | 56 | 57 | 57 | 59 | 61 |
| Air Flow (h) | m³/h - l/s | H 660 - 183 | 660 - 183 | 732 - 203 | 768 - 213 | 990 - 274 | 1080 - 299 | 1140 - 316 |
| Dimensions (HxWxD) | mm | 293x800x226 | 293x800x226 | 293x800x226 | 293x800x226 | 320x1053x245 | 320x1053x245 | 320x1053x245 |
| Weight | kg | 10 | 10 | 10 | 10 | 14 | 14 | 14 |
| Remote controller | | WH-TA15PE | WH-TA15PE | WH-TA15PE | WH-TA15PE | WH-TA12PE | WH-TA12PE | WH-TA12PE |

SHORAI EDGE - R32 Physical data outdoor

| Outdoor unit | | RAS-07J2AVSG-E | RAS-10J2AVSG-E | RAS-13J2AVSG-E | RAS-16J2AVSG-E | RAS-18J2AVSG-E | RAS-22J2AVSG-E | RAS-24J2AVSG-E |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Sound pressure level (high) | dB(A) C | 44 | 44 | 46 | 48 | 48 | 49 | 50 |
| Sound pressure level (silent CDU#2) | dB(A) C | 38 | 38 | 39 | 40 | 42 | 43 | 43 |
| Sound power level (h) | dB(A) C | 57 | 57 | 59 | 61 | 61 | 62 | 63 |
| Operating range cooling mode | °C | C -15~46 | -15~46 | -15~46 | -15~46 | -15~46 | -15~46 | -15~46 |
| Sound pressure level (h) | dB(A) H | 46 | 46 | 48 | 50 | 50 | 51 | 52 |
| Sound pressure level (silent CDU#2) | dB(A) H | 40 | 40 | 43 | 43 | 44 | 46 | 46 |
| Sound power level (h) | dB(A) H | 59 | 59 | 61 | 63 | 63 | 64 | 65 |
| Operating range heating mode | °C | H -15~24 | -15~24 | -15~24 | -15~24 | -15~24 | -15~24 | -15~24 |
| Dimensions (HxWxD) | mm | 550x780x290 | 550x780x290 | 550x780x290 | 550x780x290 | 550x780x290 | 550x780x290 | 630x800x300 |
| Weight | kg | 26 | 26 | 30 | 33 | 34 | 34 | 42 |
| Compressor type | | DC Rotary | DC Rotary | DC Rotary | DC Rotary | DC Twin Rotary | DC Twin Rotary | DC Twin Rotary |
| Flare connections (gas-liquid) | | 3/8" - 1/4" | 3/8" - 1/4" | 3/8" - 1/4" | 1/2" - 1/4" | 1/2" - 1/4" | 1/2" - 1/4" | 1/2" - 1/4" |
| Minimum pipe length | m | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Maximum pipe length | m | 20 | 20 | 20 | 20 | 20 | 20 | 25 |
| Maximum height difference | m | 12 | 12 | 12 | 12 | 12 | 12 | 15 |
| Chargeless pipe length | m | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Refrigerant charge (R32) | kg | 0.55 | 0.55 | 0.8 | 0.8 | 1.1 | 1.1 | 1.14 |
| Power supply | V-ph-Hz | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 |

C: cooling mode
H: heating mode



TOSHIBA Air Conditioning participates in the ECP program for Comfort Air Conditioners (AC). Check ongoing validity of certificate: www.eurovent-certification.com



Better Air Solutions

