TOSHIBA

UNIVERSAL ALLROUNDER

# SHORAI EDGE BLACK

## Highlights

Careflow air distribution (18, 22, 24)
A +++ for cooling & heating
Ultra Pure 2.5 filter
WIFI adaptor integrated as standard

HIGH line hiwall unit in a stylish BLACK matt design. Highest energy efficiency in combination with Ultra-Pure air filter and design remote control. 3D- and Careflow- air distribution move the air flow draft-free in the room. For use with 1:1 single outdoor unit or in combination with other indoor units on a 2 to 5 room multi outdoor unit.

## Attractive and economical

- Very high energy efficiency (A +++)
- DC Hybrid inverter technology
- Particularly high efficiency in part load range
- Whisper mode for indoor & outdoor units
- Colored, dimmable LED displays
- Draft-free comfort: 3D Airflow (18, 22, 24)
- Intelligent airflow: Hada Careflow

## Resource-friendly

- Inverter control minimizes power consumption
- ECO mode
- Air as an energy source in heating mode
- Low-GWP refrigerant R32

## Clean ambient air

- Washable dust filters cover the entire heat exchanger
- "Magic Coil" coating of the heat exchanger fins
- Self-cleaning function dries the heat exchanger after the end of operation
- Highly effective Ultra Pure filter of the particle class 2.5 µ

## Operation & features

- Design infrared remote control included
- Clear & simple operation
- Automatic mode, Hi power
- OFF-timer (1 to 12 hours)
- QUIET mode for indoor unit
- SILENT mode for outdoor unit
- 8 ° C frost protection function
- Fireplace mode
- Power Select
- Automatic restart after power failure adjustable
- APP control via smartphone and tablet
- WIFI module integrated in the indoor unit as standard
- An indoor unit can be operated by up to 5 users
- Up to 10 indoor units can be controlled by one user
- Several devices can be combined in up to 3 groups / zones
- Child lock
- Multi-Language APP: German, English, Czech, Croatian, Hungarian, Slovenian, Slovak
- ENERGY MONITORING makes the power consumption transparent.

HIGHER quality in LIFE

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# SHORAI EDGE BLACK / SET

| Indoor unit<br>Outdoor unit | | | RAS-B13G3KVSGB-E<br>RAS-13J2AVSG-E1 |
|---|---|---|---|
| Cooling capacity | kW | ❄ | 3,50 |
| Cooling range (min.-max.) | kW | ❄ | 1,00 - 4,10 |
| Power consumption (min./nom./max.) | kW | ❄ | 0,25/0,90/1,12 |
| Pdesign c | kW | | 3,5 |
| Energy efficiency EER | W/W | ❄ | 3,89 |
| Energy efficiency SEER | | ❄ | 8,60 |
| Energy efficiency class | | ❄ | A+++ |
| Annual electricity consumption | kWh/a | ❄ | 142 |
| Outdoor temperature operating range (min.-max.) | °C | ❄ | -15/+46 |
| Heating capacity | kW | ☀ | 4,20 |
| Heating range (min.-max.) | kW | ☀ | 1,00 - 5,30 |
| Power consumption (min./nom./max.) | kW | ☀ | 0,20/1,08/1,55 |
| Pdesign h | kW | | 3,2 |
| Energy efficiency COP | W/W | ☀ | 3,89 |
| Energy efficiency SCOP | | ☀ | 5,10 |
| Energy efficiency class | | ☀ | A+++ |
| Annual electricity consumption | kWh/a | ☀ | 878 |
| Outdoor temperature operating range (min.-max.) | °C | ☀ | -15/+24 |

| Indoor unit | | | RAS-B13G3KVSGB-E |
|---|---|---|---|
| Sound pressure level (low/med/high) | dB(A) | ❄ | 19/23/43 |
| Sound pressure level (low/med/high) | dB(A) | ☀ | 19/23/43 |
| Sound power level | dB(A) | ❄ | 56 |
| Sound power level | dB(A) | ☀ | 56 |
| Airflow | $m^3/h$ | | 342-732 |
| Condensate pipe diameter | mm | | VP13 |
| Dimensions (HxWxD) | mm | | 293 x 800 x 226 |
| Weight | kg | | 10 |

❄ Cooling ☀ Heating

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# SHORAI EDGE BLACK / SET

| Outdoor unit | | | RAS-13J2AVSG-E1 |
|---|---|---|---|
| Power supply | V/Ph+N/Hz | | 220-240/1+N/50 |
| Recommended fusing | A | | 10 |
| Recommended power supply line type | | | H07RN-F 3G1,5 |
| Communication line | | | H07RN-F 4G1,5 |
| Current consumption (nom.) | A | | 3,89 |
| Current consumption (max.) | A | | 7,50 |
| Sound pressure level (low/med/high) | dB(A) | ❄ | 39/45/46 |
| Sound pressure level (low/med/high) | dB(A) | ☀ | 43/46/48 |
| Sound power level | dB(A) | ❄ | 59 |
| Sound power level | dB(A) | ☀ | 61 |
| Suction gas pipe diameter | mm (inch) | | 9,5 (3/8) |
| Liquid pipe diameter | mm (inch) | | 6,3 (1/4) |
| Pipe length (min.) | m | | 2 |
| Pipe length (max.) | m | | 20 |
| Height difference (max.) | m | | 12 |
| Airflow | $m^3/h$ | | 1950 |
| Compressor type | | | DC Rotary |
| Refrigerant | | | R32 |
| Refrigerant charge | kg | | 0,80 |
| Pre-charged up to | m | | 15 |
| Added refrigerant charge | g/m | | 20 |
| Dimensions (HxWxD) | mm | | 550 x 780 x 290 |
| Weight | kg | | 30 |

❄ Cooling ☀ Heating

The measuring conditions for this product can be found at https://www.toshiba-aircondition.com/en/measuring-conditions.html

| Accessories | Description |
|---|---|
| Fernbedienung | Infrared remote control included |
| 818F0036 | IAQ filter strips |
| 818F0023 | Active carbon-catechin filter strips |
| 818F0072 | Ultra-Fresh filter strips |
| TCB-IFCB5-PE | External on/off PCB, window contact module |
| TCB-PX100-PE | Casing for outdoor installation of window contact module for high-wall units |

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In order to make it easier for you to select the optimal product, you can find the description of the special TOSHIBA product functions for your model here:

**Energy Label A+++: Energy efficiency class A+++** guarantees the lowest power consumption and the highest efficiency!

**Dust filter:** Washable filter against coarse contamination.

**Auto Mode:** Automatic selection between cooling and heating.

**Auto diagnostic:** Check of system for flawless operation.

**Quiet Mode:** Whisper mode for the indoor unit.

**Timer:** Individual programming of on-/off times.

**8°C Antifreeze Protection:** Protects unoccupied rooms.

**R32:** Used refrigerant: R32.

**Self-cleaning function:** Usage of condensate water for cleaning.

**HI POWER:** Particularly strong airflow for quickly reaching the requested temperature.

**Eco Mode:** Energy saving function.

**Power Selection:** Capacity regulation and therefore power savings of up to 25, 50 or 75%.

**Automatic Restart:** After a power blackout.