



1:1 SINGLE-SPLIT OUTDOOR UNIT R32

## SHORAI EDGE



### Highlights

- Can be connected to one indoor unit
- Piping lengths up to max. 25 m
- Compact, quiet & durable

Compact and quiet outdoor units with low-GWP refrigerant R32 for 1:1 combination with SHORAI EDGE or CONSOLES indoor units. In a robust, weatherproof housing, can be set up flexibly.



### Economical & reliable

- Very high energy efficiency (A+++)
- DC hybrid inverter technology
- Single (07 to 16) or twin rotary compressor (18 to 24)
- Particularly high efficiency in part load range
- Complies with the ECODSIGN Lot10 guideline
- Wide operating temperature range
- Housing made of galvanized sheet steel with a cream-colored stove enamel finish
- Large curved heat exchanger for a small footprint
- Automatic restart after power failure adjustable



### Saving resources

- Inverter control minimizes power consumption
- Eco mode
- Environmentally friendly low-GWP refrigerant R32 pre-filled
- Air as an energy source in heating mode
- Inconspicuous design adapts to any environment
- SILENT whisper mode



### Comfort and economy functions

- Operation via comfort IR remote control (included with the indoor unit)
- Clear & simple operation
- Automatic mode
- Hi power
- Comfort sleep
- Weekly timer with 4 freely programmable settings / day
- 28 time programs per week
- SILENT operating mode
- 8 °C frost protection function
- Power Select
- Optional APP control via smartphone and tablet

## SHORAI EDGE / SET

Indoor unit	RAS-B16J2KVSG-E		
Outdoor unit	RAS-16J2AVSG-E		
Cooling capacity	kW	❄️	4,60
Cooling range (min.-max.)	kW	❄️	1,20 - 5,30
Power consumption (min./nom./max.)	kW	❄️	0,34/1,35/1,72
Pdesign c	kW		4,60
Energy efficiency EER	W/W	❄️	3,41
Energy efficiency SEER		❄️	7,80
Energy efficiency class		❄️	A++
Outdoor temperature operating range (min.-max.)	°C	❄️	-15/+46
Heating capacity	kW	🔥	5,50
Heating range (min.-max.)	kW	🔥	1,10 - 6,50
Power consumption (min./nom./max.)	kW	🔥	0,24/1,52/1,90
Pdesign h	kW		4,00
Energy efficiency COP	W/W	🔥	3,62
Energy efficiency SCOP		🔥	4,60
Energy efficiency class		🔥	A++
Outdoor temperature operating range (min.-max.)	°C	🔥	-15/+24

Indoor unit	RAS-B16J2KVSG-E		
Sound pressure level (low/med/high)	dB(A)	❄️	21/25/44
Sound pressure level (low/med/high)	dB(A)	🔥	22/26/44
Sound power level	dB(A)	❄️	57
Sound power level	dB(A)	🔥	57
Airflow	m <sup>3</sup> /h		768
Dimensions (HxWxD)	mm		293 x 800 x 226
Weight	kg		10

❄️ Cooling 🔥 Heating

## SHORAI EDGE / SET

Outdoor unit			RAS-16J2AVSG-E
Power supply	V/Ph+N/Hz		220-240/1/50
Recommended fusing	A		16
Current consumption (max.)	A		10,60
Sound pressure level (low/med/high)	dB(A)	❄️	48
Sound pressure level (low/med/high)	dB(A)	🔥	50
Sound power level	dB(A)	❄️	57
Sound power level	dB(A)	🔥	63
Suction gas pipe diameter	mm (inch)		12,7 (1/2)
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 <sup>3</sup> /h		2040
Compressor type			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		33

❄️ Cooling 🔥 Heating

The measuring conditions for this product can be found at <http://www.toshiba-klima.at/en/measuring-conditions.html>



**Energy Label:** Energy label **A+ to A+++**, indicates the power consumption and energy efficiency class.



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



**ErP Ecodesign:** All criteria of **ECODESIGN**-guideline are fulfilled and confirm highest system efficiency.



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



**Hybrid inverter control:** Smooth capacity regulation.



**Eco Mode:** Energy saving function.



**Rotary compressor:** Reliability and high efficiency.



**Quiet Mode:** Particularly low noise level - whispering mode.



**Twin rotary compressor:** Long-lasting, smoothly running and highest efficiency.



**Comfort Sleep:** Gradual increase of temperature by 2 °C until morning.



**R410A:** Used refrigerant: R410A.



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



**R32:** Used refrigerant: R32.



**Floor Mode:** Natural floor warming effect for greater comfort.



**Wifi ready:** Optional control of the system via a smartphone.



**Preset Mode:** Activates individual settings at the touch of a button.



**KNX:** Optional KNX bus connection.



**One Touch Mode:** Fully automatic operation adapted to your needs.



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



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



**IAQ filter:** Fine mesh filter with natural substances.



**Off Timer:** Shutdown of the unit at chosen times (30 min to 12 h).



**Active carbon-catechin filter:** Cleansing filter with enzymes from green tea.



**Week Timer:** Up to four settings per day and seven per week.



**Plasma filter: Pure Mode:** Electrostatic filter system.



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



**Air ionizer:** Negative ions cover polluted particles in the air. Dust, pollen and smoke are neutralized.



**8 °C frost protection function:** Frost protection for uninhabited rooms.



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



**Louver:** Flexible setting of louvers.



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



**3D Airflow:** 6 different airflow patterns in all directions.