



1:1 SINGLE-SPLIT OUTDOOR UNIT R32

SHORAI



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 ECODESIGN 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 / SET

Indoor unit	RAS-B10N4KVRG-E		
Outdoor unit	RAS-10J2AVSG-E1		
Cooling capacity	kW	❄️	2,50
Cooling range (min.-max.)	kW	❄️	0,89 - 3,20
Power consumption (min./nom./max.)	kW	❄️	0,19/0,54/0,79
Pdesign c	kW		2,5
Energy efficiency EER	W/W	❄️	4,63
Energy efficiency SEER		❄️	8,60
Energy efficiency class		❄️	A+++
Annual electricity consumption	kWh/a	❄️	102
Outdoor temperature operating range (min.-max.)	°C	❄️	-15/+46
Heating capacity	kW	🔥	3,20
Heating range (min.-max.)	kW	🔥	0,90 - 4,70
Power consumption (min./nom./max.)	kW	🔥	0,18/0,74/1,23
Pdesign h	kW		2,5
Energy efficiency COP	W/W	🔥	4,32
Energy efficiency SCOP		🔥	5,10
Energy efficiency class		🔥	A+++
Annual electricity consumption	kWh/a	🔥	684
Outdoor temperature operating range (min.-max.)	°C	🔥	-15/+24

Indoor unit	RAS-B10N4KVRG-E		
Sound pressure level (low/med/high)	dB(A)	❄️	19/-/41
Sound pressure level (low/med/high)	dB(A)	🔥	19/-/41
Sound power level	dB(A)	❄️	54
Sound power level	dB(A)	🔥	54
Airflow	m ³ /h		300-600
Condensate pipe diameter	mm		VP13
Dimensions (HxWxD)	mm		300 x 987 x 210
Weight	kg		11

❄️ Cooling 🔥 Heating



SHORAI / SET

Outdoor unit	RAS-10J2AVSG-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		2,45
Current consumption (max.)	A		6,75
Sound pressure level (low/med/high)	dB(A)	❄️	44
Sound pressure level (low/med/high)	dB(A)	🔥	46
Sound power level	dB(A)	❄️	57
Sound power level	dB(A)	🔥	59
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		1890
Compressor type			Rotary
Refrigerant			R32
Refrigerant charge	kg		0,55
Pre-charged up to	m		15
Added refrigerant charge	g/m		20
Dimensions (HxWxD)	mm		550 x 780 x 290
Weight	kg		26

❄️ 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
RB-I4101-E	Fabric cover Dark Gray enclosed
RB-I4102-E	Fabric cover Light Gray enclosed
RB-I4103-E	Fabric cover Bluish Gray
RB-I4104-E	Fabric cover Gray Beige
RB-I4105-E	Fabric cover Dark Brown
RB-I4106-E	Fabric cover Emerald Blue
818F0023	Active carbon-catechin filter strips
818F0050	Ultra-pure 2.5 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



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!



Hybrid inverter control: Smooth capacity regulation.



Rotary compressor: Reliability and high efficiency.



R32: Used refrigerant: R32.



Auto diagnostic: Check of system for flawless operation.

