



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-B22J2KVSG-E
Outdoor unit			RAS-22J2AVSG-E
Cooling capacity	kW	❄️	6,10
Cooling range (min.-max.)	kW	❄️	1,39 - 6,70
Power consumption (min./nom./max.)	kW	❄️	0,36/1,99/2,20
Pdesign c	kW		6,10
Energy efficiency EER	W/W	❄️	3,07
Energy efficiency SEER		❄️	7,30
Energy efficiency class		❄️	A++
Outdoor temperature operating range (min.-max.)	°C	❄️	-15/+46
Heating capacity	kW	🔥	7,00
Heating range (min.-max.)	kW	🔥	1,15 - 7,50
Power consumption (min./nom./max.)	kW	🔥	0,26/1,88/2,10
Pdesign h	kW		4,70
Energy efficiency COP	W/W	🔥	3,72
Energy efficiency SCOP		🔥	4,60
Energy efficiency class		🔥	A++
Outdoor temperature operating range (min.-max.)	°C	🔥	-15/+24

Indoor unit			RAS-B22J2KVSG-E
Sound pressure level (low/med/high)	dB(A)	❄️	27/34/45
Sound pressure level (low/med/high)	dB(A)	🔥	27/34/46
Sound power level	dB(A)	❄️	58
Sound power level	dB(A)	🔥	59
Airflow	m <sup>3</sup> /h		1032
Condensate pipe diameter	mm		16
Dimensions (HxWxD)	mm		320 x 1053 x 245
Weight	kg		14

❄️ Cooling 🔥 Heating



## SHORAI / SET

Outdoor unit			RAS-22J2AVSG-E
Power supply	V/Ph+N/Hz		220-240/1+N/50
Recommended fusing	A		16
Communication line			H07RN-F 4G1,5
Current consumption (nom.)	A		8,14
Current consumption (max.)	A		9,30
Sound pressure level (low/med/high)	dB(A)	❄️	43/48/49
Sound pressure level (low/med/high)	dB(A)	🔥	46/50/51
Sound power level	dB(A)	❄️	58
Sound power level	dB(A)	🔥	64
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		2184
Compressor type			Twin-Rotary
Refrigerant			R32
Refrigerant charge	kg		1,10
Pre-charged up to	m		15
Added refrigerant charge	g/m		20
Dimensions (HxWxD)	mm		550 x 780 x 290
Weight	kg		34

❄️ 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-N103S-G	TOSHIBA Home AC control - wireless WiFi control / Seiya (24), Shorai Edge, Daiseikai 9
818F0036	IAQ filter strips
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:



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



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



**R32:** Used refrigerant: R32.



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

