

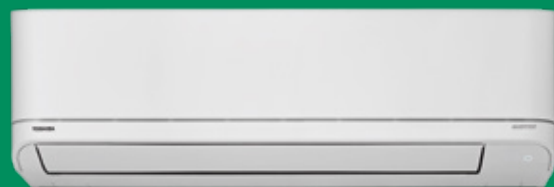
**TOSHIBA** Leading Innovation >>>



“ Do you want to improve your quality of life? ”



*SHORAI*



TOSHIBA AIR CONDITIONING > RESIDENTIAL SOLUTIONS > HIGH WALL INDOOR INVERTER UNIT > **SHORAI**

**whatever  
you need**



EFFICIENCY RELIABILITY ENVIRONMENTAL SUSTAINABILITY SIMPLICITY

# SHORAI

## R32

>>> with TOSHIBA



## Silence, you can hear the excellence...



**TOSHIBA is proud to offer its latest innovation in Residential design, comfort and high energy performance (A++ / A++).**

**The all new SHORAI R32 range of residential air conditioners incorporates a new fresh design and smooth blended lines, which will fit seamlessly into any interior.**

One of the many attributes of the new SHORAI R32 range, is its flexibility. With 6 capacity sizes, there is always a model that meets your requirements.

With all models incorporating TOSHIBA's exclusive inverter rotary compressor technology, the SHORAI R32 range of units operates effortlessly, even when placed in extreme operating environments. This has resulted in an impressive operating range of -15°C up to 46°C in cooling mode and -15°C to 24°C in heating mode.

**Created by TOSHIBA - INVERTER TECHNOLOGY**

**SEER**  
UP TO  
7.30

**SCOP**  
UP TO  
4.60



**23 dB(A)** at 1.5 m

**6 sizes covering**  
**2.5/3.2 to 7.0/8.0 kW**  
**(cooling /heating)**



**Self-cleaning**

### New modern high wall design

At just 293 mm high and 798 mm long for all sizes, this new efficient high wall design is one of the most compact of the market in its category.

### Serenity and simplicity

Incorporating a self-cleaning coil with a clever yet simplistic design, provides ease of servicing, installation and operation.

### Eco-friendly

SHORAI R32 meets F-Gas regulation targets to reduce its Global Warming Impact.



**HFC consumption in equivalent tons of CO<sub>2</sub>**

**-37%**

in 2018

**-69%**

in 2024

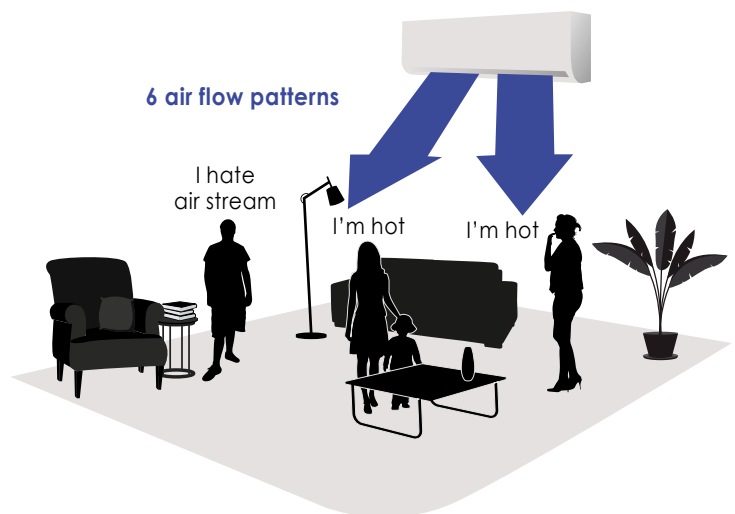
**-79%**

in 2030

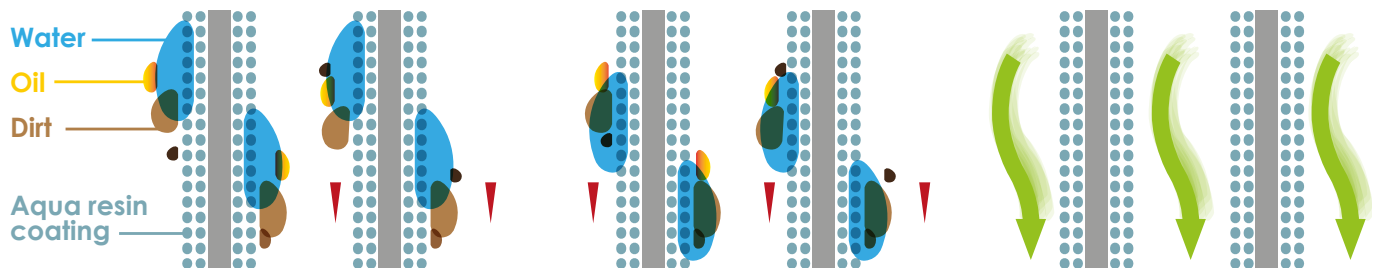
## > SMART AIRFLOW

Motorised, independent louvres offer 6 air flow patterns to ensure high comfort levels, especially for large rooms.

**Manage your comfort using the Smart Airflow control on SHORAI R32 (sizes 18-22-24k).**



## > MAGIC-COIL AND SELF-CLEANING

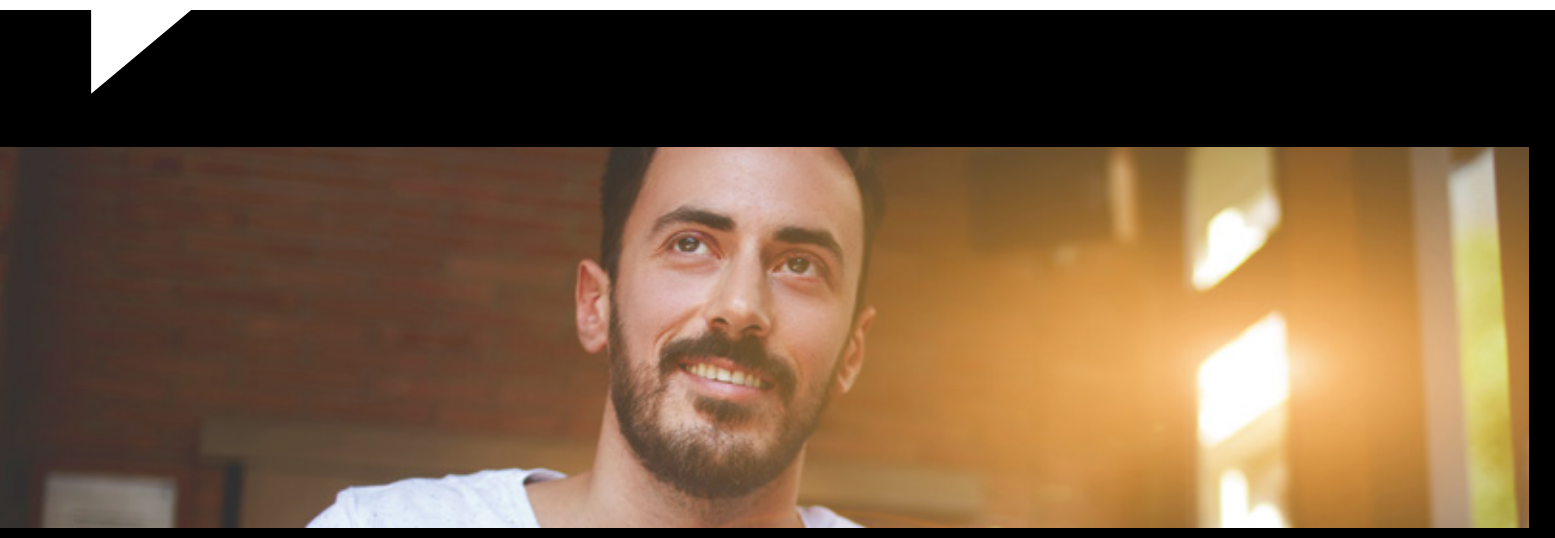


The new SHORAI R32 model range comes equipped with a self-cleaning indoor coil function. This new control reduces the moisture build up on the coil and inhibits the formation of any mould. Using a combination of a specially-coated aluminium coil that will not allow condensation to form and an internal fan, which will continue to run for a specific amount of time even after the units has turned off, ensures long lasting performance and a high quality air environment.





**Turn over  
a new page**  
and discover the future  
of comfort...



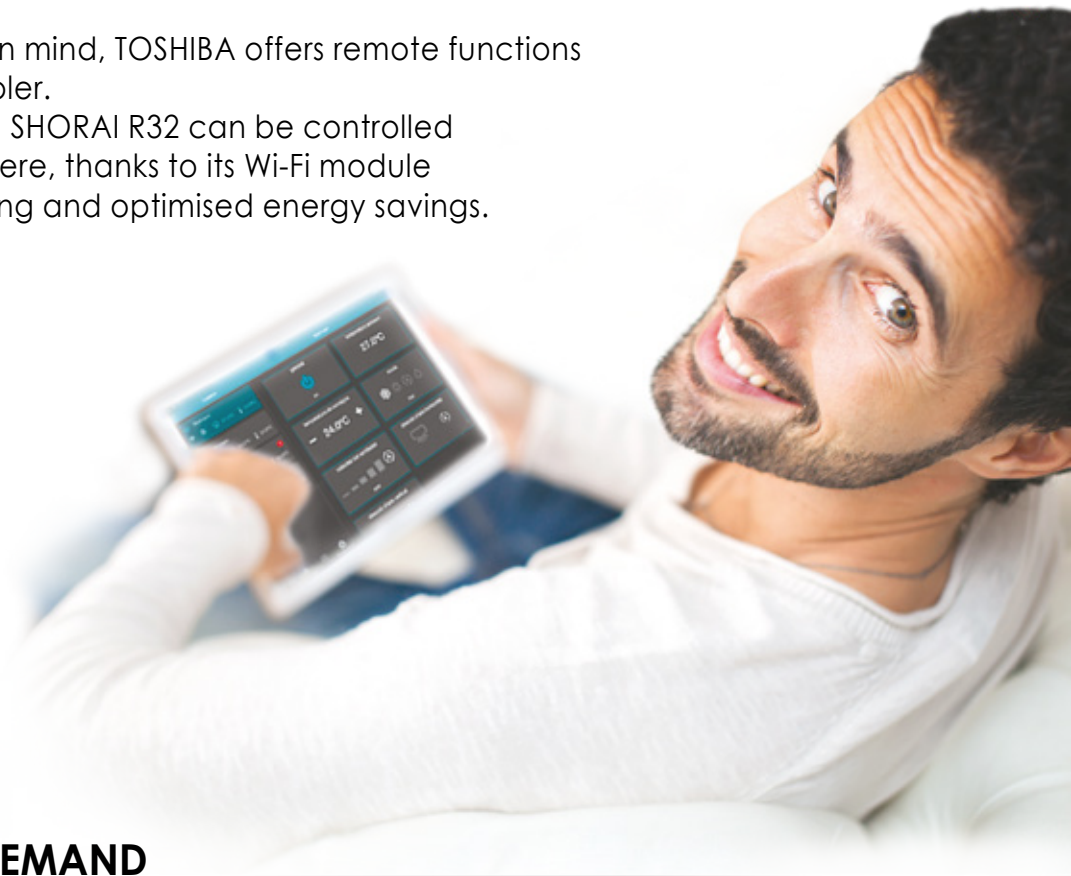
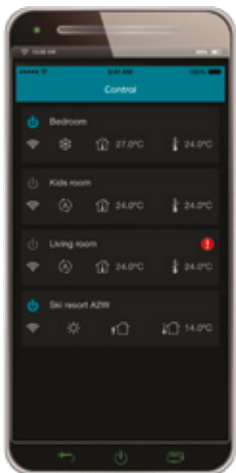
**whatever  
you need**

## WI-FI CONTROL

### Anytime, anywhere...

With the comfort of its users in mind, TOSHIBA offers remote functions that make everyday life simpler.

As a truly connected object, SHORAI R32 can be controlled at anytime and from anywhere, thanks to its Wi-Fi module that offers maximum wellbeing and optimised energy savings.



## WELLBEING ON DEMAND

TOSHIBA offers a home automation solution that gives the user full at home or remote control over the ambient temperature of every room.

Using this solution it is possible to achieve bespoke comfort and energy savings through the precise management and programming schedule of the air conditioner. In essence it is possible to adapt the system to meet the comfort and quality of life that are entirely in line with the individual needs of every user.



### Standard remote control

Combining all the essential functions, it offers rapid access to economy and High Power modes and includes mode adjustments, fan speed, set point and Smart Airflow control as standard.

The standard remote control is wireless but can also be used with a wire.

### Weekly remote control

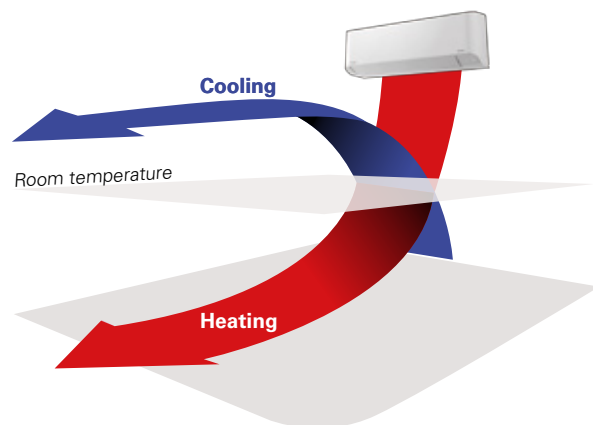
This optional high-end remote control ensures total control of the temperature of each living space. Its backlit screen displays all data with simple and user-friendly navigation. Three basic function keys – start, command change, favourite settings – are accessible directly below the screen, while advanced functions can be accessed by lifting the protective cover. The timer function allows up to **4 daily settings, or 28 programs per 7-day period.**



## INVERTER TECHNOLOGY

Created by TOSHIBA, Inverter technology allows the unit to regulate its cooling and heating capacity at all times. It does so by adjusting the compressor speed according to demand.

Inverter technology maintains the indoor environment at precisely the selected temperature. Its high levels of performance and efficiency meet the most demanding requirements.



The new Hybrid Inverter features PAM (Pulse Amplitude Modulation) for the highest levels of power.



PWM (Pulse With Modulation) for energy efficiency.

## Treat yourself to Japanese quality

### DESIGN AND RELIABILITY

Innovation, efficiency, high reliability, energy savings, respect for the environment... These are the powerful values at the heart of TOSHIBA's DNA. For over 50 years TOSHIBA has been providing its clients with the guaranteed precision and expertise of flawless Japanese quality.

The SHORAI R32 system has been designed and developed by in-house top class engineers. This coupled with TOSHIBA's modern manufacturing facilities results in unrivaled quality and system performance.





SHORAI R32

+ MIRAI

## Beautiful complementarity ...

Technological, stylish, highly effective and environmentally-friendly, SHORAI and MIRAI blend into any interior. Treat your self to Japanese design!

### SHORAI R32

A perfect fusion of esthetics and technology providing increased comfort for large rooms thanks to Smart Airflow management and low noise levels. The modern, smooth and rounded shapes of SHORAI are in harmony with any home decor.



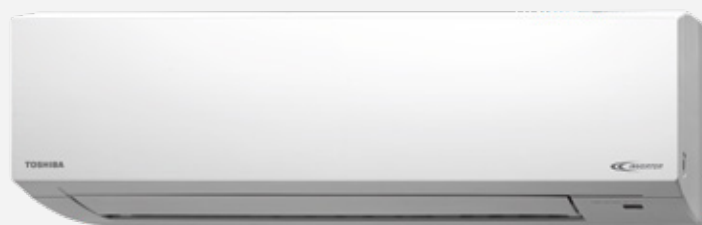
# SUZUMI+

# R410A

>>> with TOSHIBA

## MIRAI

With its flowing lines, its simple curves and its backlit illumination finishings, MIRAI is truly a hightech decorative ornament perfect for smaller rooms. MIRAI also guarantees a silent and relaxing experience, ideally suited to the bedroom environment.



SUZUMI+ R410A remains available in the N3KV2-E range. Its smooth and elegant design successfully combines optimised energy efficiency and indoor air quality. The range is fitted with a rotary compressor, A++/A+ energy class and benefits from the inverter technology.

- Self-cleaning function removes moisture and ensures long lasting performances.
- The one – touch function offers a perfect combination of features at the touch of a button.
- The ECO function achieves energy savings of up to 25% compared with standard settings, without sacrificing comfort.

**Created by TOSHIBA - INVERTER TECHNOLOGY**

**SEER**  
UP TO  
7.00

**SCOP**  
UP TO  
4.30



**26 dB(A)** at 1.5 m

**5 sizes covering**  
**2.5/3.2 to 6.0/7.0 kW**  
**(cooling /heating)**



**Self-cleaning**

## SHORAI R32

### Performance data

Outdoor Unit		RAS-10PAVSG-E	RAS-13PAVSG-E	RAS-16PAVSG-E	RAS-18PAVSG-E	RAS-22PAVSG-E	RAS-24PAVSG-E
Indoor Unit		RAS-10PKVSG-E	RAS-13PKVSG-E	RAS-16PKVSG-E	RAS-18PKVSG-E	RAS-22PKVSG-E	RAS-24PKVSG-E
Cooling capacity	kW	2.50	3.50	4.60	5.00	6.10	7.00
Cooling range (min. - max.)	kW	(0.75 - 3.20)	(0.80 - 4.10)	(1.20 - 5.30)	(1.10 - 6.00)	(1.20 - 6.70)	(1.50 - 7.70)
Pdesignc	kW	2.50	3.50	4.60	5.00	6.00	7.00
EER	W/W	4.17	3.33	3.29	3.52	3.07	3.11
SEER		6.90	6.50	6.50	7.30	6.80	6.20
Energy efficiency class		A++	A++	A++	A++	A++	A++
Seasonal electricity	kWh/a	127	189	248	240	314	260
Heating capacity	kW	3.20	4.20	5.50	6.00	7.00	8.00
Heating range (min. - max.)	kW	(0.90 - 4.80)	(0.90 - 5.30)	(0.90 - 6.50)	(0.80 - 6.50)	(1.00 - 7.50)	(1.60 - 8.80)
Pdesignh	kW	2.50	3.20	4.00	4.30	4.70	630
COP	W/W	4.27	3.89	3.62	3.75	3.61	3.32
SCOP		4.60	4.60	4.20	4.40	4.40	4.00
Energy efficiency class		A++	A++	A++	A+	A+	A+
Seasonal electricity	kWh/a	761	974	1335	1368	1495	2166
Seasonal electricity consumption	kWh/a H	560	700	839	980	1334	

## SHORAI R32

### Physical data indoor

Indoor Unit		RAS-10PKVSG-E	RAS-13PKVSG-E	RAS-16PKVSG-E	RAS-18PKVSG-E	RAS-22PKVSG-E	RAS-24PKVSG-E
Air flow (high speed)	m³/h- l/s	564 - 156	625 - 173	750 - 208	950 - 264	984 - 273	1074 - 298
Air flow (low speed)	m³/h- l/s	240 - 67	300 - 83	330 - 92	535 - 149	622 - 173	664 - 184
Sound pressure level	dB(A)	38/23	39/23	43/25	44/31	45/34	47/35
Sound power level	dB(A)	53	54	68	59	60	62
Air flow (high speed)	m³/h- l/s	600 - 167	636 - 176	768 - 213	950 - 264	984 - 273	1128 - 313
Air flow (low speed)	m³/h- l/s	252 - 70	320 - 89	384 - 97	499 - 139	606 - 168	738 - 205
Sound pressure level	dB(A)	39/24	39/24	43/26	44/31	46/34	48/35
Sound power level	dB(A)	54	54	58	59	61	63
Dimensions (HxWxD)	mm	293x798x230	293x798x230	293x798x230	320x1050x250	320x1050x250	320x1050x250
Weight	kg	9	10	10	14	14	14
Standard remote controller		WH-TA03NE	WH-TA03NE	WH-TA03NE	WH-TC01NE	WH-TC01NE	WH-TC01NE
Optional remote controller		RB-RXS30-E	RB-RXS30-E	RB-RXS30-E	RB-RXS30-E	RB-RXS30-E	RB-RXS30-E

## SHORAI R32

### Physical data outdoor

Outdoor Unit		RAS-10PAVSG-E	RAS-13PAVSG-E	RAS-16PAVSG-E	RAS-18PAVSG-E	RAS-22PAVSG-E	RAS-24PAVSG-E
Air flow (max)	m³/h- l/s	1668 - 463	1980 - 550	2040 - 566	2076 - 576	2184 - 607	2916 - 810
Max sound pressure level	dB(A)	46	48	49	49	53	53
Max sound pressure level (h)	dB(A)	61	63	64	64	68	68
Operating range	°C	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46
Air flow (max)	m³/h- l/s	1668 - 463	1980 - 550	2160 - 600	1914 - 532	2184 - 607	2916 - 810
Max sound pressure level	dB(A)	47	50	52	50	52	53
Max sound pressure level (h)	dB(A)	62	65	67	65	67	68
Operating range	°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
Dimensions (HxWxD)	mm	550x780x290	550x780x290	550x780x290	550x780x290	550x780x290	630x800x300
Weight	kg	28	28	34	34	34	43
TOSHIBA compressor type		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"	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
Maximum pipe length	m	20	20	20	20	20	25
Maximum height difference	m	12	12	12	12	12	15
Chargeless pipe length	m	15	15	15	15	15	15
Power supply length	V-ph-Hz	230-1- 50	230-1- 50	230-1- 50	230-1- 50	230-1- 50	230-1- 50

R32

>>> with TOSHIBA



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