

**TOSHIBA**

**HEAT PUMPS**

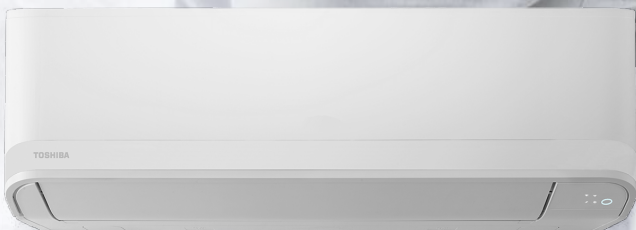
Think Toshiba. Think reliability.



*Better Air Solutions*

***SEIYA***

Experience  
the sound  
of silence



# > SEIYA SILENCE IS GOLDEN

SEIYA is a cost-effective quiet solution that uses the new Toshiba Inverter and compressor technology with R32 to offer a powerful and efficient heating and cooling performance and year-round comfort.



## Everyday Comfort

SEIYA has been designed with maximum comfort in mind. It offers exclusive features and high performance making everyday comfort a reality for all.

## Give yourself a superior treatment

SEIYA's performance/price ratio makes it an exceptional product in the market. The entire range boasts AEER cooling and ACOP heating performance, which means optimal comfort with low energy consumption.

## The sound of silence

Toshiba is constantly innovating towards air conditioning excellence in line with users expectations. To reduce noise and improve comfort, SEIYA's Noise function reduces the sound level of the outdoor unit significantly, while its Quiet function reduces noise from the indoor unit to give you a good night's sleep.



# > TREAT YOURSELF TO JAPANESE QUALITY

## Design and reliability

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



## Toshiba's innovative inverter technology

Toshiba's innovative rotary compressor technology combines exemplary performance with outstanding reliability. Minimising fluctuations to ensure a constant temperature, it increases efficiency while significantly reducing the risk of incidental noise. Toshiba's Inverter Technology allows the SEIYA to regulate heating and cooling capacity at all times, by adjusting the compressor speed.





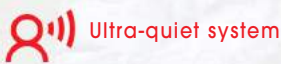
> Silence ANYWHERE



**Unique noise reduction function**  
The SEIYA unique Silent operation mode allows the user to reduce the outdoor noise level to minimise disruption to the neighbourhood. From a touch of the remote control, this mode will reduce the sound pressure level of the outdoor unit, prioritizing minimum outdoor sound level vs fast cooling and heating capacity demand.



> Quiet mode  
FOR A QUIET LIFE



Quiet mode can be activated by pressing the fan button to reduce the fan speed and the sound level of the indoor unit.

# MAKE YOUR HEAT PUMP SMART

## Enhance your comfort at home or away

Customise your comfort, finding the perfect cooling or heating level for your family at any time, no matter where you are. When at home, simply replace your infrared remote control with the intuitive smart app. This also gives you easy access to your heat pump on the move, allowing you to adapt your comfort to your lifestyle!

Want to go home and immediately enjoy an ideal temperature?

Simply use the app to check the status, quickly and easily, adjust your comfort, no matter where you are!



Take complete control of your comfort with the Toshiba Home AC Control App. Simple to use on your smartphone or tablet, both at home and on the move.

8°C Frost protection mode

Fireplace mode

Hi POWER Boost mode

Silent CDU to reduce the outdoor unit noise level

Wi-Fi Ready

# BETTER AIR SOLUTIONS FOR BETTER WORLD

Created by TOSHIBA - INVERTER TECHNOLOGY

AEER up to **4.04** | ACOP up to **4.31**

10 sizes covering  
2.0 to 10 kW (Cooling)  
2.5 to 11.5 kW (Heating)

Self-cleaning



At Toshiba, we've always made sure our projects and objectives are designed with a better future in mind. Now, more than ever, attitudes are changing as technology continues to revolutionise our world. We don't simply follow or adapt to them; we predict them.

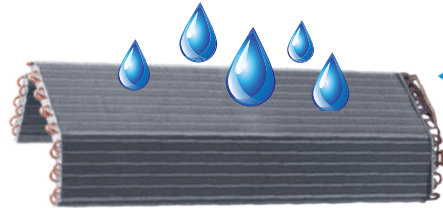
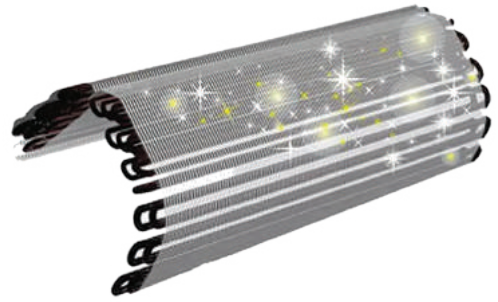
That's why the new generation of Toshiba heat pumps uses R32 refrigerant with low global warming potential.



# MAGIC COIL<sup>®</sup> AQUA RESIN COATED

## Healthy fresh air for longer

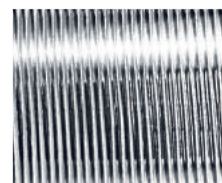
SEIYA is equipped with an aqua resin coated coil, which helps to prevent water and dust from sticking to the coil. When the air conditioning is switched off to drain the contaminated coil, the fan continues to operate to keep the coil clean and dry and to help to maintain the heat pump's high energy efficiency.



Coil WITHOUT  
Aqua Resin Coating



Coil WITH  
Aqua Resin Coating



# WIRELESS SOLUTION FOR WELL-BEING ON DEMAND

Designed to maximize your comfort, Toshiba offers remote functions that make everyday life simpler.

**3D Airflow**  
Improved comforts by distributing powerful and stable air vol. in 6 unique airflow patterns\*  
\*only for 22-36 models

**ON / OFF**

**8°C Heating**  
Indoor temperature kept at 8°C, but temperature can set between 5 and 13°C.

**Weekly Timer**  
Toshiba remote control provides a very convenient automatic on and off operation, programmable up to 4 different settings/day and 7 different programs in a week.

**Temperature Control**

**5-Selectable Fan Speed plus Auto**

**Fire Place**  
Ensures the unit operates in fan mode to help move the heat generated by the fire place.

**Silent Operation**  
Toshiba's unique noise reduction function of outdoor unit for your neighbourhood comfort.

**Power Selector**  
Select between 50/75/100% for maximum power savings.

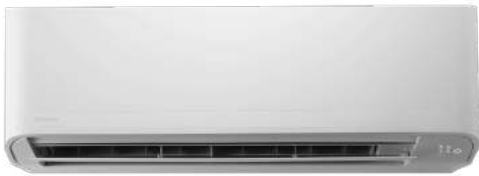
**ECO**  
Achieve energy-savings of up to 25% compared with standard settings with no compromise on comfort.\*

**Wire Connectable Controller**  
The infrared controller can also be hard-wired.

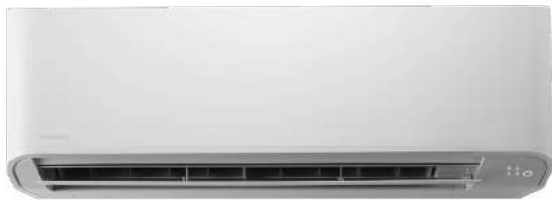
## ELEGANT COMPACT DESIGN IN 3 DIFFERENT SIZES



Model 7-18k. 293x798x230mm



Model 22-30k. 320x1050x250mm



Model 34-36k. 248x1200x280mm

Sleek and smart design in three different sizes, isn't it a perfect solution for you? Doesn't matter if it's your bedroom, office or a big lounge, the new Seiya will be a great addition to any of your spaces. Choose a size for your needs to get the best from your heat-pump.

## EFFICIENT 3D AIRFLOW 6 AIRFLOW PATTERNS\*

\*For 22-36k models only

Improved comfort by distributing powerful and stable air volume in 6 unique airflow patterns. The indoor unit provides further airflow and stable air volume in 6 unique patterns to ensure optimum comfort levels. Independent louvers improve comfort with a selection of powerful airflow settings to evenly distribute the airflow, maintaining a consistent and comfortable temperature.





## SEIYA-R32 Performance data

System Code		E2KVG07	E2KVG10	E2KVG13	E2KVG16	E2KVG18
Indoor Unit		RAS-07E2KVG-A	RAS-10E2KVG-A	RAS-13E2KVG-A	RAS-16E2KVG-A	RAS-18E2KVG-A
Outdoor unit		RAS-07E2AVG-A	RAS-10E2AVG-A	RAS-13E2AVG-A	RAS-16E2AVG-A	RAS-18E2AVG-A
Refrigerant Type		R32				
Power Supply (Volts-Phase-Hz)		220-240V, 1 Ph, 50Hz				
Cooling capacity	kW	2.00	2.50	3.50	4.20	5.00
Cooling range (min. - max.)	kW	0.80 - 2.70	1.05 - 3.60	1.10 - 4.20	1.30 - 5.00	1.50 - 5.70
Power consumption	kW	0.53 (0.22 - 0.82)	0.60 (0.23 - 1.15)	0.90 (0.26 - 1.18)	1.30 (0.32 - 1.90)	1.50 (0.35 - 1.95)
Efficiency	EER	3.77	4.17	3.94	3.23	3.33
SEER		4.00	5.00	4.50	4.50	4.50
Indoor Noise	dB	42/37/32/28/26	42/38/33/29/26	45/41/37/33/30	47/44/40/36/32	48/44/41/36/34
Outdoor Noise	dB	48	49	50	52	54
Heating capacity	kW	2.50	3.20	4.00	5.40	5.60
Heating range (min. - max.)	kW	0.90 - 3.30	1.00 - 4.80	1.15 - 5.60	1.30 - 6.00	1.40 - 6.10
Power consumption	kW	0.64 (0.20 - 1.15)	0.75 (0.20 - 1.40)	0.90 (0.23 - 1.50)	1.43 (0.25 - 1.80)	1.60 (0.25 - 1.90)
Capacity at Ambient 2°C	kW	1.85	3.20	3.70	4.20	4.20
COP		3.91	4.27	4.44	3.78	3.50
SCOP		3.00	3.50	3.00	3.00	3.00
Indoor noise	dB	42/38/34/29/26	42/39/33/30/26	45/41/38/33/31	48/45/41/37/33	48/45/41/37/34
Outdoor Noise	dB	50	51	52	54	55
<b>Indoor Unit</b>						
Dimensions (HxWxD)	mm	293 x 798 x 230				
Net Weight	kg	9		10		
<b>Outdoor Unit</b>						
Dimensions (HxWxD)	mm	530 x 660 x 240	550 x 780 x 290			
Net Weight	kg	22	26	30	34	
<b>Pipe Size</b>						
Chargeless	m	15				
Maximum Length	m	15	20			
Minimum Height	m	12				
Gas Side	mm/ inch	9.52 / 3/8			12.7 / 1/2	
Liquid Side	mm/ inch	6.35 / 1/4				
Filter		IAQ filter (Short) x 1				
Cooling Usable Temp Range		Inside: 21 ~ 32 °C / Outside: -10 ~ 46 °C				
Heating Usable Temp Range		Inside: 0 ~ 28 °C / Outside: -15 ~ 24 °C				





## SEIYA-R32 Performance data

System Code		E2KVG22	E2KVG24	E2KVG30	E2KVG34	E2KVG36
Indoor Unit		RAS-22E2KVG-A	RAS-24E2KVG-A	RAS-30E2KVG-A	RAS-34E2KVG-A	RAS-36E2KVG-A
Outdoor unit		RAS-22E2AVG-A	RAS-24E2AVG-A	RAS-30E2AVG-A	RAS-34E2AVG-A	RAS-36E2AVG-A
Refrigerant Type		R32				
Power Supply (Volts-Phase-Hz)		220-240V, 1 Ph, 50Hz				
Cooling capacity	kW	6.00	7.10	8.00	9.00	10.00
Cooling range (min. - max.)	kW	1.50 - 6.60	1.90 - 7.80	2.50 - 9.00	2.80 - 10.50	3.00 - 11.50
Power consumption	kW	1.90 (0.36 - 2.00)	2.25 (0.40 - 2.60)	2.40 (0.55 - 3.00)	2.70 (0.58 - 3.50)	3.20 (0.70 - 4.10)
Efficiency	EER	3.16		3.33		3.13
SEER		4.50				
Indoor Noise	dB	47/44/41/38/35	49/47/44/41/36	50/47/43/39/35	51/48/44/40/36	52/49/45/42/38
Outdoor Noise	dB	54	56	55	56	57
Heating capacity	kW	6.90	8.00	9.00	10.00	11.50
Heating range (min. - max.)	kW	1.60 - 7.80	1.70 - 8.80	2.50 - 10.00	2.60 - 11.50	3.00 - 13.00
Power consumption	kW	1.90 (0.26 - 2.10)	2.40 (0.32 - 2.60)	2.55 (0.48 - 3.20)	2.80 (0.45 - 3.50)	3.40 (0.55 - 4.00)
Capacity at Ambient 2°C	kW	5.10	5.50	7.90	8.70	9.40
COP		3.63	3.33	3.53	3.57	3.38
SCOP		3.00		3.50		3.00
Indoor noise	dB	46/44/41/38/35	50/46/43/38/35	50/47/43/39/35	51/48/45/42/38	52/49/46/43/39
Outdoor Noise	dB	55		57	58	59
<b>Indoor Unit</b>						
Dimensions (HxWxD)	mm	320 x 1050 x 250			350 x 1200 x 280	
Net Weight	kg	14		16	19	
<b>Outdoor Unit</b>						
Dimensions (HxWxD)	mm	550 x 780 x 290	630 x 800 x 300	890 x 900 x 320		
Net Weight	kg	34	41	66	68	
<b>Pipe Size</b>						
Chargeless	m	15				
Maximum Length	m	20	25	40		
Minimum Height	m	12			20	
Gas Side	mm/ inch	12.7 / 1/2			15.90 / 5/8	
Liquid Side	mm/ inch	6.35 / 1/4			9.52 / 3/8	
Filter		IAQ filter (Long) x 1				
Cooling Usable Temp Range		Inside: 21 ~ 32 °C / Outside: -10 ~ 46 °C				
Heating Usable Temp Range		Inside: 0 ~ 28 °C / Outside: -15 ~ 24 °C				



Notice: Toshiba is committed to continuously improving its product to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

All features and specifications are subject to change without prior notice.

Note: All images provided in this catalogue are used for illustration purposes only.

Date: June 2021

Equipment rated in accordance with MEPS GEMS2019.

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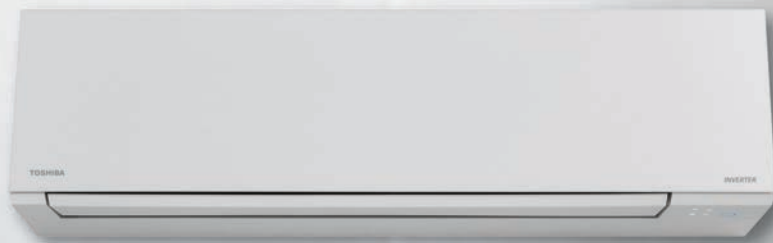
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# SHORAI

EDGE



Ultra-Pure Filter



Air Ionizer

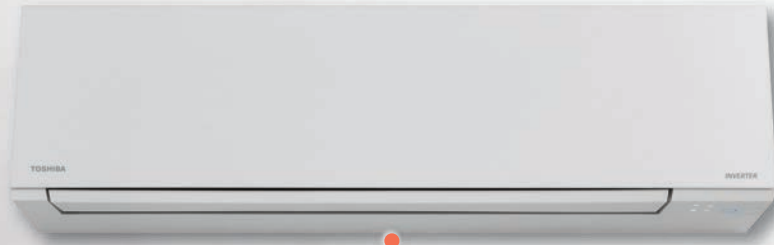


HADA Care

The Smart Choice



# Treat yourself to Japanese quality



# SHORAI

## EDGE

Beautify your interior with a new stylish, contemporary design. With its straight line, matt finish and invisible piping pre-cuts, the new SHORAI Edge fits perfectly with any interior.

### Design and Reliability

Innovation, efficiency, high reliability, energy savings – These are powerful values at the heart of everything we do at Toshiba. For over 50 years, Toshiba has been providing its customers with the precision and expertise of Japanese Quality.

### Innovative Inverter Technology

Toshiba's innovative rotary compressor technology combines exemplary performance with outstanding reliability. Minimising fluctuations to ensure a constant temperature, it increases efficiency while significantly reducing the risk of incidental noise. Toshiba's Inverter allows SHORAI Edge to regulate heating and cooling capacity at all times, by adjusting the compressor speed.



# Innovation well being

## Ultra Pure Filter PM2.5 purification 94% efficiency

- PM2.5 refers to particulate matters coming from atmospheric pollution that have a diameter of less than 2.5 micrometers.
- Studies have found a close link between exposure to fine particles and lung disease or worsen chronic disease.
- Toshiba Ultra Pure filter captures up to 94% of PM2.5, creating healthy living spaces at home (1).

(1) Nantong deli purification equipment factory Co, Ltd.

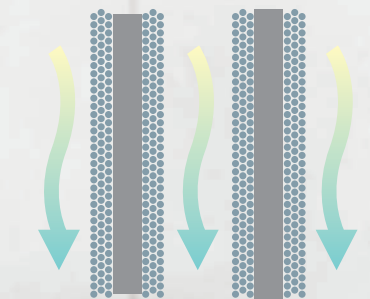


## Feeling of Freshness Built in Air-Ionizer

In forests, waterfalls, lakes and streams, negative ions make the air fabulously fresh, clean and relaxing. The exceptional atmosphere is emulated in spas and health clubs. Now you can enjoy this magical ambience in your own home through the Air-Ionizer

## Self-Cleaning

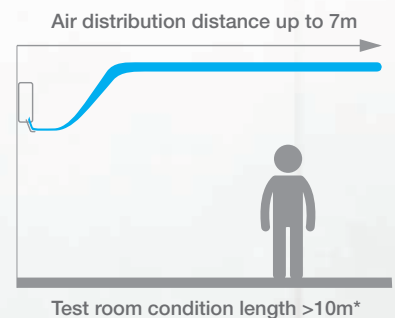
Reduces Moisture.  
Reduces mould formation.  
Fan will turn off after 30 mins of unit shutdown.



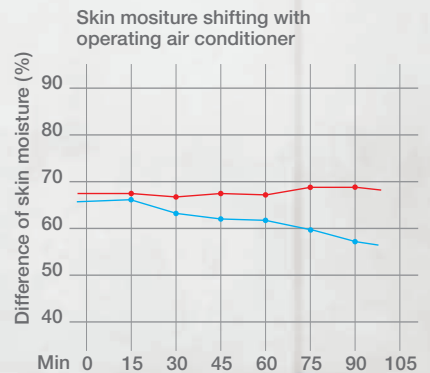
The fan operation after shut down helps dry water droplets to keep the coils dry and clean

## HADA Care Flow (cooling mode)

Set louver position to generate indirect air flow to user, with better air distribution to homogenize room temperature.



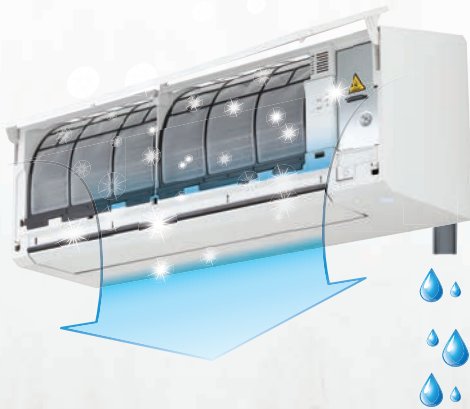
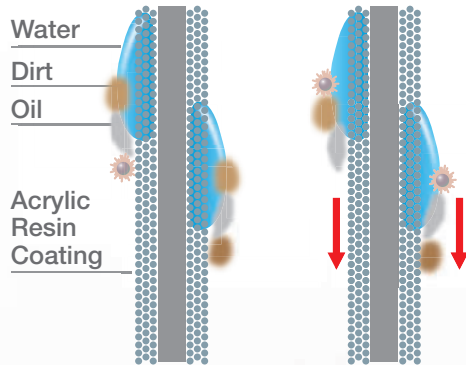
Toshiba HADA Care mode makes stressfree condition for beauty skin.



HADA Care AC operation  
Normal AC operation

# Magic and easy

## WASH



Reduces water and oil formation and prevents dust sticking to the coil units

### Magic Coil acrylic resin coated

Reduces water, oil formation and prevents dust from sticking to the coil of the unit.

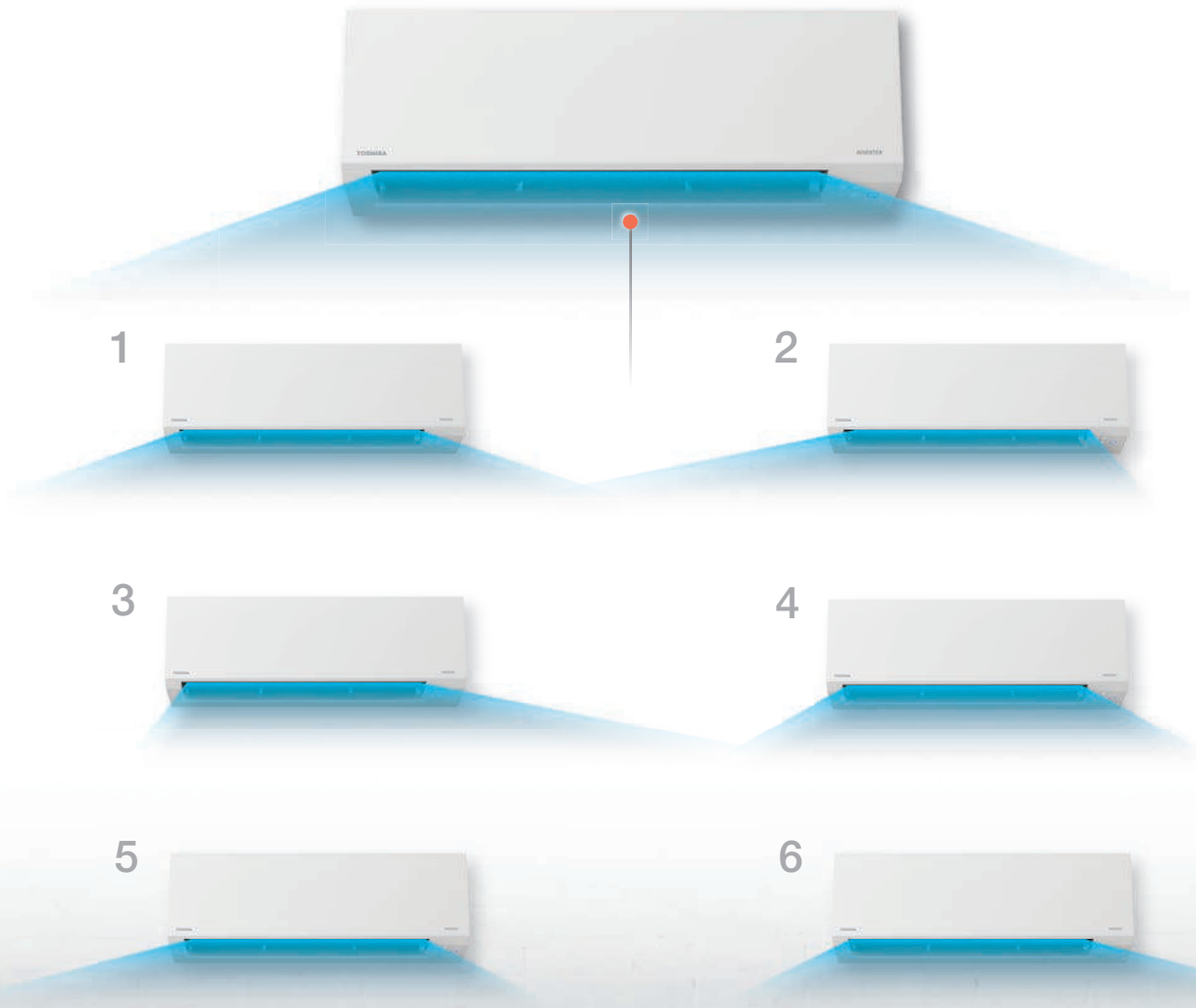


### Easy Maintenance

All components are designed for easy maintenance by service personnel.

- Easy to remove drain pan (3 screws)
- Easy to remove L/R louvers (2 screws)
- Easy to remove FCU Fan

# Improved comfort

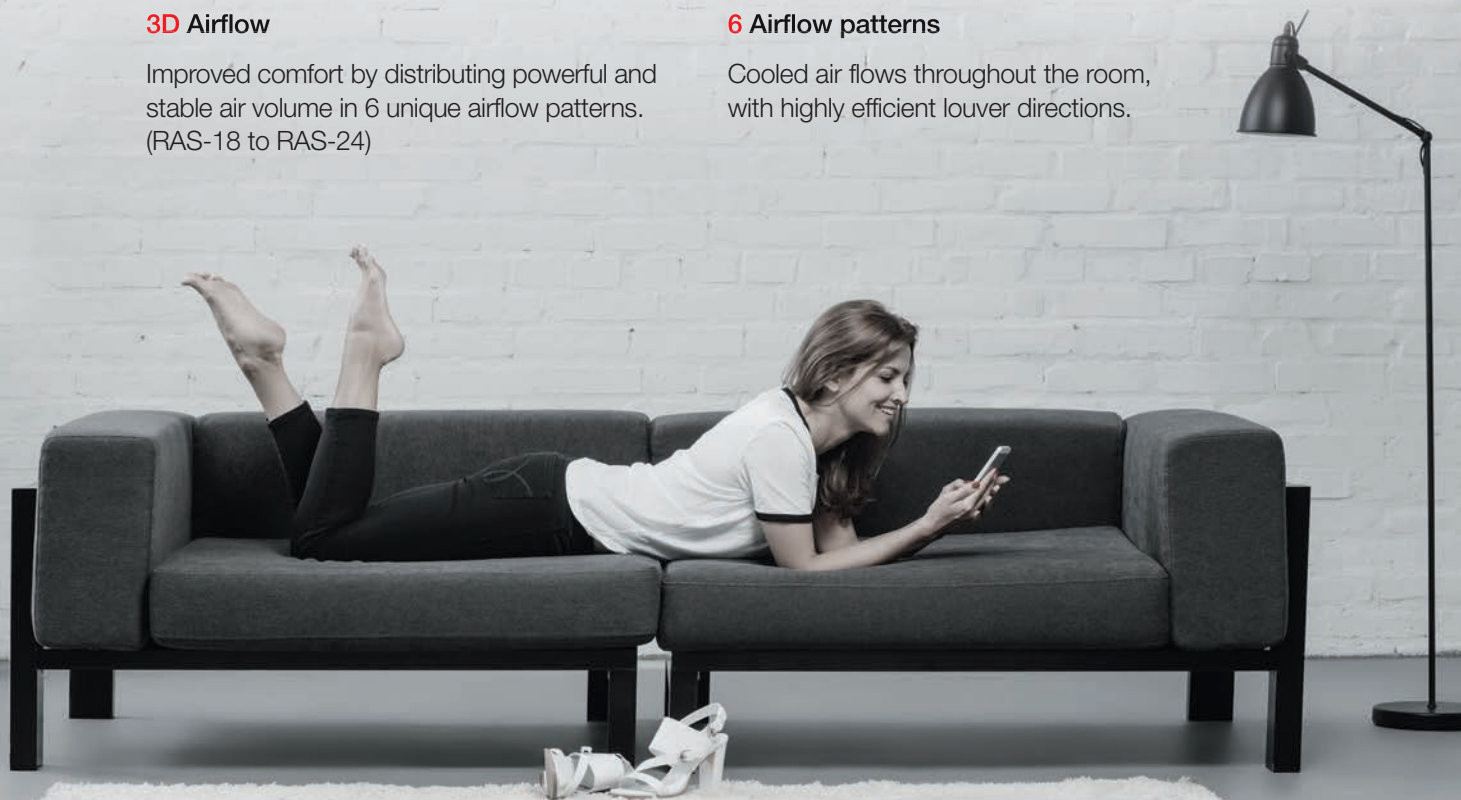


## 3D Airflow

Improved comfort by distributing powerful and stable air volume in 6 unique airflow patterns. (RAS-18 to RAS-24)

## 6 Airflow patterns

Cooled air flows throughout the room, with highly efficient louver directions.



# IR Remote and Smart APP

## HADA Care

Set lower position to generate indirect air flow to user, with better air distribution to homogenize room temperature.

## 3D Airflow

The unit boasts a 3D smart airflow system, with independent louvers and 6 patterns for greater comfort (only sizes 18, 22 & 24).

## Silent Operation (outdoor unit)

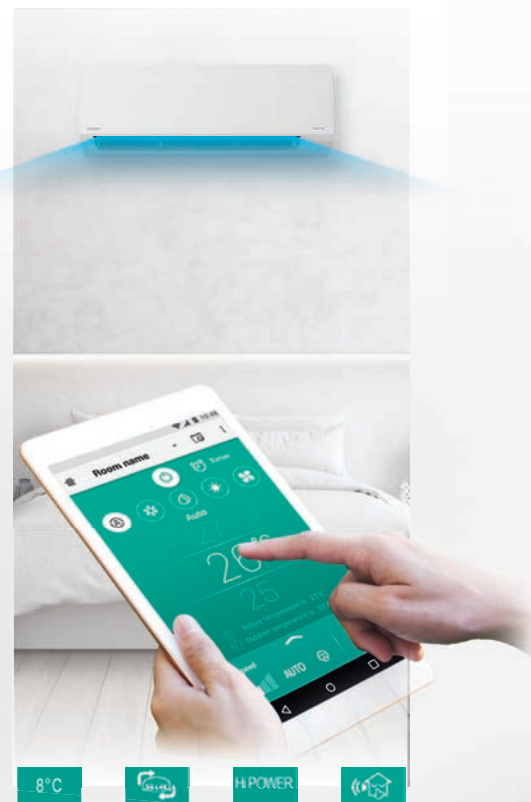
The unique noise reduction function of the outdoor unit minimizes disruption to the neighbourhood.

## Quiet mode (indoor unit)

Press FAN button to adjust speed and reach Quiet Mode to operate at low noise level.

## Weekly timer

Weekly timer allows to set «on and off» times or program settings every 24 hours. Up to 4 different settings/days and 7 different programs in a week.



## Smart App

Customise your comfort, finding the perfect cooling or heating level for your family at any time, no matter where you are. When at home, simply replace your infrared remote control with the intuitive smart app. This also gives you easy access to your air conditioner while you are on the move, allowing you to adapt your comfort to lifestyle!

\* Optional Extra



Indoor			RAS-07E2KVSG-A	RAS-10E2KVSG-A	RAS-13E2KVSG-A	RAS-16E2KVSG-A	RAS-18E2KVSG-A	RAS-22E2KVSG-A	RAS-24E2KVSG-A
Outdoor			RAS-07E2AVSG-A	RAS-10E2AVSG-A	RAS-13E2AVSG-A	RAS-16E2AVSG-A	RAS-18E2AVSG-A	RAS-22E2AVSG-A	RAS-24E2AVSG-A
Cooling Capacity - Rated	CO	KW	2.00	2.50	3.50	4.20	5.00	6.00	7.10
Cooling Capacity - Range	CO	KW	0.80 - 2.80	0.80 - 3.60	0.80 - 4.20	0.80 - 5.00	1.10 - 6.50	1.50 - 7.50	1.50 - 8.20
Power input [rated (min - max)]	CO	KW	0.53 (0.19 - 0.84)	0.60 (0.19 - 1.07)	0.85 (0.22 - 1.13)	1.13 (0.25 - 1.56)	1.30 (0.24 - 2.10)	1.57 (0.28 - 2.10)	2.0 (0.30 - 2.60)
Operating current [rated (min - max)]	CO	A	2.75 (1.02 - 4.19)	3.05 (1.02 - 5.22)	4.75 (1.35 - 5.50)	5.85 (1.47 - 7.30)	6.60 (1.52 - 10.40)	7.75 (1.68 - 9.75)	9.65 (1.80 - 12.70)
AEER	CO		3.81	4.21	3.98	3.77	3.83	3.77	3.41
Heating Capacity - Rated	RC	KW	2.50	3.20	3.70	5.40	5.80	6.90	8.00
Heating Capacity - Range	RC	KW	0.70 - 4.00	0.90 - 4.80	0.90 - 5.60	1.30 - 6.20	1.00 - 7.70	1.00 - 8.50	1.70 - 9.20
Power input [rated (min - max)]	RC	KW	0.55 (0.17 - 1.28)	0.73 (0.18 - 1.58)	0.82 (0.19 - 1.54)	1.43 (0.24 - 1.92)	1.40 (0.19 - 2.25)	1.69 (0.22 - 2.34)	2.07 (0.30 - 2.40)
Operating current [rated (min - max)]	RC	A	2.80 (0.91 - 6.20)	3.65 (0.96 - 7.30)	4.65 (1.14 - 7.30)	6.90 (1.44 - 9.25)	7.00 (1.15 - 10.40)	8.25 (1.37 - 11.25)	9.97 (1.80 - 11.75)
ACOP	RC		4.31	4.47	4.38	3.71	4.05	3.91	3.71
<b>Indoor Unit</b>									
Airflow Volume (High/Mid/Low)	CO	m³/hr	830/600/390	770/450/300	820/560/360	850/560/360	1120/900/730	1220/950/740	1370/1120/740
Mositure removal		l/hr	0.80	1.30	1.80	2.80	3.20	3.50	4.00
Dimension (WxLxH)		mm	293 x 800 x 226	293 x 800 x 226	293 x 800 x 226	293 x 800 x 226	320 x 1053 x 245	320 x 1053 x 245	320 x 1053 x 245
Net Weight		kg	9	10	10	10	14	14	14
Indoor Noise (H/M+/M/L+/L/Quite) (Cooling)		(dB)	42/37/33/29/26/25	42/39/33/29/26/25	45/41/37/33/30/29	47/44/40/36/32/31	45/43/40/37/34/32	46/44/41/38/35/33	49/47/44/41/36/34
Indoor Noise (H/M+/M/L+/L/Quite) (Heating)		(dB)	42/38/34/30/26/25	42/39/33/29/26/25	45/41/38/33/31/30	48/45/41/37/33/32	46/43/41/37/34/32	46/44/41/38/35/33	50/46/43/38/35/34
<b>Outdoor Unit</b>									
Dimension (WxLxH)		mm	240 x 660 x 530	290 x 780 x 550	290 x 780 x 550	290 x 780 x 550	290 x 780 x 550	300 x 800 x 630	300 x 800 x 630
Net Weight		kg	22	28	34	34	34	41	41
Cooling Operating range (Outside)	CO	°C	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 46
Heating Operating range	RC	°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
Outdoor Noise (Rated/Quite) (Cooling)		(dB)	47/45	48/46	49/47	50/48	53/51	55/53	55/53
Outdoor Noise (Rated/Quite) (Heating)		(dB)	50/48	50/48	51/49	52/50	53/51	54/52	55/53
<b>Pipe Size</b>									
Liquid Side		(mm)	6.35	6.35	6.35	6.35	6.35	6.35	6.35
Gas Side		(mm)	9.52	9.52	9.52	12.70	12.70	12.70	12.70
Maximum Piping Length		(m)	15	20	20	20	20	25	25
Maximum Piping Height difference		(m)	12	12	12	12	12	15	15
Chargeless Length		(m)	15	15	15	15	15	15	15
Compressor type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Power Supply	V/ph/Hz		220-240V/1Ph/50Hz	220-240V/1Ph/50Hz	220-240V/1Ph/50Hz	220-240V/1Ph/50Hz	220-240V/1Ph/50Hz	220-240V/1Ph/50Hz	220-240V/1Ph/50Hz



# SHORAI

## EDGE

Toshiba is committed in improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

Product specification in this Brochure are only indicative and are subject to change.

These are not intended to be used in place of the engineering or installation databook / manual.

All specification and features are subject to change without prior notice.

All images provided in this catalogue are used for illustration purpose only.

Cooling and heating capacities mentioned are at standard operating conditions.

Date: August 2021

Equipment rates in accordance with GEMS 2019 Determination



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