

# TOSHIBA

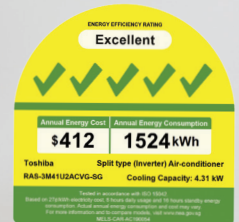
# YouMe 2.0



**The Efficient,  
Climate-Friendly  
and Smart Inverter  
Multi-Split System.**



Available in System 2 to 5





## Toshiba Air Conditioning Singapore



Toshiba was the world's first company to incorporate inverter technology into residential air conditioning systems, effectively reducing energy loss in air conditioners.

In 1999, Toshiba and Carrier formed a global joint venture called Toshiba Carrier Corporation. Through this alliance, Toshiba provides technological and manufacturing expertise for inverter-based products, while Carrier leverages its global reach to distribute them outside of Japan.

Toshiba Carrier continues to deliver innovative solutions that contribute towards a sustainable future for generations to come. Committed to people, committed to the future; we make and do things that lead to a better world.

# YouMe 2.0



**Energy  
Saving**



**Quick  
Cooling**



**Dark Mode**



**Enhanced Indoor  
Air Quality**



**Smart  
Control**



**Easy-Care**

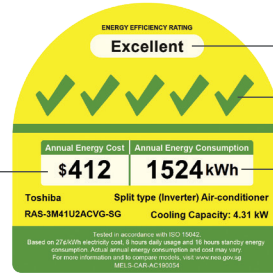
# What to look out for in an air-conditioner

## 1

### Energy efficiency

The NEA energy label is used to display the energy efficiency of household appliances.

#### How to read



1 Energy Efficiency Rating

2 Ticks Rating

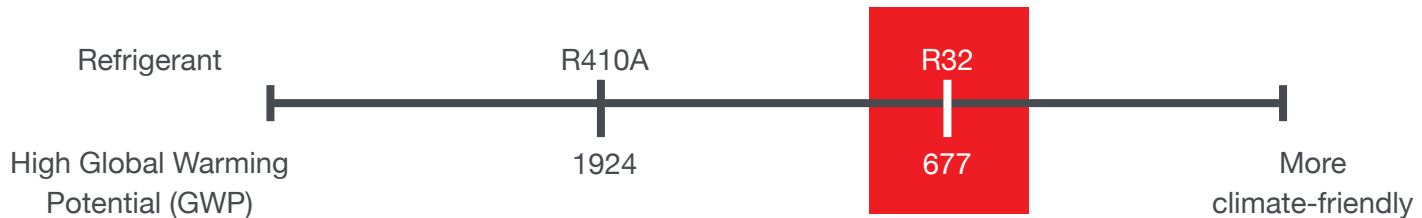
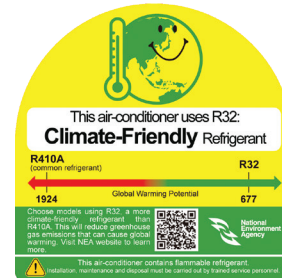
3 Annual Energy Cost based on 27 cents per kWh electricity cost

4 Annual Energy Consumption based on 8 hours daily usage

## 2

### Climate-friendliness

Refrigerants can contribute to global warming when released into the atmosphere, and this is measured by its Global Warming Potential (GWP). In 2020, NEA rolled out a new label that enables consumers to identify air conditioners that use climate-friendly refrigerants.



# 3

## Right capacity

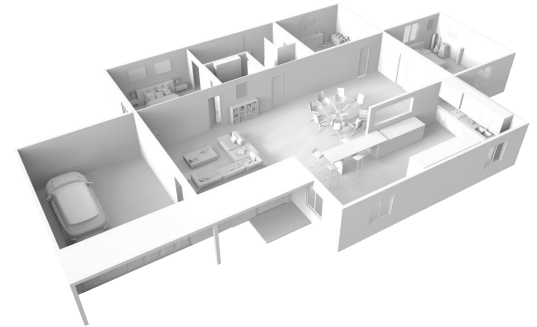
BTU (British Thermal Unit)/hr measures the cooling capacity of an air-conditioner. This is an approximate guide that is dependent on the actual heat load of the room to be cooled. For a more accurate recommendation, please check with our authorised dealers and installers.

Room Type	Area in Sq. Ft. (Sqm)	kBTU/hr Required
Small Room	100-150 (9-14)	9
Master Bedroom	150-250 (14-23)	12
Living Room/Halls	300-400 (28-37)	18 - 24 onwards

# 4

## Suitable system

No. of rooms to cool	System Required	No. of indoor units (blower)	No. of outdoor units (compressor)
2	System 2	2	1
3	System 3	3	1
4	System 4	4	1
5	System 5	5	1



# 5

## Easy care

Enjoy clean air between maintenance intervals with advanced technology like our YouMe's Magic Coil\* and Self-Cleaning feature\*. Regular maintenance intervals of 6 months is recommended to upkeep the condition and performance of your air conditioner. For queries on air conditioner servicing and maintenance, please contact your installer or any of our authorised dealers.

\*Read more on page 11.

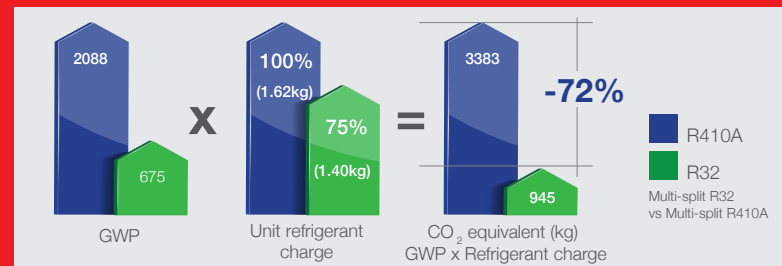


# The Climate-Friendly Choice



## Planet-Friendly Refrigerant

With up to 72% fewer CO<sub>2</sub> emissions than its R410A counterpart, the R32 is a more climate-friendly refrigerant with lower global warming potential (GWP) and zero ozone depletion (ODP). Toshiba YouMe is proud to be the first 5-Tick Inverter Multi-Split R32 air conditioner in Singapore.



# Energy Saving

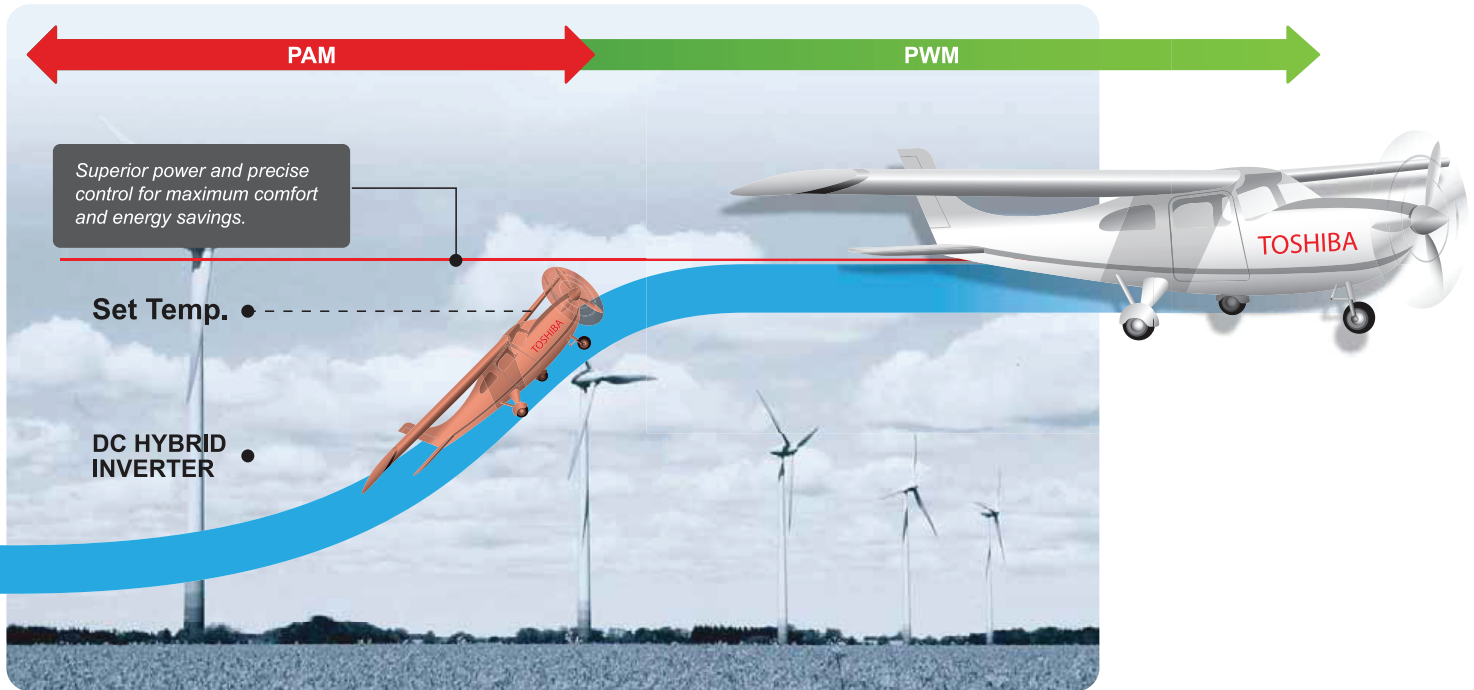
**ENERGY EFFICIENCY RATING**  
Excellent

Annual Energy Cost: **\$412** | Annual Energy Consumption: **1524 kWh**

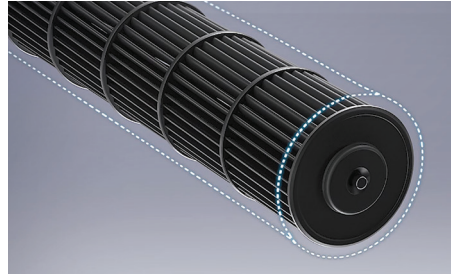
Toshiba Split type (Inverter) Air-conditioner  
RAS-3M41U2ACVG-SG Cooling Capacity: 4.31 kW

Tested in accordance with ISO 15025. Based on 27.6 kWh electricity cost, 8 hours daily usage and 16 hours standby energy consumption. Actual annual energy consumption and cost may vary. For more information and to compare models, visit www.toshiba-air-eg.com. MELB-CAT-AC190004

Cool your rooms with less time and energy thanks to Toshiba's inverter technology. Now with Toshiba's DC Hybrid Inverter System, the Pulse Amplitude Modulation (PAM) sets the compressor at maximum power in order to reduce the time to reach the set point temperature. Once the set point is reached, the Pulse Width Modulation (PWM) lowers the variable speed of the compressor to precisely maintain room temperature, thereby using less energy.

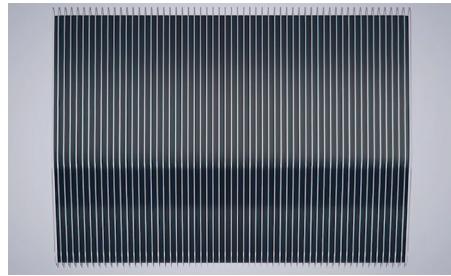
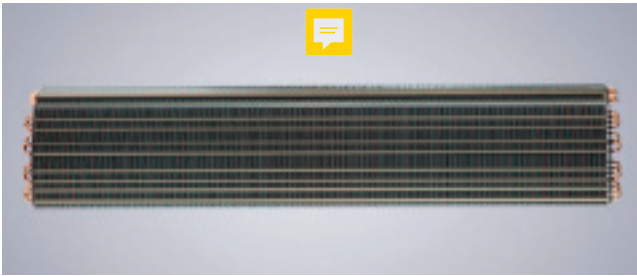


## Quick Cooling



**13%**  
bigger fans than  
standard air conditioners

Enjoy quicker and quieter cooling with YouMe's redesigned fan in its indoor unit. Now 13% bigger with special skewed blades, this increases airflow while reducing the sound level by up to 8% versus conventional blades.



**30%**  
larger heat exchanger  
surface area

Paired with a 30% larger heat exchanger thanks to an increased copper tube count in the coil, cold air can now enter your room more efficiently.

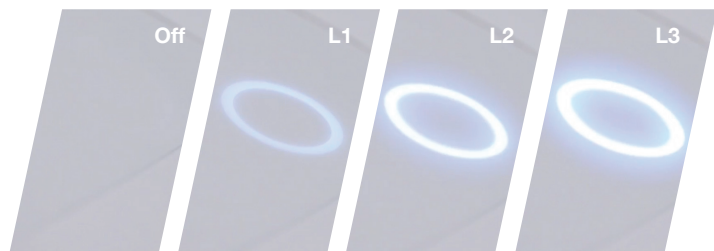
Warm rooms cool more quickly with the YouMe's precise and adjustable 11-way louvres that guide the cold air to just where you want it—up to 14 meters at high fan speed.

Once the set point is reached, lower fan speeds quietly maintain your desired temperature while reducing energy consumption.



## Dark Mode

For better sleep, adjust the brightness of your YouMe's halo light, or switch it off completely.



3 LED Light Levels



**1** Press and hold **FAN** for three seconds until **d0, d1, d2 or d3** is shown

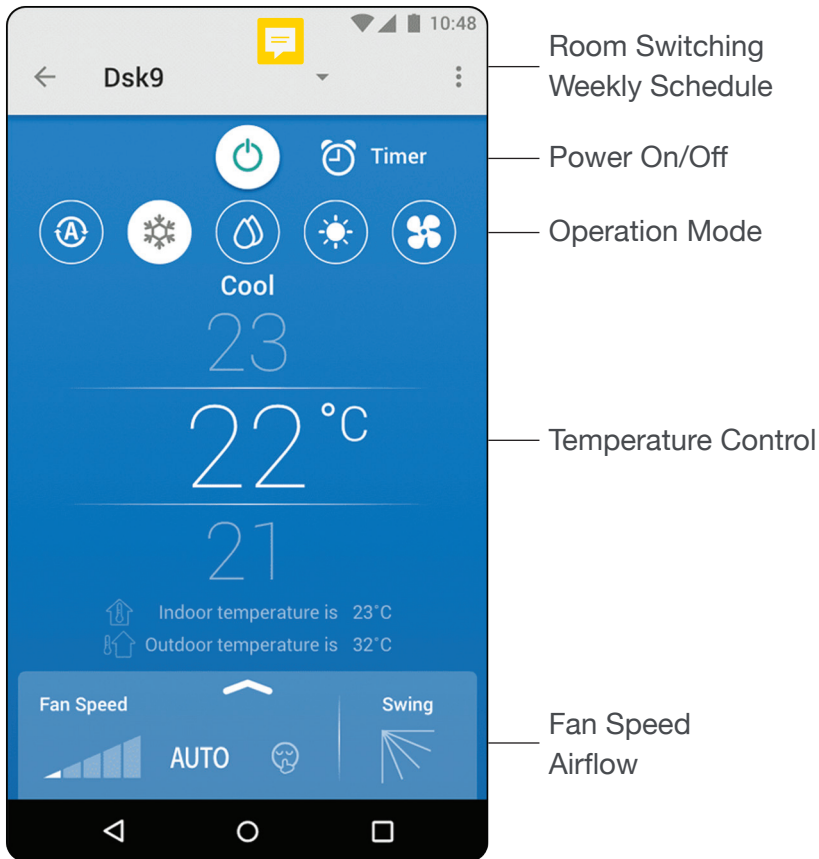
**2** Press **▲** or **▼** on **TEMP** to adjust brightness



## Smart Control\*

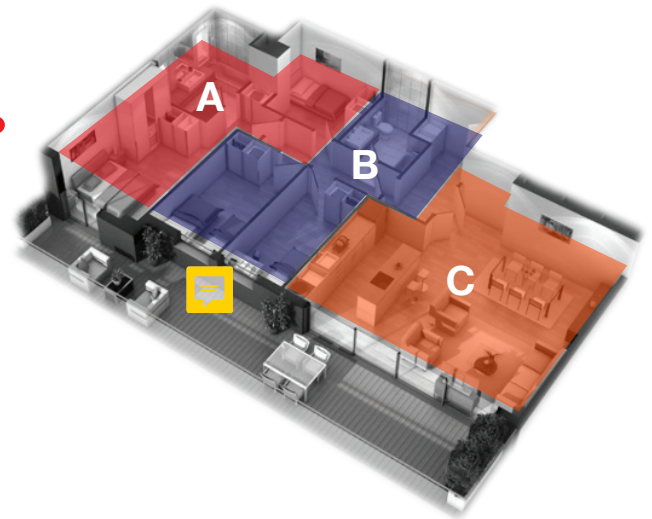
Take control from the comfort of wherever you are with the new Toshiba Home AC Control app.

### Toshiba Home AC Control Features



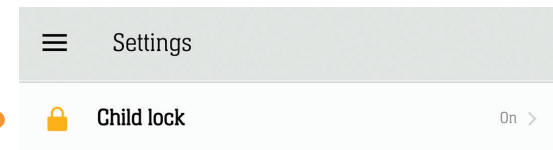
### Grouping Control Function

Group and control multiple units at a time.



### Child Lock

Manage the access for your peace of mind.





**Smart Home Assistant  
Compatible**

## Set Up the App in 3 Simple Steps

**1** Download the App  
from the App Store.



Download on the  
**App Store**

Available on the  
**Google Play**

Toshiba Home  
AC Control

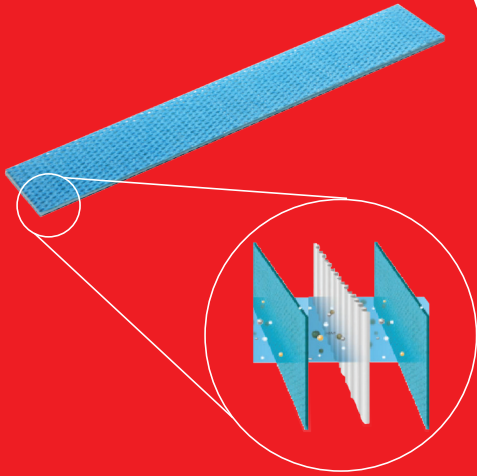
**2** Register and log in.

**3** Add the air conditioner wireless  
adapter under:  
**Home page > Add air conditioner**  
**OR**  
**Settings > Add AC (Adapter)**

For more information on set-up and  
usage, please refer to the user manual  
that can be found with your YouMe or  
in the app itself.

\*Requires add-on optional WiFi modules.

## Enhanced Indoor Air Quality



# PM2.5

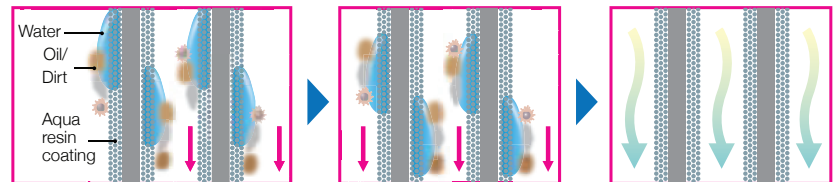
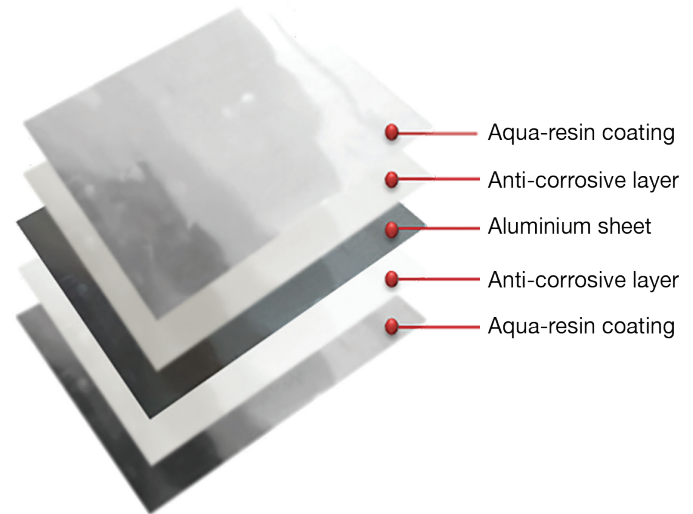
## Purification

Now indoor air quality (IAQ) is more important than ever. Toshiba Ultra Pure filter creates clean and healthy living spaces at home by capturing up to 94% of PM 2.5 (atmospheric particulate matters with diameters of less than 2.5 micrometers).

## Easy-Care

Between maintenance intervals, YouMe's feature makes things easy for you so that that you can enjoy healthy air all year round.

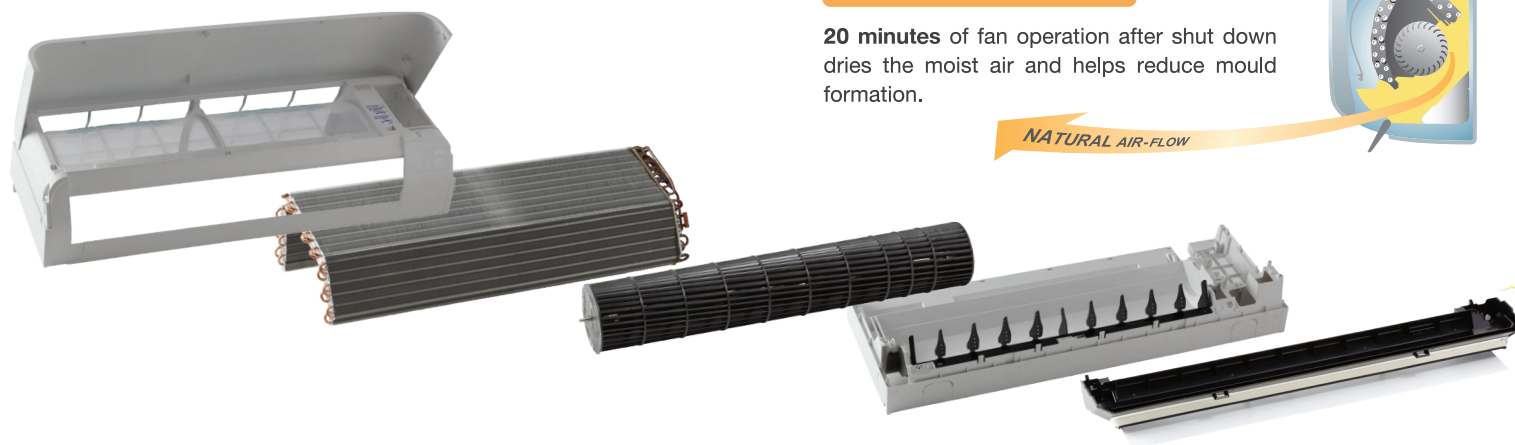
## Magic Coil



Not only does YouMe cool more efficiently, but it also keeps the air you breathe fresh and clean. That is why along with an active carbon filter, YouMe uses a special aqua-coated aluminum fin heat exchanger, Magic Coil, that helps keep dirt and debris from building up on your coils.

## Self-cleaning FCU

As residual moisture is often a breeding ground for mould, the feature allows the blower inside the unit to continue running at a low speed for up to 20 minutes after the FCU is switched off, effectively drying the coils and keeping your air fresh and clean.



## Easy Cleaning

YouMe makes regular light cleaning effortless for any home owner. With a new, smooth grille and easy to remove vertical louvre, your YouMe can be kept dust-free with just 3 simple steps.

- 1 Wipe the new, smooth grille with a damp sponge
- 2 Remove and rinse the pre-filter
- 3 Remove the vertical louvre to clean the cross-flow fan

5

10

15

20

### Normal Operation

Mould Reduction

Moisture stays trapped inside during operation.

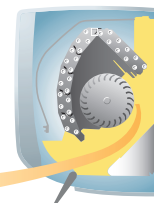
COOL AIR-FLOW



### Self-Cleaning Function

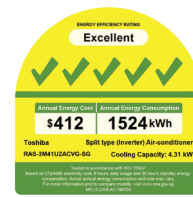
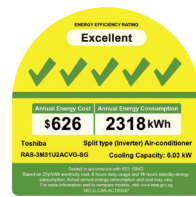
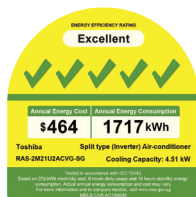
**20 minutes** of fan operation after shut down dries the moist air and helps reduce mould formation.

NATURAL AIR-FLOW



# Specifications

## Outdoor Unit



Outdoor Model Number	System 2 2-rooms RAS-2M21U2ACVG-SG	System 3 3-rooms RAS-3M31U2ACVG-SG	System 3 (High COP) 3-rooms RAS-3M41U2ACVG-SG
Cooling capacity (min. - max.) kW	2.25 - 5.50	2.50 - 7.50	2.15 - 7.50
Cooling capacity (rated) kW	4.5	6.0	4.3
Power input kW	0.925	1.235	0.754
Weighted COP / Energy Efficiency Class (Tick)	5.76 / 5	5.70 / 5	6.12 / 5
Sound pressure level dB(A)	51	53	52
Operating range °C	10 ~ 46	10 ~ 46	10 ~ 46
Dimensions (H x W x D) mm	630 x 800 x 300	630 x 800 x 300	630 x 800 x 300
Weight kg	45	47	48
Compressor type	DC Twin rotary	DC Twin rotary	DC Twin rotary
Flare connections - Gas mm	φ9.52 x 2	φ12.7 + φ9.52 x 2	φ12.7 + φ9.52 x 2
Flare connections - Liquid mm	φ6.35 x 2	φ6.35 x 3	φ6.35 x 3
Maximum pipe length (per unit/total) m	20/30	25/50	25/50
Maximum height difference m	10	10	10
Power supply V/ph/Hz	220-230/1/50	220-230/1/50	220-230/1/50

Rated conditions: Cooling; Indoor air temperature 27°C DB / 19°C WB, Outdoor air temperature 35°C DB.

# Specifications

## Outdoor Unit



Outdoor Model Number	System 4 (High COP) 4-rooms RAS-4M41U2ACVG-SG	System 5 5-rooms 5M51U2ACVG-SG
Cooling capacity (min. - max.) kW	3.00 - 8.90	3.70 - 11.50
Cooling capacity (rated) kW	6.6	8.3
Power input kW	1.230	1.695
Weighted COP / Energy Efficiency Class (Tick)	6.15 / 5	5.51 / 5
Sound pressure level dB(A)	54	53
Operating range °C	10 ~ 46	10 ~ 46
Dimensions (H x W x D) mm	710 x 900 x 320	890 x 900 x 320
Weight kg	61	74
Compressor type	DC Twin rotary	DC Twin rotary
Flare connections - Gas mm	φ12.7 x 2 + φ9.52 x 2	φ12.7 x 2 + φ9.52 x 3
Flare connections - Liquid mm	φ6.35 x 4	φ6.35 x 5
Maximum pipe length (per unit/total) m	20/60	25/80
Maximum height difference m	15	15
Power supply V/ph/Hz	220-230/1/50	220-230/1/50

Rated conditions: Cooling; Indoor air temperature 27°C DB / 19°C WB, Outdoor air temperature 35°C DB.



## Specifications

### Indoor Unit

Indoor Model Number	RAS-M10U2KCVG-SG1	RAS-M13U2KCVG-SG1	RAS-M18U2KCVG-SG1	RAS-M24U2KCVG-SG1	RAS-M26U2KCVG-SG1
Standard air flow (H) m <sup>3</sup> /h - l/h	790 - 220	790 - 220	790 - 220	985 - 275	1,075- 300
Sound pressure level (L/H) dB(A)	23/43	24/44	24/45	34/45	35/47
Dimensions (H x W x D) mm	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230	320 x 1,050 x 250	320 x 1,050 x 250
Weight kg	10	10	10	14	14
Flare connections - Gas mm	φ9.52	φ9.52	φ12.7	φ12.7	φ12.7
Flare connections - Liquid mm	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35

Rated conditions: Cooling; Indoor air temperature 27°C DB / 19°C WB, Outdoor air temperature 35°C DB.



**2 Rooms**

RAS-2M21U2ACVG-SG

230V

Combination			Unit capacity (kW)			Cooling capacity (kW)			Power input (W)			Operating current (A)			COP
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.	Rated
10	10	-	2.25	2.25	-	2.25	4.50	5.50	375	925	1350	2.10	4.30	6.10	4.86
13	10	-	2.60	1.90	-	2.25	4.50	5.50	375	915	1350	2.10	4.25	6.10	4.92
18	10	-	2.81	1.69	-	2.25	4.50	5.50	375	905	1350	2.10	4.20	6.10	4.97
13	13	-	2.25	2.25	-	2.25	4.50	5.50	375	905	1350	2.10	4.20	6.10	4.97
18	13	-	2.47	2.03	-	2.25	4.50	5.50	375	895	1350	2.10	4.15	6.10	5.03
18	18	-	2.25	2.25	-	2.25	4.50	5.50	375	885	1350	2.10	4.10	6.10	5.08

**3 Rooms**

RAS-3M31U2ACVG-SG

Combination			Unit capacity (kW)			Cooling capacity (kW)			Power input (W)			Operating current (A)			COP
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.	Rated
10	10	10	2.00	2.00	2.00	2.50	6.00	7.50	415	1235	2055	2.35	5.70	9.45	4.86
13	10	10	2.44	1.78	1.78	2.50	6.00	7.50	400	1225	2055	2.25	5.65	9.40	4.90
18	10	10	2.73	1.64	1.64	2.50	6.00	7.50	400	1215	2055	2.25	5.60	9.40	4.94
13	13	10	2.20	2.20	1.60	2.50	6.00	7.50	400	1225	2055	2.25	5.65	9.40	4.90
18	13	10	2.47	2.04	1.50	2.50	6.00	7.50	400	1210	2055	2.25	5.60	9.40	4.96
13	13	13	2.00	2.00	2.00	2.50	6.00	7.50	400	1215	2055	2.25	5.60	9.40	4.94

**3 Rooms (High COP)**

RAS-3M41U2ACVG-SG

Combination			Unit capacity (kW)			Cooling capacity (kW)			Power input (W)			Operating current (A)			COP
Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.	Rated
10	10	10	1.44	1.43	1.43	2.15	4.30	7.50	356	754	1800	2.05	3.54	8.13	5.70
13	10	10	1.70	1.30	1.30	2.15	4.30	7.50	356	752	1795	2.04	3.53	8.13	5.72
18	10	10	1.92	1.19	1.19	2.15	4.30	7.50	356	752	1790	2.04	3.53	8.10	5.72
13	13	10	1.55	1.55	1.20	2.15	4.30	7.50	356	752	1795	2.04	3.53	8.13	5.72
18	13	10	1.77	1.43	1.10	2.15	4.30	7.50	356	752	1790	2.04	3.53	8.10	5.72
13	13	13	1.44	1.43	1.43	2.15	4.30	7.50	356	752	1790	2.04	3.53	8.10	5.72

**4 Rooms (High COP)**  
RAS-4M41U2ACVG-SG

**230V**

Combination				Unit capacity (kW)				Cooling capacity (kW)			Power input (W)			Operating current (A)			COP
Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.	Rated
10	10	10	10	1.65	1.65	1.65	1.65	3.0	6.6	8.9	435	1230	2055	2.45	5.80	9.30	5.37
13	10	10	10	2.07	1.51	1.51	1.51	3.0	6.6	8.9	435	1220	2055	2.45	5.75	9.30	5.41
18	10	10	10	2.36	1.41	1.41	1.41	3.0	6.6	8.9	435	1210	2055	2.45	5.70	9.30	5.45
24	10	10	10	2.81	1.26	1.26	1.26	3.0	6.6	8.9	435	1190	1930	2.45	5.65	8.75	5.55
26	10	10	10	3.08	1.17	1.17	1.17	3.0	6.6	8.9	435	1180	1900	2.45	5.60	8.65	5.59
13	13	10	10	1.91	1.91	1.39	1.39	3.0	6.6	8.9	435	1210	2055	2.45	5.70	9.30	5.45
18	13	10	10	2.18	1.80	1.31	1.31	3.0	6.6	8.9	435	1210	2055	2.45	5.70	9.30	5.45
24	13	10	10	2.62	1.62	1.18	1.18	3.0	6.6	8.9	435	1190	1930	2.45	5.65	8.75	5.55
26	13	10	10	2.89	1.51	1.10	1.10	3.0	6.6	8.9	435	1180	1900	2.45	5.60	8.65	5.59
13	13	13	10	1.77	1.77	1.77	1.29	3.0	6.6	8.9	435	1210	2055	2.47	5.70	9.30	5.45
18	13	13	10	2.03	1.67	1.67	1.22	3.0	6.6	8.9	435	1210	2055	2.45	5.70	9.30	5.45
24	13	13	10	2.46	1.52	1.52	1.11	3.0	6.6	8.9	435	1190	1930	2.45	5.65	8.75	5.55
26	13	13	10	2.72	1.42	1.42	1.04	3.0	6.6	8.9	435	1180	1900	2.45	5.60	8.65	5.59
13	13	13	13	1.65	1.65	1.65	1.65	3.0	6.6	8.9	435	1210	2055	2.45	5.70	9.30	5.45
18	13	13	13	1.90	1.57	1.57	1.57	3.0	6.6	8.9	435	1210	2055	2.45	5.70	9.30	5.45
24	13	13	13	2.32	1.43	1.43	1.43	3.0	6.6	8.9	435	1190	1930	2.45	5.65	8.75	5.55
26	13	13	13	2.46	1.38	1.38	1.38	3.0	6.6	8.9	435	1180	1900	2.45	5.60	8.65	5.59
18	18	10	10	2.06	2.06	1.24	1.24	3.0	6.6	8.9	435	1205	2055	2.45	5.70	9.30	5.48
18	18	13	13	1.81	1.81	1.49	1.49	3.0	6.6	8.9	435	1205	2055	2.45	5.70	9.30	5.48
18	18	18	10	1.83	1.83	1.83	1.10	3.0	6.6	8.9	435	1205	2055	2.45	5.70	9.30	5.48
24	18	13	10	2.34	1.76	1.44	1.05	3.0	6.6	8.9	435	1190	1930	2.45	5.65	8.75	5.55
26	18	10	10	2.64	1.80	1.08	1.08	3.0	6.6	8.9	435	1180	1900	2.45	5.60	8.65	5.59

**5 Rooms**  
RAS-5M51U2ACVG-SG

Combination					Unit capacity (kW)					Cooling capacity (kW)			Power input (W)			Operating current (A)				COP
Unit A	Unit B	Unit C	Unit D	Unit E	Unit A	Unit B	Unit C	Unit D	Unit E	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.	Rated	
10	10	10	10	10	1.66	1.66	1.66	1.66	1.66	3.70	8.30	11.50	725	1695	3165	3.80	7.55	13.75	4.90	
13	10	10	10	10	2.02	1.57	1.57	1.57	1.57	3.70	8.30	11.50	725	1695	3160	3.80	7.55	13.70	4.90	
18	10	10	10	10	2.38	1.48	1.48	1.48	1.48	3.70	8.30	11.50	725	1690	3155	3.80	7.50	13.70	4.91	
24	10	10	10	10	2.94	1.34	1.34	1.34	1.34	3.70	8.30	11.50	725	1690	3150	3.80	7.45	13.65	4.91	
26	10	10	10	10	3.10	1.30	1.30	1.30	1.30	3.70	8.30	11.50	725	1685	3145	3.80	7.50	13.65	4.93	
13	13	10	10	10	1.93	1.93	1.48	1.48	1.48	3.70	8.30	11.50	725	1690	3155	3.80	7.50	13.70	4.91	
18	13	10	10	10	2.24	1.83	1.41	1.41	1.41	3.70	8.30	11.50	725	1690	3150	3.80	7.50	13.65	4.91	
24	13	10	10	10	2.80	1.66	1.28	1.28	1.28	3.70	8.30	11.50	725	1685	3145	3.80	7.50	13.65	4.93	
26	13	10	10	10	2.97	1.61	1.24	1.24	1.24	3.70	8.30	11.50	725	1685	3140	3.80	7.50	13.65	4.93	
13	13	13	10	10	1.83	1.83	1.83	1.40	1.40	3.70	8.30	11.50	725	1690	3155	3.80	7.50	13.75	4.91	
18	13	13	10	10	2.14	1.74	1.74	1.34	1.34	3.70	8.30	11.50	725	1690	3150	3.80	7.50	13.70	4.91	
24	13	13	10	10	2.68	1.59	1.59	1.22	1.22	3.70	8.30	11.50	725	1685	3140	3.80	7.50	13.65	4.93	
26	13	13	10	10	2.86	1.53	1.53	1.19	1.19	3.70	8.30	11.50	725	1685	3140	3.80	7.50	13.65	4.93	
13	13	13	13	10	1.74	1.74	1.74	1.74	1.34	3.70	8.30	11.50	725	1690	3150	3.80	7.50	13.70	4.91	
18	13	13	13	10	2.04	1.66	1.66	1.66	1.28	3.70	8.30	11.50	725	1685	3145	3.80	7.50	13.70	4.93	
24	13	13	13	10	2.57	1.52	1.52	1.52	1.17	3.70	8.30	11.50	725	1685	3135	3.80	7.45	13.60	4.93	
26	13	13	13	10	2.72	1.48	1.48	1.48	1.14	3.70	8.30	11.50	725	1680	3135	3.80	7.45	13.60	4.94	
13	13	13	13	13	1.66	1.66	1.66	1.66	1.66	3.70	8.30	11.50	725	1690	3150	3.80	7.50	13.65	4.91	
18	13	13	13	13	1.94	1.59	1.59	1.59	1.59	3.70	8.30	11.50	725	1685	3140	3.80	7.50	13.60	4.93	
18	18	13	13	13	1.87	1.87	1.52	1.52	1.52	3.70	8.30	11.50	725	1680	3135	3.80	7.45	13.60	4.94	
18	18	18	10	10	1.95	1.95	1.95	1.22	1.22	3.70	8.30	11.50	725	1680	3135	3.80	7.45	13.60	4.94	
24	18	13	10	10	2.57	1.87	1.52	1.17	1.17	3.70	8.30	11.50	725	1680	3135	3.80	7.45	13.60	4.94	
26	18	10	10	10	2.84	1.89	1.19	1.19	1.19	3.70	8.30	11.50	725	1680	3135	3.80	7.45	13.60	4.94	

## Carrier Singapore (Pte) Limited

28 Teban Gardens Crescent,  
Singapore 608926

Service Call Center: +65 6567 5337

Email: [enquiries.toshibaaircon@carrier.com](mailto:enquiries.toshibaaircon@carrier.com)

Operating Hours: 9am to 5pm

Monday to Friday, excluding Public Holiday

[www.toshiba-aircon.com.sg](http://www.toshiba-aircon.com.sg)



© 2021 Toshiba

The manufacturer reserves the right to discontinue or change the products' specifications or designs at any time, without notice and without incurring obligations.



Revised version: June 2021