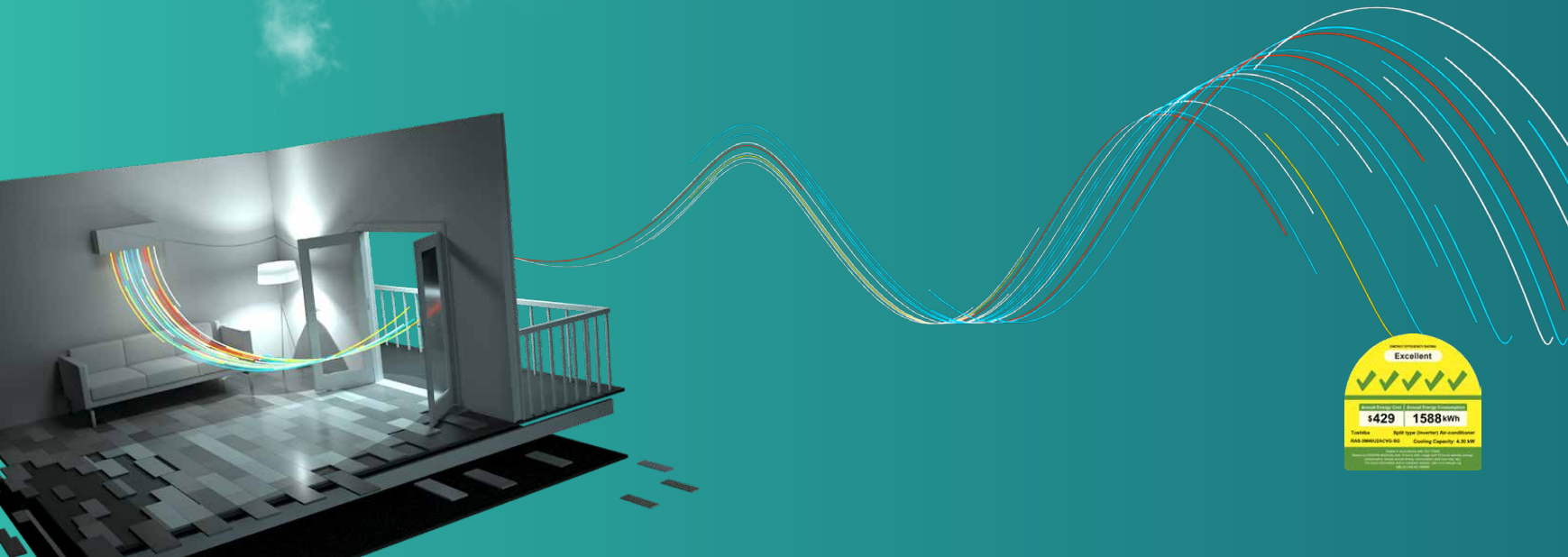


TOSHIBA

YouMe

The First 5-Tick Low Global
Warming Potential (GWP)
Inverter Multi-Split in Singapore



A vibrant pond scene featuring a multi-colored rainbow arching across the water. A red and orange koi fish swims near the center. Several large green lily pads float on the surface, and two pink lotus flowers with yellow centers are visible. The water is clear and reflects the surrounding elements.

Dream big.

夢 (ゆめ, or Yume): Dream, ideals on the future

Often dreams are founded in reality. Familiar places. Friendly faces. Dreams aren't merely slumbering illusions. They are aspirations for you and your family... ambitions to live your life to its fullest and to give future generations a world worth exploring. Your home provides the foundation to realise those dreams.

Inspired by the Japanese “yume”, the Toshiba YouMe IMS is perfectly outfitted to complement modern flats. With sustainable technology to reduce the impact on global warming and deliver the lowest energy consumption for a 5-tick IMS, the sleek design of the new YouMe seamlessly integrates into your home and helps create the comfort you need to dream big.

Efficient and Environmentally Conscious

The Toshiba YouMe harnesses the combination of smart engineering, digital control technology and advanced chemistry to deliver efficient, precise, sustainable cooling.

DC Twin-Rotary Compressor

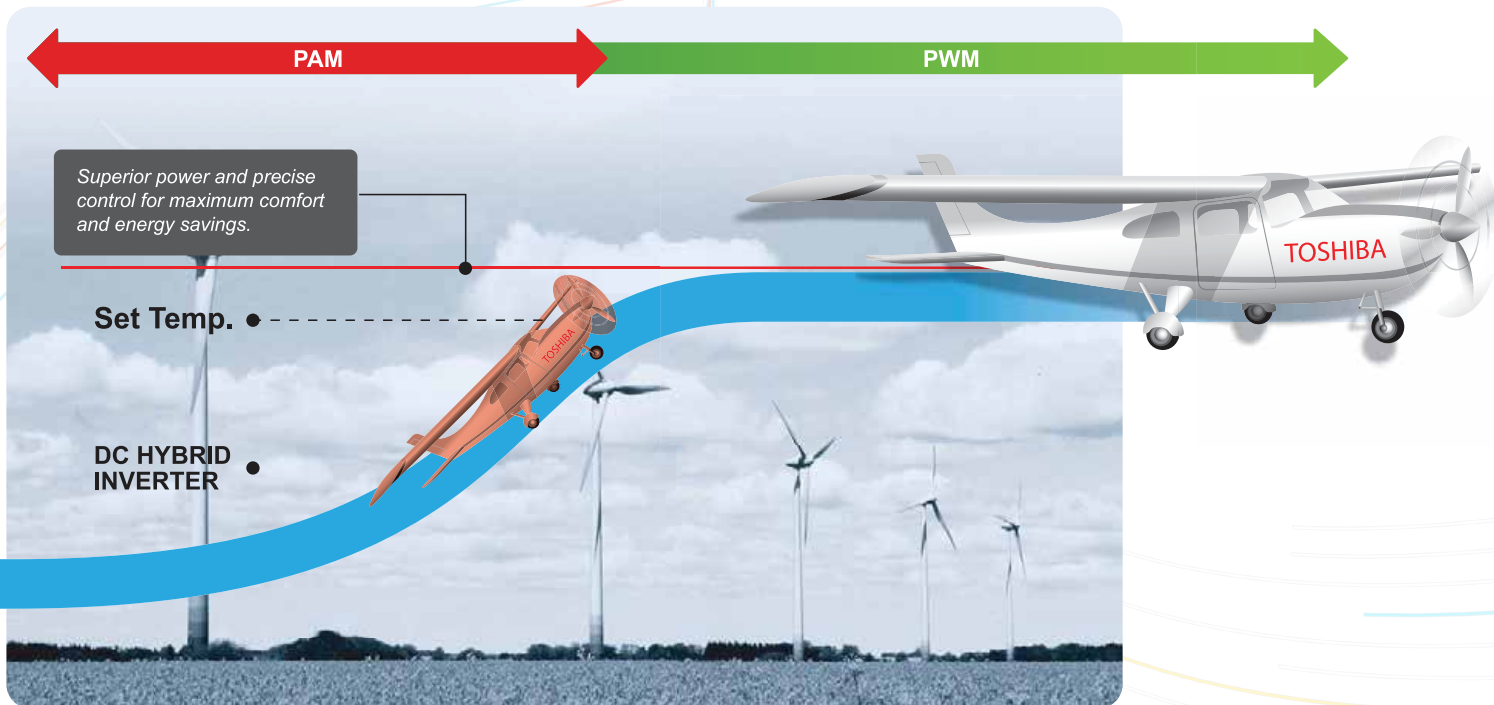
The proprietary Toshiba DC twin-rotary compressor offers several unique advantages for more efficient cooling performance. With two compression chambers, the YouMe compressor is compact and lightweight without sacrificing performance or efficiency. Twin offset rotors help control vibration and improve mechanical efficiency, contributing to extended equipment life, quiet operation and less energy loss resulting in reliable performance and reduced energy consumption.



DC Hybrid Inverter System

Conventional fixed speed compressors only operate in two states: off and on (at maximum speed). Switching between these two states is called “cycling”. Inverter technology allows the compressor to operate at variable speeds rather than cycling. This means cooling a hot room takes less time and less energy is consumed when the set temperature is reached.

As the inventor of the inverter, Toshiba takes this technology one step further with the DC Hybrid Inverter System. Pulse Amplitude Modulation (PAM) sets the compressor at maximum power, spinning the compressor at above the rated capacity in order to reduce the time to reach the set point temperature. Once the set point is reached, Pulse Width Modulation (PWM) controls the compressor rotation at a lower variable speed without cycling to precisely maintain room temperature, thereby using less energy.



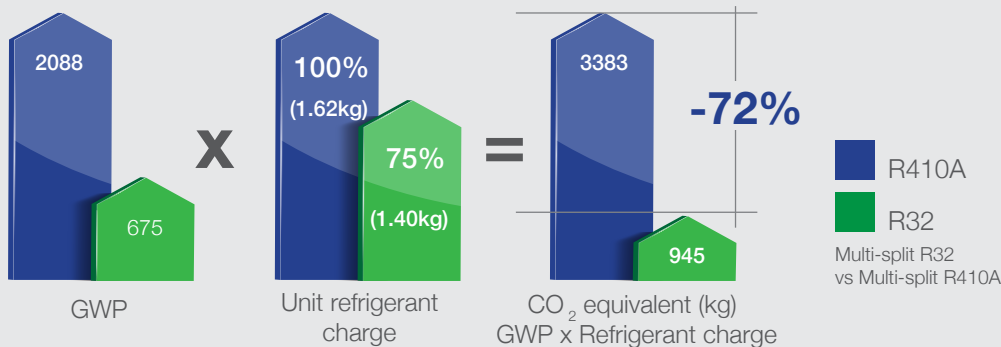
Efficient and Environmentally Conscious

Planet-Friendly Refrigerant

Non-ozone depleting refrigerants such as R410A changed the course of the planet's health when they were embraced two decades ago. Today we are faced with a new challenge—global warming. And Toshiba is helping Singapore lead the charge on sustainability with a proven low global warming potential (GWP) refrigerant, R32.

R32 has approximately one-third of the GWP as R410A and has similar working pressures, so the fundamental design of Toshiba systems remains unchanged. In addition, the YouMe IMS with R32 demonstrates better heat exchange properties than R410A and requires about 30% less refrigerant. So not only is YouMe more energy efficient, but up to 72% fewer CO₂ emissions* are released versus a comparable R410A system.

Low GWP R32 combined with a 25% reduction in system refrigerant charge reduces the total equivalent CO₂ emissions by 72% compared to equivalent charge requirements of legacy R410A systems.



*CO₂ equivalent (kg) = GWP x Refrigerant Charge



We believe in making the world a better place, and we are resolutely committed to achieving this goal. Every day, our teams work tirelessly to ensure that the pure colours of our planet stay vibrant for generations to come.



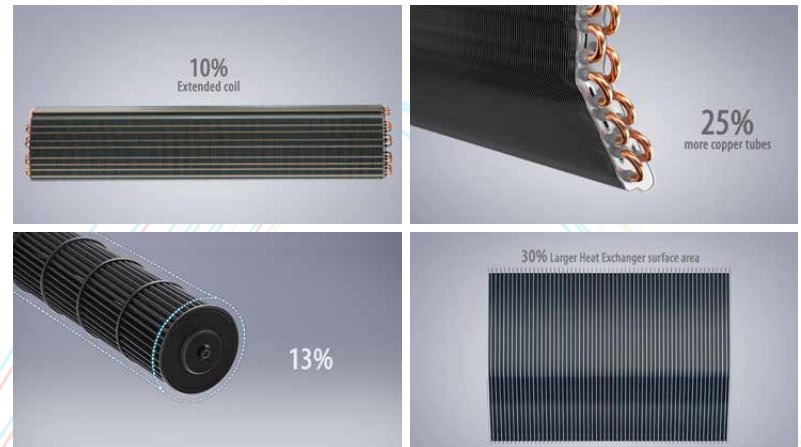
Health and Comfort

The Toshiba YouMe does not sacrifice indoor air quality or comfort at the expense of improved performance and efficiency, so you can breathe easy all year long.

Quiet, Quick Cooling

In addition to the sophisticated logic built into YouMe to cool quickly and efficiently, advanced features in the fan coil unit (FCU) inside your home help it blend into your environment.

A redesigned fan in the FCU is now 13% bigger with special skewed blades, which increases airflow while reducing the sound level by up to 8% versus conventional blades. The heat exchanger has 30% more surface area thanks to an increased copper tube count in the coil, meaning cold air enters your room more efficiently. Precise adjustable 11-way louvres guide the cold air to just where you want it—up to 14 meters at high fan speed. Warm rooms cool more quickly, and once the set point is reached, lower fan speeds quietly maintain your desired temperature while reducing energy consumption.



Wireless Control

YouMe puts the ultimate control in the palm of your hand. On hot days, Hi-Power mode will maximize the cooling power of your outdoor unit by quickly and quietly delivering cold air throughout the room. One Touch My Comfort gives you single-touch comfort straight from the factory—no setup required, while a programmable preset button allows you to preconfigure your favorite settings. Comfort Sleep mode automatically compensates for cooler night air temperatures. Eco-Logic mode raises the set point by 2°C over two hours, using up to 25% less energy compared to a standard setting without sacrificing comfort.

And if that isn't enough, you can simply program the unit to turn on and off based on your schedule.

PRESET
Store your desired settings and activate them at the touch of a button.

Operating Mode
Select the operating Mode: Cooling, Dry mode, Fan Only or Heating (only for heat-pump model)

Fixed & Swing louver
To move the louver in the desired vertical direction. Select your optimum airflow by selecting from a range of Swing louver positions.

ONE-TOUCH
Toshiba has conducted extensive studies to assess customer behavior in order to offer a combination of features that is perfect for you.

COMFORT SLEEP
For optimum comfort, set the temperature to rise by 1°C after 1 hour, then another degree after 2 hours, which will be maintained until morning.



FAN
The indoor will operate 5 fan speed (High, medium+, medium, low+, low) plus auto and the lowest noise level "Quiet mode".

QUIET
The indoor will operate at the lowest noise level. It shifts to super-low fan speed, thereby reducing the sound of the indoor unit by 3 dB.

HI POWER
Extra airflow to rapidly reach your desired temperature setting.

ECO
Achieve energy-savings of up to 25% compared with standard settings without sacrificing comfort.

Health and Comfort

Self-cleaning FCU

Residual moisture is a breeding ground for mold. While air conditioners are running, the cold coil inside your home causes moisture from the room to condense. Left unchecked, this moisture could lead to mold growth inside the FCU.

The self-cleaning function in YouMe helps reduce mold growth. After the FCU is switched off, the blower inside the unit continues to run at low speed for up to 20 minutes to dry the coils. YouMe does the work for you between maintenance intervals so you can enjoy healthy air all year round.



Normal Operation

Moisture stays trapped inside during operation.



COOL AIR - FLOW

Self-Cleaning Function

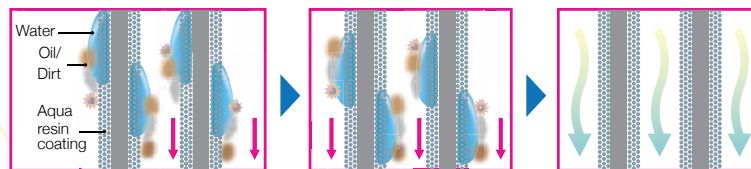
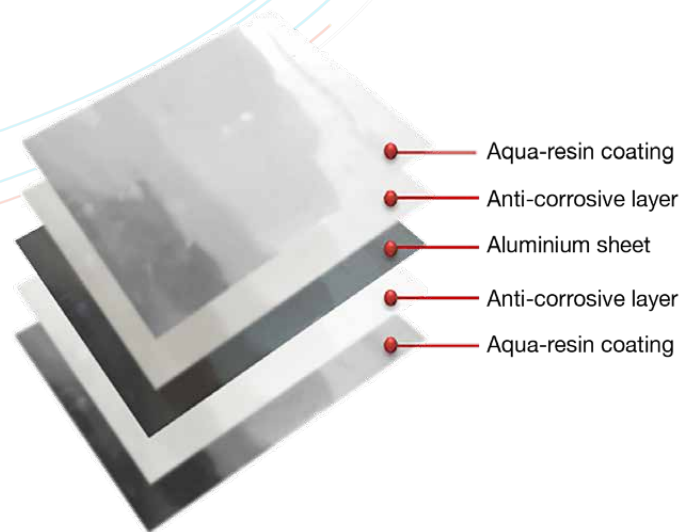
20 minutes of fan operation after shut down dries the moist air and helps reduce mould formation.

NATURAL AIR - FLOW



Magic Coil, Magic Clean

Dirt is the enemy. That's why YouMe uses a special aqua-coated aluminum fin heat exchanger, Magic Coil. Magic Coil helps keep dirt and debris from building up on your coils. When condensate from the air drains off the Magic Coil, dirt is swept away, keeping your heat exchanger cleaner longer*. Paired with an active carbon filter, not only will YouMe cool more efficiently, but the air you breathe will remain so fresh and so clean.



*Regular maintenance recommended for optimal performance and reliability



Design, Reliability and Serviceability

YouMe IMS is designed to fit your lifestyle. From interior eye-appeal to how its maintenance schedule fits into yours, YouMe caters to your needs.

Modern Aesthetic

Every detail matters. From the floors and fixtures to the furniture and decorations, the details are what gives you the comfort of feeling like you're home. And your air conditioner should not be an exception. The Toshiba YouMe imparts beautifully contoured lines, a high-gloss white finish, and adjustable white LEDs to compliment any modern interior. With only one outdoor unit connected to a maximum of three indoor units, the exterior of your home will look just as tidy too.



Easy Cleaning

In addition to the Magic Coil and self-cleaning function, YouMe makes regular light cleaning effortless for any home owner. The collection of dust on the grille or louver can increase airflow resistance, which can result in loss of cooling capacity and higher noise levels. With a new, smooth grille and easy to remove vertical louver, YouMe can be kept dust-free with 3 simple steps:

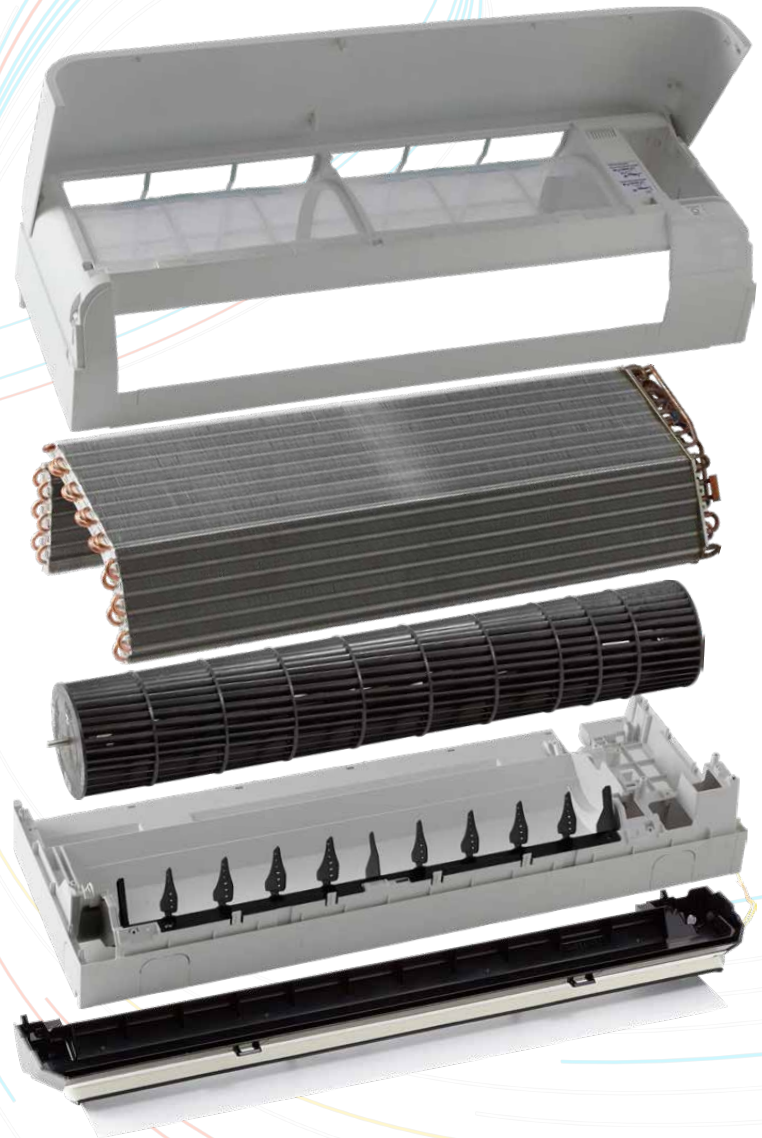
1. Wipe the new, smooth grille with a damp sponge
2. Remove and rinse the pre-filter
3. Remove the vertical louver to clean the cross-flow fan

Simply Serviceable

Toshiba YouMe is designed for complete serviceability. During regular maintenance, your technician will breeze through the YouMe service with an easily removable front panel, drain pan and cross flow fan. With 82mm of clearance, nearly 80% more than the previous generation, dust and dirt can't hide in tight spaces any more. You can rest assured that when your servicing is complete, YouMe will be nearly as clean as new.

Quality from Step One

Toshiba stands for quality—and YouMe is born of Toshiba heritage. Stringent protocols have granted the YouMe factory ISO 9001:2015 and 14001:2015 certificates for quality and environmental management systems. YouMe endures a battery of pressure, vacuum, sound, water, leak, fan balance, fan speed, compression, stress, vibration, voltage, complete unit and packaging drop tests (just to name a few) to deliver a quality air conditioner. And extensive service training helps installers deliver that quality to your home.



Specifications



| Outdoor Unit | | Inverter Multi Split System 2 | Inverter Multi Split System 3 | High COP Inverter Multi Split System 3 |
|---|-------------------------------|-------------------------------|-------------------------------|--|
| Model Name | | RAS-2M20U2ACVG-SG | RAS-3M30U2ACVG-SG | RAS-3M40U2ACVG-SG |
| Capacity (kW): Rated (Min - Max) | | 4.5 (2.25 - 5.50) | 6.0 (2.50 - 7.50) | 4.3 (2.15 - 7.50) |
| Efficiency, EER | | 4.86 (6.00 - 4.07) | 4.86 (6.02 - 3.65) | 5.7 (6.04 - 4.17) |
| Tick Rating | | 5 ✓✓✓✓✓ | 5 ✓✓✓✓✓ | 5 ✓✓✓✓✓ |
| Annual Energy Cost/Annual Energy Consumption* | | \$490 / 1816kWh | \$646 / 2394kWh | \$429 / 1588kWh |
| CDU | Dimension, 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 |
| Operating Range (°C) | | 10 - 46 | 10 - 46 | 10 - 46 |
| Power Supply | | 220 - 240V / 1Ph / 50Hz | 220 - 240V / 1Ph / 50Hz | 220 - 240V / 1Ph / 50Hz |
| Refrigerant | | R32 | R32 | R32 |
| Sound pressure level (dB(A)) | | 51 | 53 | 52 |
| Piping Connection | A unit liquid side / gas side | Ø6.35 / Ø9.52 | Ø6.35 / Ø12.7 | Ø6.35 / Ø12.7 |
| | B unit liquid side / gas side | Ø6.35 / Ø9.52 | Ø6.35 / Ø9.52 | Ø6.35 / Ø9.52 |
| | C unit liquid side / gas side | - | Ø6.35 / Ø9.52 | Ø6.35 / Ø9.52 |
| | Max. length per unit (m) | 20 | 25 | 25 |
| | Max. length total (m) | 30 | 50 | 50 |
| | Chargeless pipe length (m) | 30 | 50 | 50 |
| | Max. height difference (m) | 10 | 10 | 10 |
| Indoor Unit: High Wall | | | | |
| Model Name | | RAS-M10U2KCVG-SG | RAS-M13U2KCVG-SG | RAS-M18U2KCVG-SG |
| Air flow (m³/h - L/s) | | 790 - 220 | 790 - 220 | 790 - 220 |
| Sound pressure level, H / L (dB(A)) | | 43 / 23 | 44 / 24 | 45 / 24 |
| Dimension, H x W x D (mm) | | 293 x 798 x 230 | 293 x 798 x 230 | 293 x 798 x 230 |
| Weight (kg) | | 10 | 10 | 10 |
| Flare connections - Gas (mm) | | Ø9.52 | Ø9.52 | Ø12.7 |
| Flare connections - Liquid (mm) | | Ø6.35 | Ø6.35 | Ø6.35 |

* According to Database of Registered Goods by The National Environment Agency of Singapore, NEA. Please visit NEA website (www.nea.gov.sg) for more details.

Combination Mix

Outdoor Unit RAS-2M20U2ACVG-SG

| Combination of Indoor Units | Rated Capacity (kW) | | | Rated System Capacity (kW) | Rated Power Input (kW) | Rated COP |
|-------------------------------------|---------------------|------|---|----------------------------|------------------------|-----------|
| | A | B | C | | | |
| RAS-M10U2KCVG-SG + RAS-M10U2KCVG-SG | 2.25 | 2.25 | - | 4.5 | 0.925 | 4.86 |
| RAS-M13U2KCVG-SG + RAS-M10U2KCVG-SG | 2.6 | 1.9 | - | 4.5 | 0.915 | 4.92 |
| RAS-M18U2KCVG-SG + RAS-M10U2KCVG-SG | 2.81 | 1.69 | - | 4.5 | 0.905 | 4.97 |
| RAS-M13U2KCVG-SG + RAS-M13U2KCVG-SG | 2.25 | 2.25 | - | 4.5 | 0.905 | 4.97 |
| RAS-M18U2KCVG-SG + RAS-M13U2KCVG-SG | 2.47 | 2.03 | - | 4.5 | 0.895 | 5.03 |
| RAS-M18U2KCVG-SG + RAS-M18U2KCVG-SG | 2.25 | 2.25 | - | 4.5 | 0.885 | 5.08 |

Outdoor Unit RAS-3M30U2ACVG-SG

| Combination of Indoor Units | Rated Capacity (kW) | | | Rated System Capacity (kW) | Rated Power Input (kW) | Rated COP |
|--|---------------------|------|------|----------------------------|------------------------|-----------|
| | A | B | C | | | |
| RAS-M10U2KCVG-SG + RAS-M10U2KCVG-SG + RAS-M10U2KCVG-SG | 2 | 2 | 2 | 6 | 1.235 | 4.86 |
| RAS-M13U2KCVG-SG + RAS-M10U2KCVG-SG + RAS-M10U2KCVG-SG | 2.44 | 1.78 | 1.78 | 6 | 1.225 | 4.9 |
| RAS-M18U2KCVG-SG + RAS-M10U2KCVG-SG + RAS-M10U2KCVG-SG | 2.73 | 1.64 | 1.64 | 6 | 1.215 | 4.94 |
| RAS-M13U2KCVG-SG + RAS-M13U2KCVG-SG + RAS-M10U2KCVG-SG | 2.2 | 2.2 | 1.6 | 6 | 1.225 | 4.9 |
| RAS-M18U2KCVG-SG + RAS-M13U2KCVG-SG + RAS-M10U2KCVG-SG | 2.47 | 2.04 | 1.5 | 6 | 1.21 | 4.96 |
| RAS-M13U2KCVG-SG + RAS-M13U2KCVG-SG + RAS-M13U2KCVG-SG | 2 | 2 | 2 | 6 | 1.215 | 4.94 |

Outdoor Unit RAS-3M40U2ACVG-SG

| Combination of Indoor Units | Rated Capacity (kW) | | | Rated System Capacity (kW) | Rated Power Input (kW) | Rated COP |
|--|---------------------|------|------|----------------------------|------------------------|-----------|
| | A | B | C | | | |
| RAS-M10U2KCVG-SG + RAS-M10U2KCVG-SG + RAS-M10U2KCVG-SG | 1.44 | 1.43 | 1.43 | 4.3 | 0.74 | 5.70 |
| RAS-M13U2KCVG-SG + RAS-M10U2KCVG-SG + RAS-M10U2KCVG-SG | 1.70 | 1.30 | 1.30 | 4.3 | 0.752 | 5.72 |
| RAS-M18U2KCVG-SG + RAS-M10U2KCVG-SG + RAS-M10U2KCVG-SG | 1.92 | 1.19 | 1.19 | 4.3 | 0.752 | 5.72 |
| RAS-M13U2KCVG-SG + RAS-M13U2KCVG-SG + RAS-M10U2KCVG-SG | 1.55 | 1.55 | 1.20 | 4.3 | 0.752 | 5.72 |
| RAS-M18U2KCVG-SG + RAS-M13U2KCVG-SG + RAS-M10U2KCVG-SG | 1.77 | 1.43 | 1.10 | 4.3 | 0.752 | 5.72 |
| RAS-M13U2KCVG-SG + RAS-M13U2KCVG-SG + RAS-M13U2KCVG-SG | 1.44 | 1.43 | 1.43 | 4.3 | 0.752 | 5.72 |

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