

TOSHIBA

HEAT PUMPS

Think Toshiba. Think reliability.

New

DAISEIKAI



- WITH WEEKLY TIMER

Capable of 4 different temperature settings a day (24 hours) and 7 different programs a week

- TOP CLASS ENERGY EFFICIENCY

Achieves both SCOP A+++ and SEER A+++ which represents the highest level of efficiency

- NZ ENERGY STAR

All 3 models meet NZ Energy Star requirements due to its high efficiencies

- EXTREMELY QUIET

From only 20 dB(A)*

*measured at 2.5m distance at low speed on RAS-10G2KVP-A

DAISEIKAI G2KVP

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All New design >>>

Elegant Flat grille design



Top-class energy efficiency >>>

The new Daiseikai achieves both SCOP A+++ and SEER A+++ which represents the highest level of energy efficiency.

Maximum comfort >>>

Dual Air Flap, Horizontal & Vertical louver

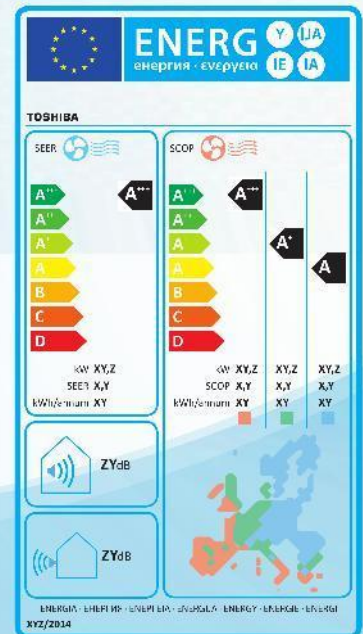
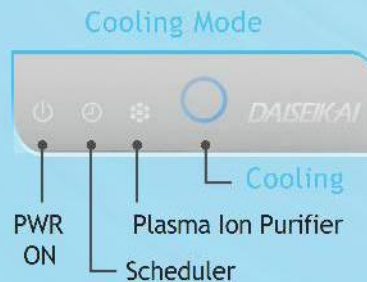
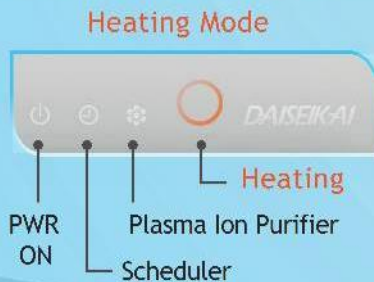


New Horizontal and Vertical Louver improves comfort with a choice of powerful airflow to evenly distribute mild airflow for comfortable and consistent temperature.

Intelligent control >>>

Illuminated Light power On/Off

An Illuminated light indicates each operation in a different colour and can be turned off anytime.



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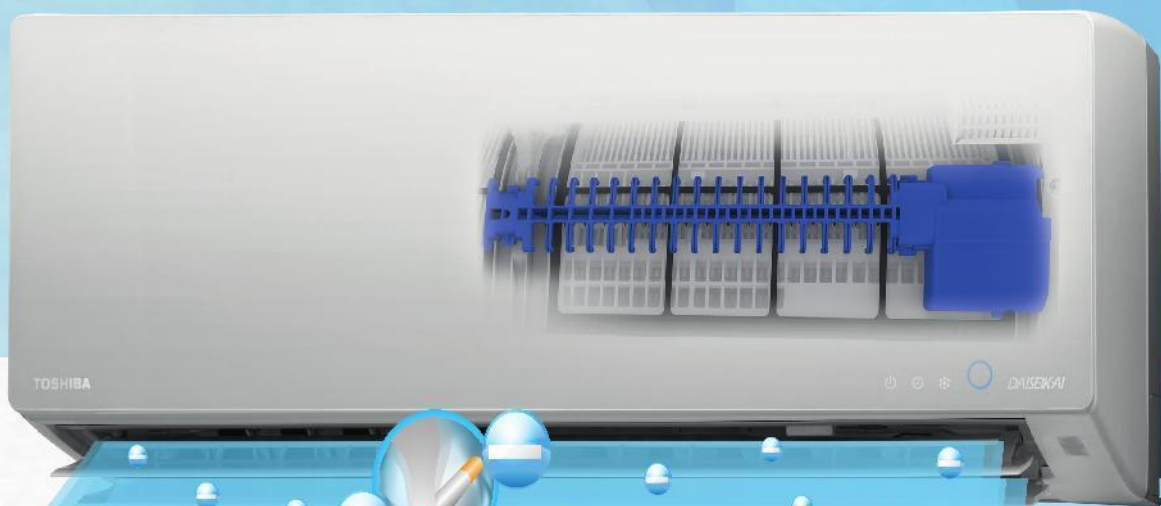
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New

DAISEIKAI

New Plasma Ion Purifier System



New Toshiba Air Purifying System >>>

Double Freshness : Plasma Ion Charger & New Ionizer System

Make your home a hideaway from dirt and discomfort. The new Daiseikai is equipped with a new innovative Plasma Ion Purifier System; a complete filtration system to deodorise air and provide a pure and healthy environment. The Plasma Ion Charger and New Ionizer System provides pure air and keeps your skin moisturised. Negative ions creates a fresh and healthy environment, absorbs and decomposes smoke, food smells and any bad odours.

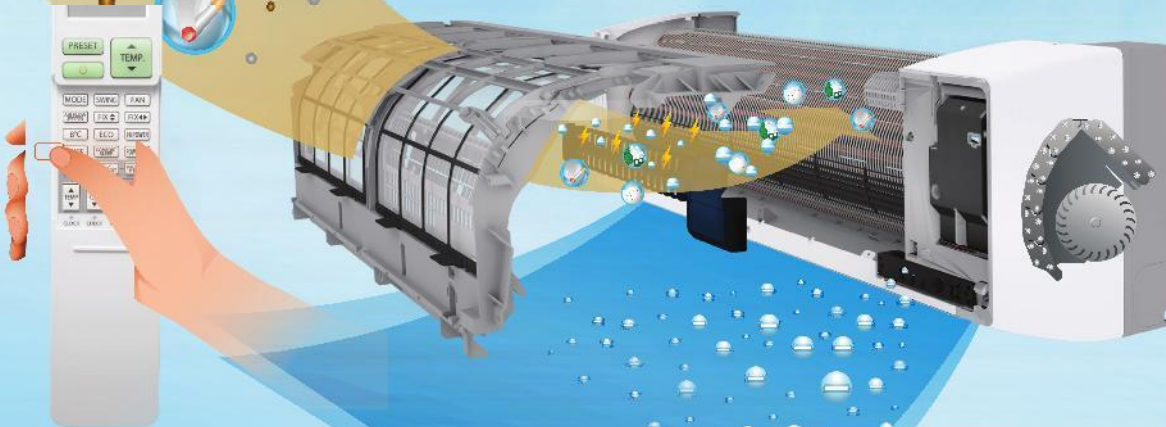
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Plasma Ion Purifier system >>>

A complete filtration system that deodorises air and provides a pure and healthy environment. The Plasma Ion Purifier System is a combination of a Plasma Ion Charger and a New Ionizer system. The system has been developed to provide maximum IAQ quality to every user. User can activate this feature by pressing the "PURE" button.



Plasma Ion Purifier system indicator on the indoor unit

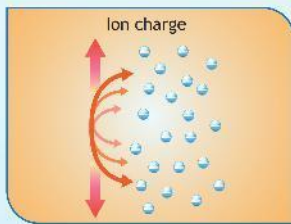
Indicator displays when the Plasma Ion Purifier system is active.



Plasma Ion Charger >>>

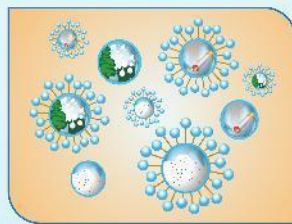
The Plasma Ion charger operates in these 3 following steps :

CHARGE



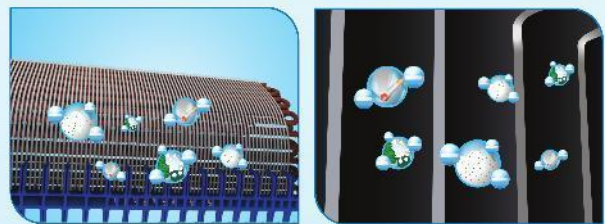
An ionized circuit forces pollutants to adopt positive electrical charge.

STEP 1



Negative electrons in the collection board attract large positive pollutants.

STEP 2



Remaining particles are forced towards the second collection board by a positive charge.

Impurities are ionized by an Ion Charger and absorbed by new heat exchanger with aqua resin coating which removes small contaminants that are unable to be caught by filters, then discharged by drain water. Drain water will occur during cooling and defrosting.

ABSORBED BY NEW HEAT EXCHANGER STEP 3



**DISCHARGE
BY DRAIN WATER**

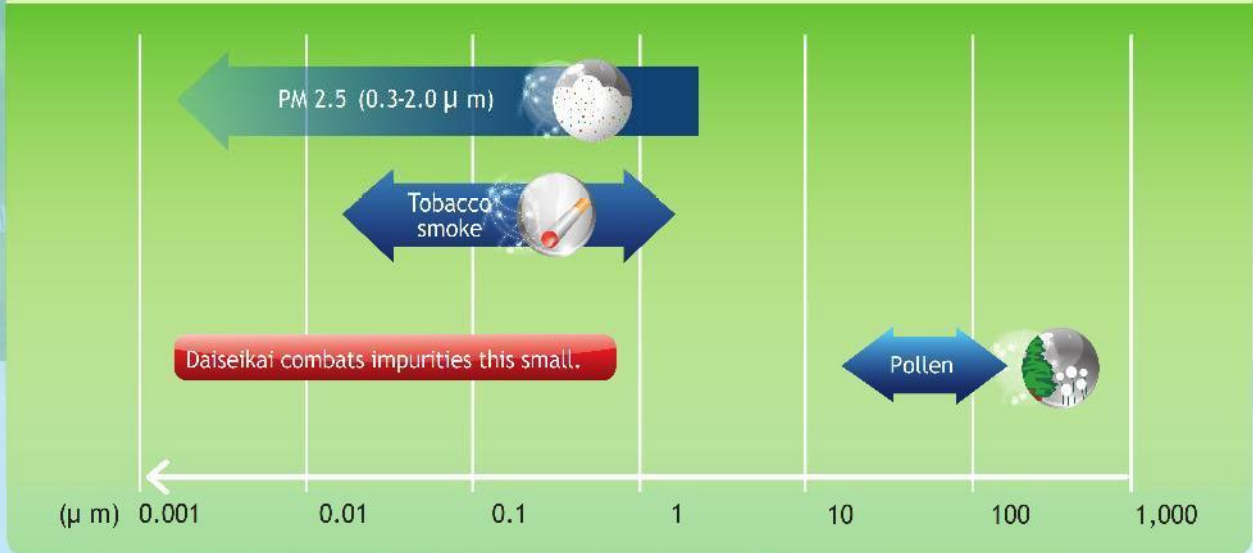
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A clean sweep of even microscopic impurities

(1 μ m) = 0.001mm



New Ionizer System >>>

New Ionizer System provides pure air and keeps your skin moist.

Negative ions from new ionizer system creates a fresh and healthy environment, absorbs and decomposes smoke, food smells and any bad odours.

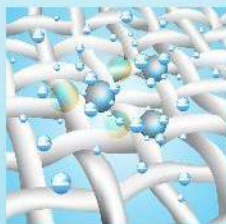
Mechanism of the New Ionizer

New Ionizer system generates negative ions* which are known as a much smaller size than regular ions.

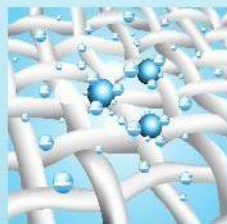
"Pico" is size of 1/1,000 of "Nano".
One (1) nano meter is 1/1,000,000,000 meter.
One (1) pico meter is 1/1,000,000,000,000 meter.

New Ionizer system absorbs bad odour and smoke

Negative ions enclose the particles.



Negative ions deactivate the particles.



New Ionizer system comforts your skin.

Moisture of skin keratin layer increases about 10% and elasticity of skin keratin layer increases about 7%.



* Generating condition of the ion : Room temperature 1-832 deg C and RH 35 -85%

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New

- Ultimate relaxation through 3D Air Flow
- Enhance installation flexibility
- 6 unique airflow patterns



3D Airflow >>>

Improved comfort by distributing powerful and stable air volume in 6 unique airflow patterns



With 3D airflow features, the indoor unit provides further airflow and stable air volume in 6 unique patterns to ensure that every comfort is reachable. New horizontal and vertical louver improves comfort with a selection of powerful airflow shower to evenly distribute mild airflow for comfortable and consistent temperature.

Wide or spot airflow is made possible by unifying the horizontal and vertical louvers. You are able to install the unit more flexibly as the airflow is horizontally & vertically controlled in the area you are staying.

Simply control airflow pattern as you wish through the remote controller by pushing the "Air Flow" button.

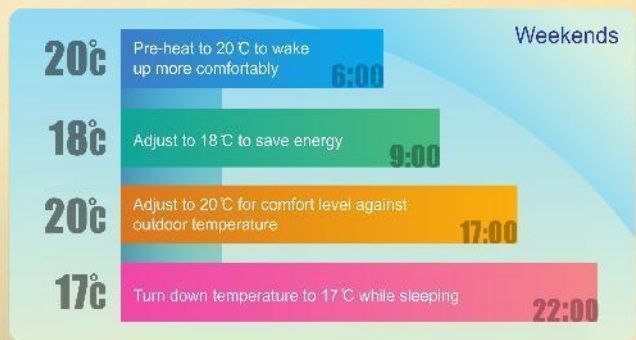


Weekly timer >>>

Weekly timer remote controller for all year round comfort

With weekly timer features Toshiba heat pump can be programmed with upto 4 different settings in a day (24 hour) and 7 different programs in a week. Setting comprise of On/Off times, temperature control operation mode and a fan speed. The remote controller is equipped with weekly timer as a standard function to provide convenient and maximum comfort to every user. Furthermore, the function also helps make energy saving easily practical

Timer setting example >>>



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INVERTER

Toshiba technology

With full enclosure of E-box designed by IEC, TOSHIBA safety standard protects electric shock and explosion, as well as fire-burn spread for both indoor* and outdoor unit.

*Not applicable for size 2.5kW



DC Twin - Rotary Compressor >>>

Toshiba engineers have developed new outdoor units to further improve existing technology. The new DC Twin-Rotary compressor* provides high efficiency, quiet sound of compressor operation, and heating or cooling operation guarantee.

Energy saving

Increased, wide range efficiency is realised

Toshiba compressor enables the adoption of a high-pressure refrigerant. High efficiency is evident in low speed operation ranges. It can reduce energy consumption when operated in a long stable conditions.

High power

High Efficiency

Rotation with two rollers at the same time makes accurate compressor rotation possible with less energy loss. As a result, it offers a great reduction in energy consumption yet with very powerful operation.

Comfort

High reliability & Low noise

The enhanced DC twin-rotary compressor delivers stable performance with minimum friction. Ideal for noise-sensitive applications. The sound of the outdoor unit is almost imperceptible.

HFC
R-410A

Non - flammable & non - ozone depletion

Use of R - 410a refrigerant which is confirmed to be non - ozone depleting, non - flammable and non-toxic.

Quietest sound ever as low as 20 db *

Larger helical-shaped fan improves airflow circulation & generates low noise

*RAS-10G2KVP



40dB

Quiet library



30dB

Soft whisper



20dB

Watch ticking

8

Threshold of hearing

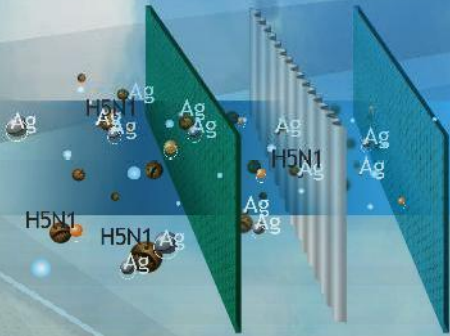
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Technology for health through >>>

TOSHIBA IAQ Filter



Toshiba IAQ* filter >>>

Toshiba IAQ's technology is able to seriously inhibit the reproductive ability of harmful bacteria and viruses such as H5N1 Avian Influenza. With Toshiba IAQ, your family can breathe easy and your house will look like as if it has been spring cleaned.

Anti-Mould Pre-Filter

with high performance filter

Toshiba's high performance filter blocks out dust, thus you can ensure your room is kept fresh and clean.

Anti-Mould Pre-Filter



Anti Bacteria and Anti Virus >>>



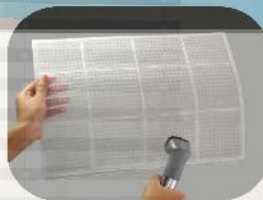
- Anti bacteria* : destroys up to 99,9% of bacteria
- Deodorizing power : Absorbs and decomposes smoke, ammonia, volatile organics, food smells and bad odours
- Prevent mould formation : Inhibits the formation of mould and fungi

- Anti virus** : Avian Influenza virus (H5N1)

* Improve air hygiene by reducing the amount of bacteria and viruses. However does not guarantee a sterilised room or protection against infection after using the filter

* Korea Apparel Testing & Research Institute, BS05-00001771
** Betagro Science Centre Co.,Ltd., 900017366

Easy Cleaning >>>



All you need to do is simply wash out the dirt with running water to clean the filter. Always keep your air clean, fresh with simple and easy care.

SELF CLEANING



Self Cleaning Function >>>

This function is designed to reduce the humidity that causes mould to form inside an air-conditioning unit.

It simply refreshes you in a natural way.

When you turn off your air conditioner, an internal fan automatically activates to dry out the coil. This removes the moisture, which causes mould to form.

Normal Operation

Moisture stays trapped inside during operation.

Mould Reduction



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

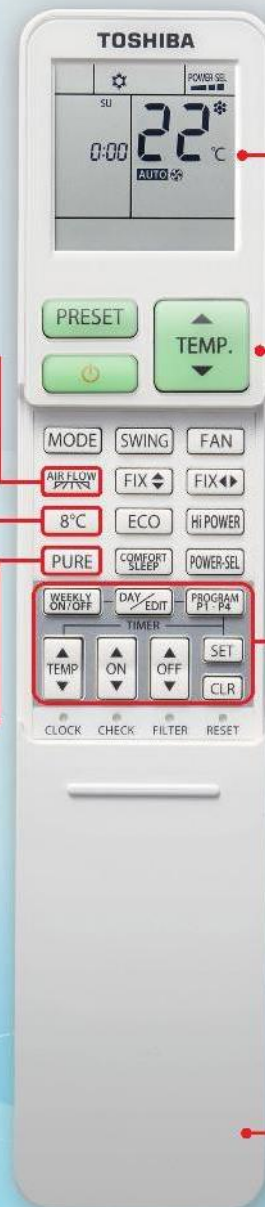
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New

- Larger LCD panel with backlight for easy use in the dark.
- Large letter display makes observation easier while large buttons provide ergonomic operation.
- Simple operation by just three key luminous buttons.



Friendly touch to every user
Larger screen with improved
backlight

Simple 3 control
luminous buttons for ease of use



3D Airflow
Improved comforts by distributing
powerful/stable air volume in
6 unique airflow patterns



8°C heating
Indoor temp kept at 8°C reduces
the chance of water inside of the
building pipes from freezing



Plasma Ion Purifier
Creates fresh and healthy environment,
absorbs and decomposes smoke,
food smells and bad odours. This
function can be switched on or off at
anytime by just pressing PURE button.



Weekly timer
Weekly timer allows to set "on and
off" times, temperature setting,
Operation mode and fan speed up
to 4 different settings in a day and
7 different programs in a week.

Other Features

- Preset
- Power select
- Comfort sleep
- Hi-power
- Eco-logic

Slide In/Out flap

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Preset

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

One Touch My Comfort

Toshiba has assessed user preferences in your region of the world to ensure that your needs can be fully catered for. The One touch My Comfort features customised temperature and airflow settings, which will deliver you ultimate comfort with one simple push of the button.

Comfort Sleep

With Toshiba's convenience feature, when you activate the Comfort Sleep button, your air-conditioning system will compensate for naturally lower night air temperatures so you can sleep in complete comfort

Real time on-off

We design Real time on-off feature, which can set on and off times or program a setting to repeat every 24 hours.

Quiet

Silence is a bliss. Home is your sanctuary, no other places on earth deserve more serenity. Enjoy your favourite activities at home... reading a favourite book while drinking a cup of warm tea... Just press the Quiet button on your Toshiba remote control and the indoor unit will operate at an extremely low 20* decibels.
*Applicable to RAS -10G2KVP-E

Fan Speed (Powerful & Precise)

Toshiba air conditioners have 7 fan-speed settings, including Auto Fan and Hi-Power modes. Choose from a gentle airflow right up to the full cooling or heating of Hi-Power mode, which provides up to 620 m³/h* of fresh air instantly.

Hi-Power

Hi Power mode makes your room cool faster yet quiet when operating. When you come home on the hot day, just press on "Hi-POWER" button. Toshiba's extra airflow rapidly deliver extra cooling throughout the room without making undesired noise.

Comfort-Smart Airflow

Toshiba air conditioner is efficiently designed with 12* louver positions to give you more flexibility with smooth, seamless airflow. With 12* louver settings, Toshiba air conditioners allow you to adjust the airflow precisely to the position that gives you the greatest comfort. Alternatively, use the swing feature to distribute air evenly throughout the room.

*Louver positions vary depending on chassis

Eco-Logic

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

Cooling only { The temperature is raised by 1^oC after 1 hour and another degree after 2 hours, which will be maintained until switching off.

Heat pump { The temperature is lowered by 1^oC after 1 hour and another degree after 2 hours, which will be maintained until switching off.

Power Select

Energy saving optimised at three levels: 100%, 75% and 50%. The Power Selection feature allows you to freely control the power consumption of the airconditioning unit from the remote controller. When choosing to operate the power consumption at 75% and 50 %, energy efficiency gets higher. As a result, Toshiba conditioner is considered power saving technology.

Technical specifications heat pump

Indoor unit			RAS-10G2KVP-A	RAS-13G2KVP-A	RAS-16G2KVP-A
Outdoor unit			RAS-10G2AVP-A	RAS-13G2AVP-A	RAS-16G2AVP-A
Cooling capacity	kW	C	2.50	3.50	4.50
Cooling range (min. – max.)	kW	C	0.55-3.50	0.63-4.10	0.63-5.0
Power input (min – rated – max.)	kW	C	0.11-0.485-0.90	0.17-0.82-1.20	0.17-1.30-1.75
EER	W/W	C	5.15	4.27	3.46
AEER	W/W	C	5.08	4.23	3.44
Energy star rating	W/W	C	★★★★★	★★★★	★★★
Heating capacity	kW	H	3.20	4.00	5.50
Heating range (min. – max.)	kW	H	0.45-5.80	0.65-6.30	0.65-6.80
Power input (min – rated – max.)	kW	H	0.09-0.58-1.65	0.14-0.80-1.77	0.14-1.37-2.05
COP	W/W	H	5.52	5.00	4.01
ACOP	W/W	H	5.45	4.96	3.99
Energy star rating	W/W	H	★★★★★	★★★★	★★★
Indoor unit			RAS-10G2KVP-A	RAS-13G2KVP-A	RAS-16G2KVP-A
Air flow (max.)	m ³ /h – l/s	C	648-180	672-187	696-193
Sound pressure level (quiet/high)	dB(A)	H	20/42	21/43	23/44
Moisture removal	l/h		1.5	2.0	2.5
Dimensions (h x w x d)	mm		293 x 831 x 270	293 x 831 x 270	293 x 831 x 270
Weight	kg		14	14	14
Outdoor unit			RAS-10G2AVP-A	RAS-13G2AVP-A	RAS-16G2AVP-A
Air flow	m ³ /h – l/s	C	1800-500	2160-600	2520-700
Sound pressure level (h)	dB(A)	C	46	48	49
Sound power level (h)	dB(A)	H	61	63	64
Operating range	°C	C	-10-46	-10-46	-10-46
Operating range	°C	H	-15-24	-15-24	-15-24
Dimensions (hx wx d)	mm		630 x 800 x 300	630 x 800 x 300	630 x 800 x 300
Weight	kg		42	42	42
Compressor type			DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Flare connections - Gas	in		3/8"	3/8"	1/2"
Flare connections - Liquid	in		1/4"	1/4"	1/4"
Minimum pipe length	m		2	2	3
Maximum pipe length	m		25	25	25
Maximum height difference	m		10	10	10
Chargeless pipe length	m		15	15	15
Power supply	V/ph/Hz		220-240/1/50	220-240/1/50	220-240/1/50
Electrical connection to			Outdoor	Outdoor	Outdoor
Interconnecting cable			3 core +earth	3 core +earth	3 core +earth

C = cooling mode
H = heating mode



New Zealand's
Most Energy Efficient
Products

Energy star® is awarded to New Zealand's most energy efficient products

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 subject to change without prior notice.
Note: All images provided in this catalogue are used for illustration purposes only.
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