

**TOSHIBA**  
**AIR CONDITIONING**

Inventor of the Inverter



When technology meets comfort  
RESIDENTIAL PRODUCT LINE

RESID

# Residential

A step beyond well-being

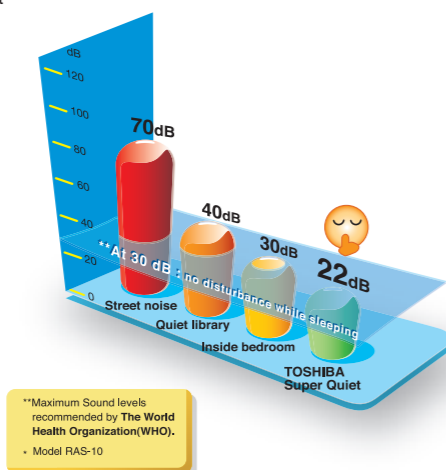


## Innovative technologies, ingenious characteristics Toshiba raises the standard!

This is represented strongly in Toshiba's residential systems, where attention to the individual is paramount and Toshiba recognises and respects our desire for improved well-being.

Thanks to Toshiba's continuous dedication, research and development, modern technologies are applied to its systems.

Toshiba's objective is continuous innovation, constantly reaching out to reduce the impact on the world around us and increase our personal comfort and well-being.



## DC Hybrid Inverter Technology

It's true: Toshiba was the first air conditioning manufacturer to utilise inverter technology within air conditioning systems in 1981. Being first to develop and utilise innovative technology is a passion for Toshiba.

Inverter technology immediately demonstrated its advantages: precisely matching the cooling or heating requirement, energy efficiency, and accurate temperature control.

The development of the new DC Hybrid Inverter has again confirmed this innovative capability and leadership position in technology in a fast and growing air conditioning market.

- DC Twin Rotary Compressor
- High reliability
  - High efficiency
  - Low noise

## The mission? Improved Indoor Air Quality

Comfort in the home means much more than just controlling the temperature. Because of this, Toshiba is an excellent investment for the enhanced well-being of the family environment.

One of Toshiba's research objectives is the continuous introduction of new ways to eliminate air pollutants in the residential air conditioning sector.

## Care for users

The benefits of Toshiba's refined designs include flexibility in application, low operating sound levels, improved indoor air quality and all-around comfort. This comfort is a result of precise temperature control thanks to inverter technology. The inverter ensures that the required temperature of the occupant is reached quickly and is maintained – eliminating temperature fluctuations often experienced with non-inverter systems.

- DC Hybrid Inverter
- High energy saving control
  - High power factor control

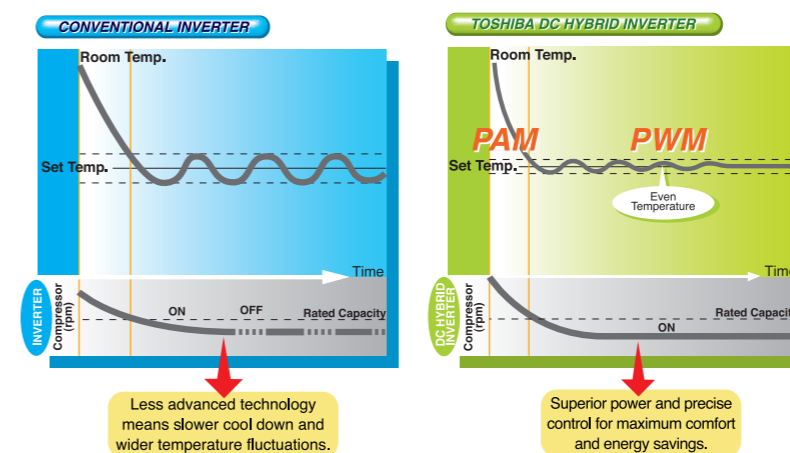


# DC Hybrid Inverter



## Toshiba: the inverter company

The efficiency of an inverter air conditioner is determined by the efficiency of each component: the control electronics, the motor, and the compressor. Toshiba has focused its attention on all of these components.



## Control electronics

Toshiba's deep understanding of the functional characteristics of inverters has allowed it to refine the idea of energy savings along with continuous improvements in key areas, such as the power factor.

### Power Factor

The power factor of an electrical load, such as a motor, is its power output compared to the energy it consumes, both measured in watts. Ideally, the electrical current and voltage are "in phase", and the power factor is 100%. Actual operating conditions cause an inverter system to deviate from this ideal.

Toshiba has combined two technologies, creating the "DC Hybrid Inverter", that automatically

chooses the better of the two control methods based on the actual conditions at the time. This solution provides high capacity when it is necessary. On very cold winter days, or hot summer days the Toshiba DC Inverter uses the PAM method, and for very low energy consumption, when conditions are less severe uses the PWM method. Given that maximum capacity is not often required, and that high efficiency is always desirable, the result is a greatly reduced annual energy consumption.

## The driver of technology

The motor that drives the revolutions of the air conditioner is a concentration of mechanical technology and electromagnetic engineering. The most advanced methods of modelling were used to determine the best configuration of the permanent magnets in the DC motor. A perfect choice of the shape and materials for the permanent magnets allows for the best synchronisation with the frequency of the voltage applied by the control circuit. The rpm is therefore precisely selected to match the ambient conditions.

## The twin rotary compressor

The compressor is the third extra-thermodynamic element which Toshiba has continuously improved, finally arriving at the solution called the "DC Twin Rotary Compressor". It is a double cam rotary compressor which has several features that increase its performance and reliability. The opposed, double blade design yields mechanical stability and less vibration that could cause stress on other components. In fact, being able to reduce the rpm without causing instability enables improved temperature control when less capacity is required. An added benefit offered by the DC Twin Rotary Compressor is its low noise level compared to normal rotary compressors, and with refrigerant R410A, it is more efficient than scroll compressors.

## Ionisation: When technology learns from nature and the state-of-the-art Daiseikai

The plasma purifier, in combination with zeolite filters can eliminate particles as small as 0.0001 micron. Its operating life is long with little maintenance required and no moving parts increases its reliability. The Toshiba plasma air purifier has a larger capture area offering excellent efficiency.

### Up to 99% air cleaning efficiency

Toshiba's true two-stage, double function air purification and deodorising filter\* and electrostatic cell can remove more than 99% of pollutants. Purifying eliminating allergens, dust, smoke, bacteria,

viruses, mould, dust mites and deodorising for the elimination of odour molecules.

### The secret of air purification

Electrostatic precipitation for air cleaning consists of three basic steps.

- Applying an electrical charge to particles suspended in the air;
- Capturing the particles;
- Removal of the captured particles.

### Toshiba advantages

\*Daiseikai can produce up to 35,000 negative ions per cm<sup>3</sup> of air, with an average of 10,000 per cm<sup>3</sup>.

This value is equivalent to the quality of air near a waterfall, and is better than a forest. This emission of negative ions offsets the excess of positive ions generally present in homes and reaches the concentration levels that are found in the cleanest zones of the planet.

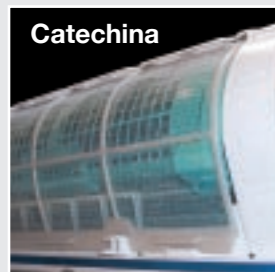


(\*) Efficiency of the electrostatic cell as measured by the trapping of PM10 with an applied voltage of 4.2 and 2.7kV and an airflow of 85 m<sup>3</sup>/h  
(+) Measurement is performed with ambient conditions of 24°C and a relative humidity of 80%. When functioning in the "dry" mode, 35,000 ions per cm<sup>3</sup> were measured in a test room of 17 square metres, at a height of one metre above the floor and after two hours of operation, the room temperature was 24°C and humidity 50%.

## No escape from a Toshiba filter!

### Catechina

The new catechina pre-filter from Toshiba (available on the Daiseikai models) introduces a further method of purifying the air. This treatment improves the cleanliness of the air from the time it enters the air conditioner. The catechina has three effects: deodorant, anti-bacteria, and fungus removal. In particular, because the treatment occurs on the pre-filter, the anti-mould property is increased. The filter is covered with a layer of catechina, a strong antioxidant that helps to neutralise free radicals and prevents the effects of oxidation.

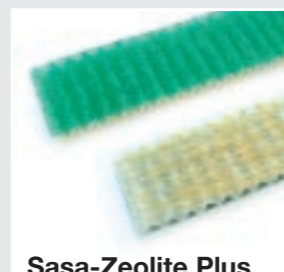


Catechina

### Sasa Zeolite Plus

Toshiba's advanced technology provides you with "SASA-ZEOLITE PLUS FILTER" which is a combination of a Sasa (bamboo extract) and Zeolite-plus filter. The bamboo extract has bacteria<sup>1</sup> and virus<sup>2</sup> deactivation properties. Meanwhile, Zeolite-plus filter traps odours, removes chemicals and cleans pollutants from the air. The filter is easy to maintain by simply washing with soapy water and rinsing with clean water. Drying it in sunlight for 3-6 hours will regenerate the filter.

1 Test under Japanese Industrial Standard (JIS) Z2801 at the Japan Food Research Laboratories  
2 Type A influenza virus, tested at the Japan Food Research Laboratories



Sasa-Zeolite Plus

### Bio-Enzyme Gingko

TOSHIBA's new "BIO-ENZYME & GINGKO FILTER" is a combination of Bio-enzyme and Gingko leaf extract. Bio-enzyme will eliminate bacteria<sup>1</sup>, virus and mould<sup>2</sup>. While the Gingko extract reduces agents that can cause allergic reactions<sup>3</sup>. The Gingko leaf extract consists of many kinds of flavanoids and ginkgoloyde which have many physiological activities and are used in some health foods.

1 Bacteria type : Escherichia Coli, Staphylococcus Aureus (tested under JIS Z2801:2000 standard, test report no.103072045-004 by the Japan Food Research Laboratories)

2 Mold type : Aspergillus Niger, Penicillium Citrinum, Chaetomium Globosum, Myrothecium Verrucaria (tested under JIS Z2911:2000, test report no. 103072045-005 by the Japan Food Research Laboratories)

3 Test allergen : Cedar pollen allergen, Tick allergen (at Hoshi University)



Bio-Enzyme Gingko

## Toshiba Remote Controls

### • One-touch preset

The one-touch Preset memory allows the user to store their preferred comfort settings, and restore all of them at the simple touch of a button.

### • One-touch auto mode

Press the auto button to set the system into fully automatic mode. Your air conditioner will automatically choose the best settings to quickly achieve and maintain your desired temperature.

### • Five selectable fan speeds plus Auto

Choose your desired airflow from the five fan speeds or select the Auto Fan Speed mode and let the air-conditioner select it for you.

### • Operating Modes

Select the Operating Mode: Cooling, Dry Mode (Dehumidification), Fan only, Heating (only for heat pump model) or Auto Change over.

### • Quiet Mode

By pressing the "Quiet" button on the remote control, the indoor unit will only operate at super low fan speed, reducing the sound of the indoor unit by 3db.

### • Auto swing or fixed louver position

Select your preferred airflow distribution: "Fix" to choose any one of the 12 louver positions that you prefer or "Swing", to move smoothly between all positions for a comfortable air flow.

### • Real Time - On/Off Timer - Repeat Timer

The real time On/Off timer provides easy-to-set on and off operating times. The repeat timer allows for automatic repetition of the timer settings every 24 hours.

### • Auto Diagnosis

The unit is equipped with a 36 Code Auto Diagnosis system that constantly monitors all main functions and components of the system to enable maintenance scheduling.

### • Eco-logic

The Eco-logic mode achieves energy savings of up to 25% compared to the standard operation mode, whilst improving your comfort by automatically increasing the temperature setting.

### • Hi-Power

Select "Hi-Power" for extra airflow, to cool you faster than standard operation.

### • Comfort Sleep

The temperature during the night is normally cooler than during the day. By pressing the "Comfort Sleep" button (in cooling mode) the room temperature will be allowed to rise by one degree per hour for two or three hours, providing you with improved comfort whilst asleep.



Suitable for:  
Daiseikai



Suitable for:

NKV - Inverter Hi-Wall  
NKP - Non-Inverter Hi-Wall  
Cool Only  
NKHP - Non-Inverter Hi-Wall  
Reverse Cycle

### †Warranty

Toshiba have a reputation for product quality, and one way to demonstrate our confidence in Toshiba Air Conditioning is our 5 year parts and labour warranty from date of installation for products used in residential applications. For comprehensive warranty information, please contact our service department.



- ┆ 6 STAR ENERGY EFFICIENCY
- ┆ DC HYBRID INVERTER
- ┆ R410A - NON OZONE DEPLETING



- ┆ Plasma air purifier
- ┆ Catechin pre-filter
- ┆ Self-cleaning function
- ┆ Air Ionizer
- ┆ Zeolite Plus Filters
- ┆ 12 Louvre Positions
- ┆ Sleep Timer
- ┆ One Touch Auto Mode
- ┆ Hi- Power
- ┆ 5 Fan Speeds and Auto
- ┆ Eco Logic
- ┆ Auto Change Over
- ┆ One Touch Preset Memory
- ┆ Auto Diagnostics
- ┆ Real Time Clock



## Daiseikai Hi-wall residential

### Features

The 3-in-1 Daiseikai Hi-wall unit is not only one of the best Air Conditioners on the market, it is also an Air Purifier and Ioniser.

Letting the design suggest to you what's inside; now modern technology and quality have a new appearance. The new Daiseikai unit, with soft and refined lines and a smooth front panel with an elegant cobalt blue insert, projects its personality: purity and power.

With exceptional energy efficiency levels and superior air quality features, Daiseikai launches a new era in air conditioning.

### Key features

#### Purifying and Deodorizing:

New triple-action filtering system - Catechin anti-mould and virus deactivation filter, Zeolite Plus filter and Plasma filter - to improve the indoor air quality in your home.

**Relaxing:** Air ioniser for optimum user comfort and enhanced well-being.



Optimum air flow distribution: 12 fixed louvre positions plus auto swing mode and auto positioning.

#### Super Quiet & Maximum

**comfort:** By pressing the "Quiet" button on the remote control, the fan shifts to the super low speed, reducing the sound of the indoor unit by 3 dB(A), to only 22 dB(A)

\*RAS-10G, RAS-13G

### Technical specifications reverse cycle

Outdoor unit			RAS-10GAVP-E	RAS-13GAVP-E	RAS-16GAVP-E
Indoor unit			RAS-B10GKVP-E	RAS-B13GKVP-E	RAS-B16GKVP-E
Cooling capacity	CO	kW	2.50	3.50	4.50
Cooling range (min ~ max)	CO	kW	0.50 ~ 3.50	0.60 ~ 4.50	0.80 ~ 5.00
Power input (min ~ rated ~ max)	CO	kW	0.10 ~ 0.55 ~ 0.86	0.11 ~ 0.92 ~ 1.36	0.15 ~ 1.38 ~ 1.82
COP	CO		4.55	3.80	3.26
Heating capacity	RC	kW	3.20	4.20	5.50
Heating range (min ~ max)	RC	kW	0.60 ~ 5.80	0.60 ~ 6.60	0.80 ~ 7.80
Power input (min ~ rated ~ max)	RC	kW	0.12 ~ 0.71 ~ 1.72	0.12 ~ 0.98 ~ 1.89	0.15 ~ 1.51 ~ 2.48
COP	RC		4.51	4.31	3.65
<b>Indoor unit</b>					
Dimensions (HxWxD)		mm	250 x 790 x 215	250 x 790 x 215	250 x 790 x 215
Weight		kg	9	9	9
Sound pressure (h/l)	CO	dB(A)	42/27	43/27	45/29
Air flow (h/l)	CO	l/s	152/77	157/77	168/88
Sound pressure (h/l)	RC	dB(A)	43/27	44/27	45/29
Air flow (h/l)	RC	l/s	170/78	177/83	188/95
<b>Outdoor unit</b>					
Dimensions (HxWxD)		mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Weight		kg	35	37	37
Sound pressure	CO	dB(A)	46	48	49
Operating range	CO	°C	5 ~ 43	5 ~ 43	5 ~ 43
Sound pressure	RC	dB(A)	47	50	50
Operating range	RC	°C	-15 ~ 24	-15 ~ 24	-15 ~ 24
Liquid		mm	6.35	6.35	6.35
Gas		mm	9.50	9.50	12.70
Maximum pipe length		m	25	25	25
Maximum height difference		m	10	10	10
Chargeless pipe length		m	15	15	15
Compressor type Inverter			DC Twin rotary	DC Twin rotary	DC Twin rotary
Power supply		V/ph/Hz	240/1/50	240/1/50	240/1/50



┆ R410A

┆ DC HYBRID INVERTER



┆ Zeolite + Sasa filters

┆ Byo-Enzyme + Gingko filters

┆ One touch pre-set memory

┆ Hi-power

┆ Washable Front Panel

┆ 12 Step Louvre Positions

┆ One Touch Auto

┆ Quiet Mode

┆ Comfort Sleep

┆ Sleep Timer

┆ Eco Mode

┆ Real Time

┆ Auto Diagnostics

## NKV Inverter Hi-wall residential

### Features

Innovative technology, ingenious features and attractive design - Toshiba's NKV raises the standard of air conditioning yet again with a new level of comfort.

Comfort comes with the whisper-quiet operation and optimum airflow management system, whilst the new filtration system allows you to breathe cleaner air. The units are available as single or multi-split systems, with the multi-split system offering the increased flexibility of one outdoor unit serving up to four indoor units.

### Key features

New enhanced aesthetic and slimline design.

New enhanced filtration system: Zeolite Plus + Sasa filter to deodorise, Bio-Enzyme filter + Gingko filter to purify and new anti-oxidant Vitamin C filter\*.

Latest Digital hybrid inverter technology for increased energy efficiency, optimised comfort and superior reliability.

One touch pre-set memory: to recall your favourite settings.

Low noise level: operation at 29dB(A) in cooling only mode (size 10) for comfortable nights.

Hi-power: lowers/raises temperature and increases fan speed to get to the desired temperature faster.

\*RAS-10, RAS-13, RAS-13NKV

### Technical specifications reverse cycle

Indoor unit			RAS-10NKV-A2	RAS-13NKV-A2	RAS-16NKV-A2	RAV-SM562KRT-E	RAV-SM802KRT-E
Outdoor unit			RAS-10NAV-A2	RAS-13NAV-A2	RAS-16NAV-A2	RAV-SM562AT-E	RAV-SM802AT-E
Cooling capacity	CO	kW	2.50	3.50	4.62	5.00	6.70
Cooling range (min ~ max)	CO	kW	0.90 ~ 3.00	1.10 ~ 4.00	1.20 ~ 5.20	1.50 ~ 5.60	2.20 ~ 8.00
Power input (min ~ rated ~ max)	CO	kW	0.15 ~ 0.76 ~ 0.97	0.19 ~ 1.07 ~ 1.30	0.25 ~ 1.62 ~ 1.90	0.40 ~ 1.74 ~ 1.86	0.50 ~ 2.72 ~ 2.85
Operating current (max)	CO	A	4.40	5.85	8.50	8.16	12.63
COP (min ~ rated ~ max)	CO		3.11 ~ 3.29 ~ 3.53	3.27	2.85	3.75 ~ 2.93 ~ 3.01	4.40 ~ 2.46 ~ 2.81
Heating capacity	RC	kW	3.20	4.20	5.90	5.60	8.00
Heating range (min ~ max)	RC	kW	0.90 ~ 4.00	1.10 ~ 5.80	1.30 ~ 7.40	1.50 ~ 6.30	2.20 ~ 9.00
Power input (min ~ rated ~ max)	RC	kW	0.23 ~ 0.84 ~ 1.12	0.19 ~ 1.13 ~ 1.64	0.26 ~ 1.73 ~ 2.32	0.40 ~ 1.70 ~ 1.86	0.55 ~ 2.67 ~ 3.46
Operating current (max)	RC	A	5.13	5.85	10.20	10.53	12.63
COP (min ~ rated ~ max)	RC		3.11 ~ 3.81 ~ 3.57	5.79 ~ 3.27 ~ 3.08	4.80 ~ 2.90 ~ 2.74	3.75 ~ 3.29 ~ 2.63	4.00 ~ 3.00 ~ 2.60
Indoor unit							
Air flow (h/l)	CO	l/s	147/95	147/95	212/145	233	308
Sound pressure (h/l)	CO	dB(A)	38/27	39/26	45/34	29/33	43/36
Dimensions (HxWxD)		mm	275 x 790 x 218	275 x 790 x 218	275 x 790 x 218	298 x 998 x 221	298 x 998 x 221
Weight		kg	10	10	10	12	12
Sound pressure (h/l)	RC	dB(A)	39/29	39/28	44/34	39/33	43/36
Outdoor unit							
Dimensions (HxWxD)		mm	530 x 660 x 240	550 x 780 x 270	550 x 780 x 270	550 x 780 x 290	550 x 780 x 290
Weight		kg	30	36	39	38	42
Sound pressure	CO	dB(A)	46	48	51	46	48
Operating range	CO	°C	15 ~ 43	15 ~ 43	15 ~ 43	15 ~ 43	15 ~ 43
Sound pressure	RC	dB(A)	47	50	53	48	50
Operating range	RC	°C	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24
Liquid		mm	6.35	6.35	6.35	6.35	9.52
Gas		mm	9.52	12.70	12.70	12.70	15.90
Maximum pipe length		m	10	15	15	30	30
Maximum height difference		m	8	10	10	30	30
Chargeless pipe length		m	10	15	15	20	20
Compressor type inverter			DC Rotary	DC Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Power supply		V/ph/Hz	240/1/50	240/1/50	240/1/50	240/1/50	240/1/50



## HI-WALL SPLIT SYSTEM

### COOLING ONLY/ REVERSE CYCLE



Size 10



- ┆ 6 in 1 Filtration
- ┆ Self Clean Function
- ┆ Comfort Sleep
- ┆ One touch pre-set
- ┆ Hi-power (Cooling Mode)
- ┆ Auto diagnosis
- ┆ Real time On/Off timer
- ┆ 12 Step Louvre
- ┆ One Touch Auto
- ┆ Eco-Logic
- ┆ Auto Swing or Fix Louvre

## Hi-wall Non-Inverter residential

### Features

These new elegant Hi-wall units are extremely compact, slim line units and blend into room interiors.

These units present new outstanding features like the Vitamin C filter and the efficient arc shape coil. Ideal for residential and commercial applications, such as offices, small shops and hotels.

### Key features

Efficient filtration system: Anti-mould pre filter, Zeolite Plus and Sasa filter, the new anti-oxidant Vitamin C filter and the Ginkgo filter combined with the Bio Enzyme filter.

Innovative Toshiba Arc shape Coil: the increased heat exchanger surface ensure better air-flow.\*

New aesthetics with the simple and elegant lines of the flat panel.

The slimmest unit of Toshiba range: 25% smaller and 30% lighter.\*

Self Clean Function.



\* RAS-10NK

### Technical specifications reverse cycle (R22)

Indoor Unit			RAS-10NKHP-A2	RAS-13NKHP-A2	RAS-18NKHP-A2	RAS-26NKHP-A2	RAS-28NKHP-A
Outdoor Unit			RAS-10N2AH-A2	RAS-13N2AH-A2	RAS-18N2AH-A2	RAS-26N2AH-A2	RAS-28NAH-A
Cooling capacity	CO	kW	2.75	4.00	5.15	7.50	8.00
Power input	CO	kW	0.87	1.25	1.83	3.00	3.45
Operating current (max)	CO	A	3.95	5.35	8.70	13.80	15.20
COP	CO		3.16	3.20	2.81	2.50	2.32
Heating capacity	RC	kW	3.00	4.10	5.50	8.60	9.50
Power input	RC	kW	0.86	1.23	1.65	3.30	3.65
Operating current	RC	A	3.92	5.35	8.00	14.50	16.30
COP	RC		3.49	3.33	3.33	2.61	2.60
Indoor Unit							
Dimension (HxWxD)	mm		275 x 790 x 218	275 x 790 x 218	298 x 998 x 220	298 x 998 x 220	298 x 998 x 220
Weight	kg		10	10	12	12	12
Sound pressure (h/l)	dB(A)		39/26	41/31	49/36	53/42	51/41
Airflow volume	CO	l/s	158	181	292	333	333
Humidity capacity	RC	l/h	1.20	2.00	2.00	2.50	2.70
Outdoor Unit							
Dimension (HxWxD)	mm		550 x 780 x 290	550 x 780 x 290	690 x 880 x 310	690 x 880 x 310	690 x 880 x 310
Weight	kg		33	38	52	71	70
Sound pressure	dB(A)		50	51	58	59	61
Operating range	°C		15 ~ 43/-10 ~ 24	15 ~ 43/-10 ~ 24	21 ~ 43/-10~24	21 ~ 43/-10 ~ 24	15 ~ 43/-10 ~ 24
Liquid	mm		6.35	6.35	6.35	6.35	6.35
Gas	mm		9.52	12.70	15.88	15.88	15.88
Maximum pipe length	m		10	15	20	25	25
Maximum pipe height	m		5	6	8	10	10
Chargeless pipe length	m		10	15	15	15	15
Power supply	V/ph/Hz		240/1/50	240/1/50	240/1/50	240/1/50	240/1/50

### Technical specifications cooling only (R22)

Indoor Unit		RAS-10NKP-A2	RAS-13NKP-A2	RAS-24NKP-A2
Outdoor Unit		RAS-10N2A-A2	RAS-13N2A-A2	RAS-24N2A-A2
Cooling capacity	kW	2.70	4.00	6.58
COP		3.18	3.20	2.81
Operating current (max)	A	3.70	5.35	11.30
Indoor Unit				
Dimension (HxWxD)	mm	275 x 790 x 218	275 x 790 x 218	298 x 998 x 220
Weight	KG	10	10	12
Sound pressure (h/l)	dB(A)	39/26	41/31	53/40
Power consumption	kW	0.85	1.25	2.34
Airflow volume	L/s	169	181	333
Humidity capacity	l/h	1.20	2.00	2.70
Outdoor Unit				
Dimension (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	690 x 880 x 310
Weight	kg	30	37	58
Sound pressure	dB(A)	47	51	57
Liquid	mm	6.35	6.35	6.35
Gas	mm	9.52	12.70	15.88
Maximum pipe length	m	10	15	20
Maximum pipe height	m	5	6	8
Usable outdoor temp	Cooling, °C	15 ~ 43	15 ~ 43	21 ~ 43
Chargeless pipe length	m	10	15	15
Power supply	V/ph/Hz	240/1/50	240/1/50	240/1/50



† R410A

† HI-POWER



- † Anti-mould Filter
- † Washable Panel
- † 5 Step Louvre Position
- † Wide Angle Louvre
- † Hi-Power (Cool Only)
- † One Touch Auto
- † Eco Mode
- † Real Time Clock
- † One Touch Timer
- † Auto Diagnostics

# Console / Under Ceiling Inverter residential



## Features

The stylish XT-series console and ceiling-suspended units bring a touch of luxury to your life. They incorporate the latest Toshiba technology and are ideal for residential applications, offices and shops. The same unit can be used for low-wall or ceiling-suspended mounting, without modification, offering great flexibility in many applications.

## Key features

Flexible for both low-wall and ceiling-suspended installations.

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Efficient Zeolite Plus filtration systems. DC Twin Rotary Compressor.

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Ahead of the class: "Hi-Power" - reaches set-point temperature faster.

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Light, compact and attractive design.

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Fresh air intake facility at the back of the unit.

## Technical specifications reverse cycle

Outdoor unit		RAV-SM562AT-E	RAV-SM802AT-E
Indoor unit		RAV-SM562XT-E	RAV-SM802XT-E
Cooling capacity rated (range)	CO kW	5.00	6.70
Cooling range (min ~ max)	CO kW	1.50 ~ 5.60	2.20 ~ 8.00
Power input (min ~ rated ~ max)	CO kW	0.40 ~ 1.74 ~ 1.86	0.50 ~ 2.72 ~ 2.85
Operating Current (max)	CO A	8.82	12.63
COP (min ~ rated ~ max)	CO	2.72 ~ 2.67 ~ 2.78	4.40 ~ 2.46 ~ 2.81
Heating capacity	RC kW	5.60	8.00
Cooling range (min ~ max)	RC kW	1.50 ~ 6.30	2.20 ~ 9.00
Power input (min ~ rated ~ max)	RC kW	0.40 ~ 1.70 ~ 2.40	0.55 ~ 2.67 ~ 3.46
Operating current (max)	RC A	10.53	15.11
COP (min ~ rated ~ max)	RC	2.73 ~ 3.29 ~ 2.63	4.00 ~ 3.00 ~ 2.60
<b>Indoor Unit</b>			
Dimension (HxWxD)	mm	208 x 1093 x 633	208 x 1093 x 633
Weight	kg	23	23
Sound pressure (h/l)	dB(A)	43 ~ 36	46 ~ 37
Airflow volume (h/l)	l/s	233	308
<b>Outdoor Unit</b>			
Dimension (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290
Weight	kg	38	42
Sound pressure (h/l)	CO dB(A)	48	50
Sound Pressure (h/l)	RC dB(A)	46	48
Liquid	mm	6.35	9.52
Gas	mm	12.70	15.90
Maximum pipe length	m	30	30
Maximum height difference	m	30	30
Chargless pipe length	m	20	20
Operating range	CO °C	-5 ~ 43	-5 ~ 43
Operating range	RC °C	-10 ~ 24	-10 ~ 24
Compressor type inverter		DC Twin Rotary	DC Twin Rotary
Power Supply	V/ph/Hz	240/1/50	240/1/50

**TOSHIBA**  
AIR CONDITIONING  
Inventor of the Inverter

Notice: Toshiba is committed to continuously improving its products, 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. Part number 60509 Date: December 2006 Equipment rated in accordance with MEPS AS 3823.3 - 2006 E&OE

Toshiba Air Conditioning (Australia)  
Sales: 1800 770 127 Service: 1300 888 815  
34-40 Garden Boulevard Dingley Vic 3172  
ABN 81 000 024 742

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