Better air
The new era in air conditioning

Notice: Toshiba’s 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 are subject to change without prior notice.

2011 CAT-TCTC-R410A & CONSOLE

Split Systems
Toshiba Air Conditioning, we care about better air

Our products comply with RoHS regulations, which ensures the exclusion of restricted substances in the materials of every single component.

By using plastic that can be recycled, we aim to minimise the impact of waste electrical goods on the environment.

Increased cost savings have been made by using digital technology. This can provide superior control and cost efficiency by utilising a DC inverter compressor as opposed to a AC fixed speed compressor. This environmentally sustainable DC compressor results in a power saving of up to 50%* with the added benefit of super-accurate rotation and quieter operation.

*13k Inverter vs. fixed-speed class A product

Better air
The new era in air conditioning

Clearing the air for generations to come

As human activities accelerate climatic change, scientists foresee limits to how much damage the ecology can take. Sustainable solutions require stronger commitment.

Toshiba is making a positive difference in a big way. We take initiatives with innovators in academia, industry and government to think bigger, act bolder and move faster towards more sustainable solutions.
Toshiba has been studying, designing and creating innovative air conditioning systems for more than 30 years and as a result has always offered high performance.

Quality has always been Toshiba’s strength and will remain the trademark that will differentiate Toshiba air conditioners.

Toshiba’s advanced air conditioners all perform with efficiency. A wide product range with a high ranking in energy labelling will meet all your air conditioning needs.

Less energy consumption means more savings in electricity costs for you.
This 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 long stable conditions.

Toshiba was the first company to incorporate inverter technology into air conditioning systems in 1981 and since then it has always maintained a technological advantage.

The development of the exclusive **DC Hybrid Inverter** system has reaffirmed this ability to innovate and maintain technological leadership in a fast-growing market.

For Toshiba, also innovation means a strong commitment to international institutions that carefully evaluate the impact of new technologies on our environment.

Toshiba combines technological development with care for future generations – the result is a range of **energy-efficient air conditioners** reducing greenhouse gas emission at the source.

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**DC Twin-Rotary Compressor**

**A wide range of efficiency is realised**

This 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 long stable conditions.

**High efficiency**

Rotating 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.

**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.
**Toshiba DC Hybrid Inverter**

A new dimension in efficient performance

The Hybrid Inverter features **PAM** (Pulse Amplitude Modulation) and **PWM** (Pulse Width Modulation).

**Unique hybrid design**

- **PAM** works like a turbo engine in a car. It will set the compressor at maximum power, providing fast cooling in order to achieve the desired room temperature when the air conditioner is switched on.
- **PWM** helps to balance the compressor speed revolution, either high speed when providing fast cooling or slow speed when maintaining room temperature. So, like cruise control in a car, it results in significantly less energy consumption.

**TOSHIBA DC Hybrid Inverter**

- Superior power and precise control for maximum comfort and energy saving.
- **PAM** drives high power to ensure the fast achievement of the set temperature.

**Benefits of the Toshiba DC Hybrid Inverter system**

**Energy saving**

Digital technology provides superior control and cost efficiency with the DC Inverter compressor when compared to AC Fixed Speed compressors. Super-accurate rotation of an environmentally sustainable compressor results in power savings of up to 50%* and quieter operation.

**Comfort**

Toshiba’s DC Hybrid Inverter uses a Twin Rotary compressor**, which ensures a steadier rotation therefore reducing the unwanted vibration sound.

**High power**

PAM drives high power to ensure the fast achievement of the set temperature.

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* 13k Inverter vs. Fixed-Speed class A product
**16-24SAV Series
We spend a great deal of time in air conditioned rooms, either in the office or at home. "Clean airflow" means you can breathe with greater confidence.

It simply refreshes you in a natural way.

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

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.

Your health is our main concern

We spend a great deal of time in air conditioned rooms, either in the office or at home. "Clean airflow" means you can breathe with greater confidence.

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.

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.

Techology for health

Toshiba IAQ* filter

Anti Virus^ and Anti Bacteria**

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

• Anti bacteria : destroys most bacteria
• Deodorising 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)

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The Toshiba remote control is as carefully designed as the rest of the system. Frequently used buttons are placed at the top, while feature buttons are laid out in user-friendly zones.

**Complete Control Features**

The Toshiba remote control is as carefully designed as the rest of the system. Frequently used buttons are placed at the top, while feature buttons are laid out in user-friendly zones.

**Hi Power**

Hi Power mode makes your room cool faster and is also quiet when operating.

When you come home after a hot day, just press the "Hi-POWER" button. Toshiba’s extra airflow rapidly delivers extra cooling throughout the room without making undesired noise.

**Efficient Airflow**

Now 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.

**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.

**Super Quiet**

Silence is bliss. That’s why Toshiba air conditioners are designed with the latest in anti-noise technology. When in QUIET Mode, the unit operates 3dB quieter with a super low fan speed. By pressing the QUIET button, the air conditioner starts the following operation:

- The fan speed is changed to super low.
- The quiet sign appears on the LCD of the remote control. This keeps your home peaceful and serene.

**One Touch My Comfort**

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

**Comfort Sleep**

When using the convenient Comfort Sleep button, your air conditioning system will compensate for naturally lower night air temperatures so that you can sleep in complete comfort.

**Real Time on-off**

We design real time on-off feature, which sets program settings to repeat every 24 hours.

**Eco-Logic**

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

The temperature is raised by 1°C after 1 hour and another degree after 2 hours, which will be maintained until switching off.

The temperature is lowered by 1°C after 1 hour and another degree after 2 hours, which will be maintained until switching off.

**Power Select**

The POWER SEL* button, gives you the freedom to control the power consumption of the air conditioner from a remote control by preventing high power operation. It helps you when you would like to avoid electricity black outs, need electricity for other appliances and to save electricity.

* Applicable for 10-16SKVP2
**TOSHIBA AIR CONDITIONING**

--- Simline design
--- Extremely quiet operation
--- High efficiency in cooling & heating

<table>
<thead>
<tr>
<th>Specifications</th>
<th>HEAT PUMP</th>
<th>Standard type</th>
<th>RAS-10SAVP2-A</th>
<th>RAS-13SAVP2-A</th>
<th>RAS-16SAVP2-A</th>
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<tr>
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<td>kW</td>
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<td>DC Twin Rotary</td>
<td>DC Twin Rotary</td>
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<td>Maximum Piping Height difference</td>
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**Outdoor Unit**

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<th>RAS-10SAVR-A</th>
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<th>RAS-16SAV2-A</th>
<th>RAS-18SAV2-A</th>
<th>RAS-22SAV2-A1</th>
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<tr>
<td>Control Capacity - Rated</td>
<td>kW</td>
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<td>3.4</td>
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<tr>
<td>Heating Capacity - Range</td>
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<td>2.0-4.6</td>
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<tr>
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</table>

**Inverter**

**Hi-wall Single Split System**

* The specification may be subject to change without notice for purpose of improvement. Conditions (Cool): Indoor Air Temperature 27 oC Db, 19 oC Wb.
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Date: September 2012
E&OE