What new Daiseikai stands for:

**DAI** for BIG energy savings
- A coefficient of performance (COP) of 4.51* achieves world-class energy savings.
- R410A refrigerant is used to protect the atmospheric ozone layer.
- A twin rotary DC compressor ensures economic operation.

**SEI** for PURE AIR all day long
- Negative ions recreate the refreshing touch of Mother Nature.
- Air is purified in all operation modes.
- Compact outdoor unit

**KAI** for COMFORT all year round
- A 3-stage air purification system is employed.

Big energy savings, pure air and comfort in your living space succinctly define the requirements that an air-conditioning system must satisfy. Toshiba has applied its expertise to create the new Daiseikai system that meets these requirements with even greater sophistication and efficiency than ever before.

Top priority has been given to providing the best air quality for an indoor environment, enabling the new Daiseikai system to deliver the optimum level of air-conditioned comfort.
**DAI**  
**Big energy savings**

World-class COP of 4.51* for big energy savings

*Figure 1: A typical high COP unit.

**Incomparable twin rotary DC compressor**

Toshiba's technological mastery has produced an inverter-controlled DC compressor that will best create a comfortable space with the minimum use of energy.

The compressor in a fixed-speed air conditioner shuts down once the room temperature has reached the setting, only to start up again when the room temperature changes. This repeated on/off operation of the compressor results in significant changes to the room temperature and higher running costs.

In stark contrast, Toshiba's DC inverter technology uses the maximum effect of the upper and lower limits of the inverter frequency to reduce the power consumption when the air conditioner starts up and when its operation has stabilized. The result is a coefficient of performance (COP) of 4.51 which is among the highest class in the world.

**Remarkable Energy Efficiency Ratio (EER) / Coefficient of Performance (COP)**

**Twin rotary DC compressor**

The compressor maintains high efficiency at low speed to minimize energy requirements for longer and stable operation.

**Inverter**

Greater motor efficiency from improved coil design

**Conventional type**

Continuous, stable operation  
Minimal fluctuation in temperature

**R410A refrigerant used**

The Daisekai uses the R410A refrigerant with its zero ozone layer depletion coefficient. Not only does the R410A refrigerant have a zero ozone layer depletion coefficient, but it is also non-flammable, non-toxic and extremely efficient. An ozone layer depletion coefficient of zero has become absolutely essential for an advanced air conditioning system.
Pure air all day long

Three-stage air purification system

Stage 1
The catechin air filter removes both large and microscopically small dust particles from the air.

Stage 2
The Plasma Pure filter with its two-stage electric air purifier collects the dust, pollen and other 0.01-micron particles, and also eliminates odor components in the 0.001-micron range.

Stage 3
The Zeolite-plus filter absorbs the components of cigarette, kitchen and other odors.

The Zeolite-plus filter
The Zeolite-plus filter in combination with the Plasma Pure filter destroys odors. Thoroughly deodorizes the room

Simultaneously removes the odors of daily living

Rapidly eliminates room odors
- Tobacco smoke
- Garbage smells
- Pet odors
- Toilet odors
- Exhaust gases

Catechin air filter
Removes large solid particles. Catechin composition for powerful mold prevention.

* Catechin, otherwise known as tanin, is an astringent ingredient in green tea that has antibacterial and antifungal properties, as well as odor eliminating effects.

Plasma Pure filter
The Plasma Pure filter absorbs and eliminates pollutants such as dust and pollen particles.

A clean sweep of even microscopic impurities (PM 0.01 microns)

Daiseikai cleanly eliminates odor!
**KAI**

**Comfort all year round**

One of the reasons it is so refreshing, relaxing and reviving to be close to a mountain, lake, river, forest or waterfall is that all of these places abound in negative ions. Toshiba’s Daisekai generates negative ions for a natural environment.

**Air ionizer for relaxation and that feeling of wellbeing**

**Merits of the new air ionizer**

1. It removes the active oxygen species from the air.
2. Its ‘anti-oxidative’ action has a positive effect on the body.
3. It eliminates annoying static electricity.

**Waterfall:**
30,000 ions per cc of air

**Forest:**
2,500 ions per cc of air

**River or lake:**
2,000 to 2,500 ions per cc of air

**Self-cleaning function**

This function inhibits the growth of mold inside the air conditioner.

The self-cleaning operation is designed to reduce moisture that causes mold to form inside the air conditioning unit. This advanced, efficient system reduces moisture in the coils.

When the air conditioner is turned off after cooling or dry operation, the internal fan runs and dries the moisture in the coil, before turning off automatically.

**Easy-to-use remote controller**

- Temperature control
- Power On/Off
- Fan speed
- Sleep timer
- Auto mode
- One-touch preset memory
- Eco mode
- 3-stage fan speed
- Digital display
- Remote control

**Compact and lightweight outdoor units**

**RAS-10EAVP-E**

Small and lightweight Toshiba Daisekai outdoor units are ultra-compact and light in weight for easy and convenient installation.

Conventional: 38 kg

New: 35 kg

**Easily maintained filters**

All filters can be washed in water.

- Wash all the filters in water as soon as the filter check lamp lights, generally after every 1,000 hours of operation.
- Dirty filters will reduce the energy-saving effects and make it impossible for the air conditioner to perform to the best of its ability.
### Technical Specifications

<table>
<thead>
<tr>
<th>Outdoor Unit</th>
<th>RAS-10EAVP-E</th>
<th>RAS-13EAVP-E</th>
<th>RAS-16EAVP-E</th>
</tr>
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<tbody>
<tr>
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**Outdoor Unit**

- **Coating type**: Propeller
- **Air flow**: 380 (1325)
- **Sound pressure level**: 50 (50)
- **Weight**: 36
- **Compressor**: DC fan motor, 120mm
- **Pipe connections**: ID 12.7
- **Gain**: 3.3
- **Liquid**: 1.4
- **Pipe length**: 15m
- **Maximum height difference**: 10m
- **Power supply**: 200-240V, 50Hz

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**Remote Controller**

- **Coating type**: Propeller
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- **Sound pressure level**: 50 (50)
- **Weight**: 36
- **Compressor**: DC fan motor, 120mm
- **Pipe connections**: ID 12.7
- **Gain**: 3.3
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- **Pipe length**: 15m
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- **Power supply**: 200-240V, 50Hz

*Consult our dealer for model suitability in a highly saline or coastal environment.*
The luxurious Daiseikai with its air purifying and ionizing system can be used in a combined 2-room system.

**Europe / South Pacific**

**Outdoor Unit**

<table>
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<th>Cooling-only</th>
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<td>RAS-M14EAV-E</td>
<td>RAS-M16EACVE</td>
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<td>RAS-M18EAV-E</td>
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**Indoor Units**

- RAS-B?EVEP-E
- RAS-M?EKCVP-E

**Technical Specifications**

**Cooling-only**

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<tr>
<th>Outdoor unit, high-wall type (RAS-MKCP-E)</th>
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<th>Outdoor unit, ceiling type (RAS-MKCP-E)</th>
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**Combination Ratings**

2-room multisplit (Cooling, 230V)


**Outdoor units:**

- RAS-H18EAVC-E

**Performance data**

<table>
<thead>
<tr>
<th>1/2</th>
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