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 are subject to change without prior notice.
Toshiba can help you create a comfortable office while also caring for the environment.
Cost Saving

An efficient use of time

Comfort

Very efficient energy consumption
⇒ Keeps down operating costs

Heater operation is possible starting from an outdoor temperature of –20°C (RAV-SP1104AT-E, -SP1404AT-E)
⇒ Creates a comfortable space even during cold winters

Low-noise design. If the outdoor temperature is 30°C or less, operates at under 45 dB

Pipes can be reused (RAV-SP1104AT-E, -SP1404AT-E)

Compatible with pipes up to 75 meters long (RAV-SP1104AT-E, -SP1404AT-E)
⇒ Enables the outdoor unit to be installed out of sight
⇒ Increases installation flexibility

Operation in Power Save Mode enables power peaks to be cut

Lightweight and compact outdoor unit
⇒ Reduces installation space and enables a more efficient use of the site
⇒ Keeps down delivery costs
⇒ Easy to install on a wall

Pipes can be reused
Comfort

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SDI
Super Digital Inverter

Lightweight and compact outdoor unit
⇒ Reduces installation space and enables a more efficient use of the site
⇒ Keeps down delivery costs
⇒ Easy to install on a wall

Pipes can be reused
Not only are operating costs minimised, but carbon emissions are cut, helping in the fight against global warming.

New SDI Series 4

New Models with Enhanced Energy Efficiency
(RAV-SP1104AT-E, -SP1404AT-E)

Has excellent efficiency, not only under rated EER conditions, but also during partial load, which is the larger part of actual operating conditions.

In addition to achieving a top ranking during 100% load (rated) conditions...

For most of the year, the air conditioner (cooler) operates while the outdoor temperature is less than 30°C. At this time, the air conditioner load is approximately 50%, and at this level the EER is significantly greater than during rated conditions. This indicates energy efficiency in a way that cannot be expressed using just the rated energy consumption rate.

To compare operating efficiency under low load operating conditions, field tests were performed where the outdoor temperature was approximately 24°C. This is about the same as when the air conditioning is set to room temperature. Measurements were taken that demonstrated that the energy consumption of the new model was 30% less than the current model (equivalent to the areas enclosed by the energy consumption curves along the time axis).
Not only are operating costs minimised, but carbon emissions are cut, helping in the fight against global warming.

### New SDI Series 4

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For most of the year, the air conditioner (cooler) operates while the outdoor temperature is less than 30°C. At this time, the air conditioner load is approximately 50%, and at this level the EER is significantly greater than during rated conditions. This indicates energy efficiency in a way that cannot be expressed using just the rated energy consumption rate.

**10 rps Operation Verification Test**

To compare operating efficiency under low load operating conditions, field tests were performed where the outdoor temperature was approximately 24°C. This is about the same as when the air conditioning is set to room temperature. Measurements were taken that demonstrated that the energy consumption of the new model was 30% less than the current model (equivalent to the areas enclosed by the energy consumption curves along the time axis).

**Equipment with a newly developed eco-driving DC twin rotary compressor**

A low minimum speed of 10 rps has been achieved. This has further improved the operating efficiency when the load is low (the minimum in Series 2 was 15 rps).

The structure and shape of each compressor component has been optimised. The area of the rotor magnet has been increased and a slit introduced to the design. These improvements have further enhanced efficiency and reduced noise.
### SDI series

<table>
<thead>
<tr>
<th>Type</th>
<th>2HP</th>
<th>3HP</th>
<th>4HP</th>
<th>5HP</th>
</tr>
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<tbody>
<tr>
<td>Compact 4-way</td>
<td>RAV-SM562AT-E</td>
<td>RAV-SP902AT-E</td>
<td>RAV-SP1104AT-E</td>
<td>RAV-SP1140AT-E</td>
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<tr>
<td>Duct Type</td>
<td>RAV-SM564UT-E</td>
<td>RAV-SM804UT-E</td>
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<td>RAV-SM1404UT-E</td>
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<td>Ceiling Type</td>
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### DI series

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<td>RAV-SM1402CT-E</td>
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<td>RAV-SM562KRT-E</td>
<td>RAV-SM802KRT-E</td>
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</table>

### Available Indoor Units

- **2HP**
- **3HP**
- **4HP**
- **5HP**
### SDI series

<table>
<thead>
<tr>
<th>Type</th>
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<th>4HP</th>
<th>5HP</th>
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<tbody>
<tr>
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<td>RAV-SM62AT-E</td>
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<td>RAV-SM104AT-E</td>
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<td>Duct Type</td>
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<td>RAV-SM804UT-E</td>
<td>RAV-SM1104UT-E</td>
<td>RAV-SM1404UT-E</td>
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<tr>
<td>Ceiling Type</td>
<td>RAV-SM62CT-E</td>
<td>RAV-SM802CT-E</td>
<td>RAV-SM1102CT-E</td>
<td>RAV-SM1402CT-E</td>
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<tr>
<td>High-wall Type</td>
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<td>RAV-SM802KRT-E</td>
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### DI series

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<td>RAV-SM1103AT-E</td>
<td>RAV-SM1403AT-E</td>
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<tr>
<td>Duct Type</td>
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<td>RAV-SM802BT-E</td>
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<td>RAV-SM1402CT-E</td>
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<tr>
<td>High-wall Type</td>
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<td>RAV-SM802KRT-E</td>
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<td>RAV-SM1402KRT-E</td>
</tr>
</tbody>
</table>
**Compact 4-way Cassette Type**

**Perfect for grid system ceiling**

1. This compact unit (575x575) fits perfectly into ceilings and matches standard architectural modules, without the need to cut ceiling tiles.
2. The compact & stylish panel design is ideal for fashionable restaurants, shops and offices.
3. The flaps fold tightly against the ceiling when operation stops so that the ceiling is affected only slightly even if air-conditioning is installed.

**Designed for simple & easy installation and maintenance**

1. The slim design is only 268 mm in height even when an electrical box is located inside the unit.
2. Easy access to electrical box is achieved by simply removing the electrical box.
3. Easy installation can also be achieved using the panel adjust pocket.
4. The drain up height is 850 mm. Correspondence is possible even if installation conditions are severe.
5. Available for ceilings up to 3.5 m.
6. The drain-checking hole makes it possible to check the drain pan through the side case.

**Comfort**

- **Inverter**
  - **SDI**
  - **Twin SDI**
- **Twin DI**
  - **SDI**
  - **Twin DI**

**Operativity**

- **Filter Sign**
  - Automatic displays on thin remote control to indicate maintenance for the filter unit.
- **Limit Time**
  - Helps in controlling time with thin remote control: "OFF timer" and "Repeat OFF timer".

**Installation**

- **Cooler Compatible with an Outdoor**
  - **Unit**
- **Stable cooler operation**
  - Possible when internal temperature is -15°C.

**Specifications**

<table>
<thead>
<tr>
<th>Indoor unit</th>
<th>SDI</th>
<th>Twin SDI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling capacity kW</td>
<td>5.6</td>
<td>10.0</td>
</tr>
<tr>
<td>Heating capacity kW</td>
<td>5.6</td>
<td>11.2</td>
</tr>
<tr>
<td>Power input, cooling kW</td>
<td>1.6</td>
<td>3.1</td>
</tr>
<tr>
<td>Power input, heating kW</td>
<td>1.6</td>
<td>3.0</td>
</tr>
<tr>
<td>Energy efficiency class, cooling AA</td>
<td>3.27</td>
<td>3.75</td>
</tr>
<tr>
<td>Energy efficiency class, heating AA</td>
<td>3.48</td>
<td>3.57</td>
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<tr>
<td>Energy efficiency class, heating BB</td>
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<tr>
<th>Outdoor unit</th>
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<tbody>
<tr>
<td>Cooling capacity kW</td>
<td>5.6</td>
<td>10.0</td>
</tr>
<tr>
<td>Heating capacity kW</td>
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</tr>
<tr>
<td>Energy efficiency class, heating BB</td>
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<td>3.65</td>
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</table>

**Dimensions (HxWxD) mm**

<table>
<thead>
<tr>
<th>Indoor unit</th>
<th>SDI</th>
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<tbody>
<tr>
<td>RAV-SM562MUT-E</td>
<td>575</td>
<td>575</td>
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<tr>
<td>RAV-SM563AT-E</td>
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**Sound power level (H-M-L) dB(A)**

<table>
<thead>
<tr>
<th>Indoor unit</th>
<th>SDI</th>
<th>Twin SDI</th>
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<tbody>
<tr>
<td>RAV-SM562MUT-E</td>
<td>65/63</td>
<td>65/63</td>
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<tr>
<td>RAV-SM563AT-E</td>
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**Sound pressure level (H-M-L) dB(A)**

<table>
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<tr>
<th>Indoor unit</th>
<th>SDI</th>
<th>Twin SDI</th>
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<td>RAV-SM563AT-E</td>
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**Energy efficiency class, heating**

<table>
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<tr>
<th>Indoor unit</th>
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<tbody>
<tr>
<td>AA</td>
<td>3.27</td>
<td>3.75</td>
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<tr>
<td>BB</td>
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<td>3.57</td>
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**Energy efficiency class, cooling**

<table>
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<tr>
<th>Indoor unit</th>
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</thead>
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<tr>
<td>AA</td>
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<td>3.75</td>
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<td>BC</td>
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**Power supply V-ph-Hz**

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<td>220/240-1-50</td>
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<td>RAV-SM563AT-E</td>
<td>220/240-1-50</td>
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**Refrigerant type**

<table>
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<th>Twin SDI</th>
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</thead>
<tbody>
<tr>
<td>SDI Twin SDI</td>
<td>R410A</td>
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</tr>
<tr>
<td>DI Twin DI</td>
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<td>R410A</td>
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**Compressor type**

<table>
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<tr>
<td>DI Twin DI</td>
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**Weight kg**

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<tbody>
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<tr>
<td>RAV-SM563AT-E</td>
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**Dimensions (HxWxD) mm**

<table>
<thead>
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<th>Indoor unit</th>
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**Sound pressure level, heating/cooling dB(A)**

<table>
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**Sound pressure level, heating/cooling dB(A)**

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**Operating range, cooling**

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**Maximum height difference m**

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**Pipe connections (Gas/Liquid) mm**

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**Refrigerant type**

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<tbody>
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<tr>
<td>DI Twin DI</td>
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**Weight kg**

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<tr>
<td>DI Twin DI</td>
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Comfort Operativity Installation

### Perfect for grid system ceiling

1. This compact unit (575x575mm) fits perfectly into ceilings and matches standard architectural modules, without the need to cut ceiling tiles.
2. The compact & stylish panel design is ideal for fashionable restaurants, shops and offices.
3. The flaps fold tightly against the ceiling when operation stops so that the ceiling is affected only slightly even if air-conditioning is installed.

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5. Available for ceilings up to 3.5 m.
6. The drain-checking hole makes it possible to check the drain pan through the side case.

---

**Model**
RAV-SM562MUT-E

**Panel**
RBC-UM11PG(W)-E

### Drain-checking hole

Available up to 3.5 m.

---

**Compressor type**
DC Twin Rotary

**Weight**
38 kg

---

**Outdoor unit**
RAV-SP562AT-E

**Sound pressure level, heating/cooling dB(A)**
64/63

**Sound power level, heating/cooling dB(A)**
78/74

**Dimensions (HxWxD) mm**
575 × 795 × 320

**Refrigerant type**
R410A

**Pipe connections Gas/Liquid mm**
G1/2"/G1/4"

**Compressor type**
DC Twin Rotary

**Weight**
55 kg

---

**Outdoor unit**
RAV-SP1104AT-E

**Sound pressure level, heating/cooling dB(A)**
65/63

**Sound power level, heating/cooling dB(A)**
80/77

**Dimensions (HxWxD) mm**
575 × 780 × 320

**Refrigerant type**
R410A

**Pipe connections Gas/Liquid mm**
G1/2"/G1/4"

**Compressor type**
DC Twin Rotary

**Weight**
80 kg

---

**Outdoor unit**
RAV-SP1103AT-E

**Sound pressure level, heating/cooling dB(A)**
70/68

**Sound power level, heating/cooling dB(A)**
83/81

**Dimensions (HxWxD) mm**
575 × 780 × 320

**Refrigerant type**
R410A

**Pipe connections Gas/Liquid mm**
G1/2"/G1/4"

**Compressor type**
DC Twin Rotary

**Weight**
95 kg

---

**Outdoor unit**
RAV-SP1102AT-E

**Sound pressure level, heating/cooling dB(A)**
75/73

**Sound power level, heating/cooling dB(A)**
86/84

**Dimensions (HxWxD) mm**
575 × 780 × 320

**Refrigerant type**
R410A

**Pipe connections Gas/Liquid mm**
G1/2"/G1/4"

**Compressor type**
DC Twin Rotary

**Weight**
105 kg

---

**Outdoor unit**
RAV-SP1101AT-E

**Sound pressure level, heating/cooling dB(A)**
80/78

**Sound power level, heating/cooling dB(A)**
93/91

**Dimensions (HxWxD) mm**
575 × 780 × 320

**Refrigerant type**
R410A

**Pipe connections Gas/Liquid mm**
G1/2"/G1/4"

**Compressor type**
DC Twin Rotary

**Weight**
115 kg

---

**Outdoor unit**
RAV-SP1100AT-E

**Sound pressure level, heating/cooling dB(A)**
85/83

**Sound power level, heating/cooling dB(A)**
98/96

**Dimensions (HxWxD) mm**
575 × 780 × 320

**Refrigerant type**
R410A

**Pipe connections Gas/Liquid mm**
G1/2"/G1/4"

**Compressor type**
DC Twin Rotary

**Weight**
125 kg

---

**Outdoor unit**
RAV-SP1099AT-E

**Sound pressure level, heating/cooling dB(A)**
90/88

**Sound power level, heating/cooling dB(A)**
103/101

**Dimensions (HxWxD) mm**
575 × 780 × 320

**Refrigerant type**
R410A

**Pipe connections Gas/Liquid mm**
G1/2"/G1/4"

**Compressor type**
DC Twin Rotary

**Weight**
135 kg

---

**Outdoor unit**
RAV-SP1098AT-E

**Sound pressure level, heating/cooling dB(A)**
95/93

**Sound power level, heating/cooling dB(A)**
118/116

**Dimensions (HxWxD) mm**
575 × 780 × 320

**Refrigerant type**
R410A

**Pipe connections Gas/Liquid mm**
G1/2"/G1/4"

**Compressor type**
DC Twin Rotary

**Weight**
145 kg
### 4-way Cassette Type

#### Temperature conditioning

**RAV-SM564UT-E/RBC-U31PG-E**

#### Models
- RAV-SM564UT-E
- RAV-SMB580UT-E
- RAV-SM1104UT-E
- RAV-SM1404UT-E

#### Panels
- RBC-U31PG(W)-E
- RBC-U31PGS(W)-E

#### Wireless remote controller kit
- RBC-AX31U(W)-E

### Individual Louvre Control

The angles of each of the four louvres can be set individually to maximize comfort and energy efficiency.

#### Easy installation

The panel is attached using the bolt that is already installed on the indoor unit.

### Comfort

- **Remote Controller**
  - Provides easy operation of the air conditioner with remote control.
- **Individual remote control**
  - Enables users to control the air conditioner as per their preferences.
- **High Airflow Louvres**
  - The louvres provide airflow in a manner that maximizes comfort and efficiency.

### Operativity

- **Simple Installation**
  - Easy installation process aids in quick setup.
- **Automatic Cooling/Heating**
  - Enables automatic cooling and heating based on indoor temperature.

### Installation

- **Compact design**
  - The compact design ensures minimal space usage.
- **Built-in Drain Pump**
  - A built-in drain pump prevents water accumulation.

### Temperature Conditioning

**RAV-SM564UT-E/RBC-U31PG-E**

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Cooling capacity</td>
<td>kW</td>
<td>2.2</td>
<td>2.2</td>
<td>3.2</td>
</tr>
<tr>
<td>Heating capacity</td>
<td>kW</td>
<td>12.5</td>
<td>12.5</td>
<td>15.0</td>
</tr>
<tr>
<td>Fan speed</td>
<td></td>
<td>Hi</td>
<td>Lo</td>
<td>Hi</td>
</tr>
<tr>
<td>Louvre position</td>
<td></td>
<td>Horizontal</td>
<td>Vertical</td>
<td>Horizontal</td>
</tr>
</tbody>
</table>

#### Fan Speeds and Louvre Positions

- **Hi**
  - Higher airflow for cooling.
- **Lo**
  - Lower airflow for heating.
- **Horizontal**
  - Louvres are horizontal.
- **Vertical**
  - Louvres are vertical.

### Related Specifications

- **Dimensions (HxWxD) mm**
  - Indoor unit: 256, 320, 795
  - Outdoor unit: 950, 320, 795

- **Sound Power Level (H-M-L) dB(A)**
  - Indoor unit: 47-44-43, 50-46-43
  - Outdoor unit: 65/63, 67/65

### Energy Efficiency Class

- **Heating capacity, min-max kW**
  - Indoor unit: 1.5-6.3, 1.5-9.0
  - Outdoor unit: 2.2-7.1, 2.2-10.0

### Energy Efficiency: Heating and Cooling

- **COP W/W**
  - Indoor unit: 3.89, 3.62, 3.82
  - Outdoor unit: 4.67, 3.94, 4.79

- **Annual energy consumption kWh**
  - Indoor unit: 765, 965, 1105
  - Outdoor unit: 840, 1050, 1260
Comfort
- Long-life filter
- Individually variable operation
- Night mode operation
- Even air distribution
- Quiet operation
- Localizable cooling
- Auto-swing
- Auto-fan speed change
- Auto-start
- Auto-standby
- Auto-fan speed control
- 4-way Cassette Type

Easy installation
- The panel is attached using the bolt that is already installed on the indoor unit.

Indoor Unit

<table>
<thead>
<tr>
<th>Models</th>
<th>RAV-SM64UT-E</th>
<th>RAV-SMB004U(W)-E</th>
<th>RAV-SMB104U(E)</th>
<th>RAV-SMB1404U-E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel</td>
<td>RAV-U31PG(E)</td>
<td>RAV-U31PGWS(E)</td>
<td>RAV-U31PG(E)</td>
<td>RAV-U31PG(E)</td>
</tr>
<tr>
<td>Wireless remote controller kit</td>
<td>RBC-AX31U(W)-E</td>
<td>RBC-U31PG(W)-E</td>
<td>RBC-U31PGWS(E)</td>
<td>RBC-U31PGWS(E)</td>
</tr>
</tbody>
</table>

Temperature conditioning

RAV-SM64UT-E/RBC-U31PG-E

<table>
<thead>
<tr>
<th>Vertical face</th>
<th>2,050 mm</th>
<th>4,500 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Louvre position</td>
<td>Horizontal</td>
<td>Incline</td>
</tr>
</tbody>
</table>

Individual Louvre Control

The angles of each of the four louvres can be set individually.
- Enables airflow to be chosen according to user preferences.

Easy installation

The panel is attached using the bolt that is already installed on the indoor unit.

<table>
<thead>
<tr>
<th>Power supply</th>
<th>200/240-1-50</th>
<th>200/240-1-50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (HxWxD) mm</td>
<td>780 × 320 × 1340</td>
<td>780 × 320 × 1340</td>
</tr>
<tr>
<td>Weight kg</td>
<td>4.2</td>
<td>4.2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power input, cooling kW</th>
<th>1.65</th>
<th>2.09</th>
<th>3.11</th>
<th>3.74</th>
<th>3.11</th>
<th>4.09</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling capacity kW</td>
<td>5.3</td>
<td>6.7</td>
<td>10.0</td>
<td>12.5</td>
<td>10.0</td>
<td>12.5</td>
</tr>
<tr>
<td>Cooling capacity, min-max kW</td>
<td>1.5-5.6</td>
<td>1.5-8.0</td>
<td>3.0-11.2</td>
<td>3.0-13.2</td>
<td>3.0-11.2</td>
<td>3.0-13.2</td>
</tr>
<tr>
<td>Energy efficiency class, cooling</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>B</td>
</tr>
<tr>
<td>COP W/W</td>
<td>3.46</td>
<td>3.62</td>
<td>3.82</td>
<td>3.68</td>
<td>3.82</td>
<td>3.50</td>
</tr>
<tr>
<td>Percent energy consumption</td>
<td>25.6%</td>
<td>24.7%</td>
<td>25.7%</td>
<td>24.6%</td>
<td>25.5%</td>
<td>25.8%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power input, heating kW</th>
<th>1.44</th>
<th>2.21</th>
<th>2.93</th>
<th>3.80</th>
<th>2.93</th>
<th>4.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating capacity kW</td>
<td>5.6</td>
<td>8.0</td>
<td>11.2</td>
<td>14.0</td>
<td>11.2</td>
<td>14.0</td>
</tr>
<tr>
<td>Energy efficiency class, heating</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>B</td>
<td>B</td>
</tr>
<tr>
<td>EER W/W</td>
<td>3.89</td>
<td>3.62</td>
<td>3.82</td>
<td>3.68</td>
<td>3.82</td>
<td>3.50</td>
</tr>
</tbody>
</table>

Notes:
- Need to set from wired remote controller.
- Standard swing, opposite swing, turn-around swing.
- Note: Need to set from wired remote controller.
- Gas/Liquid: 12.7/6.4 mm.
Comfort Operativity Installation

Models
RAV-SM562BT-E
RAV-SM802BT-E
RAV-SM1102BT-E
RAV-SM1402BT-E

Wide range of applications

The use of ducts allows air outlets to be conveniently installed anywhere on the ceiling, eliminating the conspicuous presence of the air conditioner in the center of the room. Not only can this be applied to a wide variety of layouts from narrow spaces to polygonal rooms; it also greatly improves the aesthetics of a room with its unobtrusive presence.

RAV-SM562BT-E
RAV-SM802BT-E
RAV-SM1102BT-E
RAV-SM1402BT-E

High static pressure

External static pressure can be raised as high as 98 Pa, so that all areas of the room can be reached for even temperature distribution, no matter how complex the layout.

High-lift drain pump

The flexible piping layout is made possible by an optionally available drain-pump kit that raises the drain piping up to 27 cm from the drain port.

RAV-SM562BT-E
RAV-SM802BT-E
RAV-SM1102BT-E
RAV-SM1402BT-E

Duct Type

Versatile and Clever

Duct Type

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Comfort Operativity Installation

**Wide range of applications**

The use of ducts allows air outlets to be conveniently installed anywhere on the ceiling, eliminating the conspicuous presence of the air conditioner in the center of the room. Not only can this be applied to a wide variety of layouts from narrow spaces to polygonal rooms; it also greatly improves the aesthetics of a room with its unobtrusive presence.

**Models**

- RAV-SM62BT-E
- RAV-SM112BT-E
- RAV-SM142BT-E

**RAV-SM562BT-E**

- RA-SM702BT-E
- RA-SM902BT-E
- RA-SM1102BT-E
- RA-SM1402BT-E

**Designs**

- **Companion Models**
  - RAV-SM62BT-E
  - RAV-SM112BT-E
  - RAV-SM142BT-E
- **Raft Design**
  - RAV-SM562BT-E
  - RAV-SM802BT-E
  - RAV-SM1102BT-E
  - RAV-SM1402BT-E

**High static pressure**

External static pressure can be raised as high as 98 Pa, so that all areas of the room can be reached for even temperature distribution, no matter how complex the layout.

**High-lift drain pump**

The flexible piping layout is made possible by an optionally available drain-pump kit that raises the drain piping up to 27 cm from the drain port.

**Polygons, narrow rooms, rooms with fixtures and obstacles**

- **Polygonal rooms**
  - RAV-SM62BT-E
  - RAV-SM112BT-E
  - RAV-SM142BT-E
- **Narrow rooms**
  - RAV-SM562BT-E
  - RAV-SM802BT-E
  - RAV-SM1102BT-E
  - RAV-SM1402BT-E
- **Rooms with fixtures and obstacles**
  - RAV-SM562BT-E
  - RAV-SM802BT-E
  - RAV-SM1102BT-E
  - RAV-SM1402BT-E

**Comfort**

- **Filter Sys**
  - Automatic air volume control
  - Built-in long-life filter
  - Built-in drain pump
  - Built-in long-life filter makes maintenance easier. (In the ceiling cassette type, it is built in to the main unit.)

**Operativity**

- **Automatic Cooling/Heating**
  - Automatically switches between high, low room temperature and the set temperature, depending on the difference between the conditioner’s power, which reduces energy consumption. (In the ceiling cassette type, it is built in to the main unit.)
  - Allows step-less regulation of the air volume, easier.

**Installation**

- **Built-in Drain Pump**
  - High-lift drain pump, automatically switches between cooling, defrosting, stops the indoor fan to prevent draughts.

**Duct Type**

**Models**

- RAV-SM62BT-E
- RAV-SM112BT-E
- RAV-SM142BT-E

**Comfort**

- **Filter Sys**
  - Automatic air volume control
  - Built-in long-life filter
  - Built-in drain pump
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**Wide range of applications**

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  - RAV-SM112BT-E
  - RAV-SM142BT-E
  - RAV-SM562BT-E
  - RAV-SM802BT-E
  - RAV-SM1102BT-E
  - RAV-SM1402BT-E

- **Designs**
  - **Companion Models**
    - RAV-SM62BT-E
    - RAV-SM112BT-E
    - RAV-SM142BT-E
  - **Raft Design**
    - RAV-SM562BT-E
    - RAV-SM802BT-E
    - RAV-SM1102BT-E
    - RAV-SM1402BT-E

- **Comfort**
  - **Filter Sys**
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  - RAV-SM62BT-E
  - RAV-SM112BT-E
  - RAV-SM142BT-E
  - RAV-SM562BT-E
  - RAV-SM802BT-E
  - RAV-SM1102BT-E
  - RAV-SM1402BT-E

- **Designs**
  - **Companion Models**
    - RAV-SM62BT-E
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    - RAV-SM562BT-E
    - RAV-SM802BT-E
    - RAV-SM1102BT-E
    - RAV-SM1402BT-E

- **Comfort**
  - **Filter Sys**
    - Automatic air volume control
    - Built-in long-life filter
    - Built-in drain pump
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- **Operativity**
  - **Automatic Cooling/Heating**
    - Automatically switches between cooling, defrosting, stops the indoor fan to prevent draughts.

- **Installation**
  - **Built-in Drain Pump**
    - High-lift drain pump, automatically switches between cooling, defrosting, stops the indoor fan to prevent draughts.
### Comfortable Ambience

#### Quietest in Industry
A new design has been adopted that greatly reduces the noise level to half that of conventional units. Operation is always whisper-quiet.

#### Flap Control
The air flow angle is automatically set to the most suitable setting according to your cooling or heating needs, and an automatic swing mode enables airflow to reach all areas of the room to create a comfortable ambience.

### Installation Efficiency

Suspending the unit from the ceiling saves the trouble of complex installation procedures. It can be suspended simply by adjusting two screws on the intake grill. Compared to conventional units which involve a dozen screws, installation is further simplified.

### Comfort

- **Preset Timer**
  - To perform maintenance for the indoor unit filter.

### Operation

- **Easy-to-Read Panel**
  - Malfunction indicator

- **Auto-Timer Controller**
  - Automatically adjusts the room to create a comfortable room.

### Installation

- **Minimized Sounds**
  - A new design has been adopted that greatly reduces the noise level to half.

### Operation

- **Energy Efficiency Class, Heating**: B, C, B, C, B, C
  - **COP**: 3.41, 3.24, 3.50, 3.38, 3.50, 3.38
  - **Power Input, Heating**: 1.64 kW, 2.47 kW, 3.20 kW, 4.14 kW, 3.20 kW, 4.14 kW
  - **Heating Capacity, Min-Max**: 1.5-6.3 kW, 1.5-9.0 kW, 3.0-12.5 kW, 3.0-16.0 kW, 3.0-12.5 kW, 3.0-16.0 kW
  - **Heating Capacity, kW**: 1.5-14.0 kW, 1.5-24.0 kW, 3.0-36.0 kW, 3.0-48.0 kW, 3.0-36.0 kW, 3.0-48.0 kW
  - **Annual Energy Consumption, kWh**: 910 kWh, 1265 kWh, 1755 kWh, 2260 kWh, 1755 kWh, 2260 kWh

### Specifications

<table>
<thead>
<tr>
<th>Unit</th>
<th>Indoor Type</th>
<th>Outdoor Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>RAV-SM562CT-E</td>
<td>RAV-SM563AT-E</td>
</tr>
<tr>
<td>Model</td>
<td>RAV-SM802CT-E</td>
<td>RAV-SM803AT-E</td>
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<tr>
<td>Model</td>
<td>RAV-SM1102CT-E</td>
<td>RAV-SM1103AT-E</td>
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<tr>
<td>Model</td>
<td>RAV-SM1402CT-E</td>
<td>RAV-SM1403AT-E</td>
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<tr>
<td>Dimensions (HxWxD) mm</td>
<td>210×900×450</td>
<td>795×1340×320</td>
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<td>Weight kg</td>
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<td>93</td>
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<tr>
<td>Power Supply V-ph-Hz</td>
<td>220/240-1-50</td>
<td>220/240-1-50</td>
</tr>
<tr>
<td>Power Input, Heating kW</td>
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<td>Heating Capacity, kW</td>
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<td>Annual Energy Consumption kWh</td>
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### Technical Data

- **Pipe Connections**: Gas/Liquid: 12.7/6.4 mm, 15.9/9.5 mm
- **Refrigerant Type**: R410A
- **Compressor Type**: DC Twin Rotary

### Installation

- **Controller Kit**: RBC-AX22CE2
- **Wireless remote controller kit**: RAV-SM1102CT-E, RAV-SM1402CT-E
Comfort Operativity Installation

### Comfortable Ambiance

A new design has been adopted that greatly reduces the noise level to half that of conventional units. Operation is always whisper-quiet.

### Quietest in Industry

Every corner of the room is cooled or heated even greater comfort.

### Flap Control

In cooling mode, the flap automatically swings between the top three positions.

In heating mode, the flap automatically swings between all five positions.

### Installation Efficiency

Suspending the unit from the ceiling saves the trouble of complex installation procedures. It can be suspended simply by adjusting two screws on the intake grill. Compared to conventional units which involve a dozen screws, installation is further simplified.

### RBC-AX22CE2

- **Controller Kit**
- **Wireless Remote**
- **Models**
  - RAV-SM562CT-E
  - RAV-SM902CT-E
  - RAV-SM1102CT-E
  - RAV-SM1402CT-E

---

### Comfort

- **Inverter**
  - Always stays in the desired temperature, which reduces energy consumption and improves comfort.

- **Auto-Timer License**
  - Can automatically turn on or off at a set time.

- **Automatic Air Flow Control**
  - Adjusts the air flow automatically according to the difference between the room's temperature and the set temperature.

- **Long-life Filter**
  - Lasts up to 3,000 hours and maintains more power.

### Operation

- **Filter Status**
  - Auto diagnosis displays the remote controller's status to perform maintenance for the unit.

- **Limit Timer**
  - After a full time with three modes

  1. "ON timer", "OFF timer" and "Repeat set timer"

### Installation

- **Cooler Compatible with an Outdoor Temperature of -10°C**
  - Coolness operation is possible when the outer temperature is lower than -10°C.

### Specifications

<table>
<thead>
<tr>
<th>Indoor Unit</th>
<th>Twin Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RAV-SM562CT-E</strong></td>
<td><strong>RAV-SM563CT-E</strong></td>
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<tr>
<td><strong>RAV-SM902CT-E</strong></td>
<td><strong>RAV-SM903CT-E</strong></td>
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<td><strong>RAV-SM1102CT-E</strong></td>
<td><strong>RAV-SM1103CT-E</strong></td>
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<td><strong>RAV-SM1402CT-E</strong></td>
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### Table: Specifications

<table>
<thead>
<tr>
<th>Indoor Unit</th>
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<tbody>
<tr>
<td><strong>Model</strong></td>
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<tr>
<td><strong>RAV-SM902CT-E</strong></td>
<td><strong>RAV-SM903CT-E</strong></td>
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### Table: Electrical Specifications

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<td><strong>Model</strong></td>
<td><strong>Model</strong></td>
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<tr>
<td><strong>RAV-SM562CT-E</strong></td>
<td><strong>RAV-SM563CT-E</strong></td>
</tr>
<tr>
<td><strong>RAV-SM902CT-E</strong></td>
<td><strong>RAV-SM903CT-E</strong></td>
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<tr>
<td><strong>RAV-SM1102CT-E</strong></td>
<td><strong>RAV-SM1103CT-E</strong></td>
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### Table: Mechanical Specifications

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<td><strong>Model</strong></td>
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<td><strong>RAV-SM562CT-E</strong></td>
<td><strong>RAV-SM563CT-E</strong></td>
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<td><strong>RAV-SM902CT-E</strong></td>
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<td><strong>RAV-SM1402CT-E</strong></td>
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### Table: Compressor Specifications

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<td><strong>RAV-SM1402CT-E</strong></td>
<td><strong>RAV-SM1403CT-E</strong></td>
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</table>
High-wall Type

Features

With its attractive, slim-line design, this unit is best suited for restaurants and other applications where elegance is required. The filtration system further improves the indoor air quality benefits of this high-wall unit.

Key features

With its slim design, this compact and stylish unit blends into any room setting.


Auto-louvre mode allows optimum air distribution throughout the room.

A wireless controller is included.

A TCC Link remote control is optional.

Inverter

Allows step-less regulation of the air-conditioner’s power, which reduces energy consumption and improves comfort.

Auto-turn Louvres

Air outlet grilles move automatically to fill every corner of the room with warm or cool air.

Automatic Air Volume Control

Depending on the difference between the room temperature and the set temperature, switches automatically between High, Low and Very Low.

Hot Start

When using the heater for preheating or defrosting, stops the indoor fan to prevent cold air from being blown into the room.

Automatic Cooling/Heating

Automatically switches between cooling and heating mode.

Dry

Gradually dehumidifies the room to create even greater comfort.

On/Off Timer

The operation start and stop times can be set with a digital clock.

Comfort

Ecobert

Minimizes energy consumption of the thermostat’s power, which reduces energy consumption and improves comfort.

Auto Start

When using the heater for preheating or defrosting, stops the indoor fan to prevent cold air from being blown into the room.

Auto-tune Louvres

Louver automatically closes to fill empty corner of the room with warm or cool air.

Automatic Cooling/Heating

Automatically adjusts airflow during cooling and heating modes.

Optimally distributes the room to create more comfortable conditions.

Installation

Comfortable operation at extreme temperatures is possible when the outdoor temperature is less than -15°C.

SDI

Twin SDI

<table>
<thead>
<tr>
<th>Indoor unit</th>
<th>RAV-SM562KRT-E</th>
<th>RAV-SM802KRT-E</th>
<th>RAV-SM1104KRT-E</th>
<th>RAV-SM1404KRT-E</th>
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<tr>
<td>Power input, cooling kW</td>
<td>1.39</td>
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<td>2.77</td>
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<tr>
<td>EER W/W</td>
<td>3.60</td>
<td>2.88</td>
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<tr>
<td>Energy efficiency class, cooling</td>
<td>A</td>
<td>C</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>Annual energy consumption kWh</td>
<td>695</td>
<td>1200</td>
<td>1385</td>
<td>1940</td>
</tr>
<tr>
<td>Heating capacity kW</td>
<td>5.6</td>
<td>8.0</td>
<td>11.2</td>
<td>14.0</td>
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<tr>
<td>Heating capacity, min-max kW</td>
<td>2.2-7.0</td>
<td>2.2-9.5</td>
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<td>COP W/W</td>
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<td>Energy efficiency class, heating</td>
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<td>D</td>
<td>B</td>
<td>C</td>
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<td>Power supply V-ph-Hz</td>
<td>220/240-1-50</td>
<td>220/240-1-50</td>
<td>220/240-1-50</td>
<td>220/240-1-50</td>
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Twin DI

<table>
<thead>
<tr>
<th>Outdoor unit</th>
<th>RAV-SM563AT-E</th>
<th>RAV-SM803AT-E</th>
<th>RAV-SM1103AT-E</th>
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<td>C</td>
<td>D</td>
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<td>Annual energy consumption kWh</td>
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<td>1360</td>
<td>1740</td>
<td>2260</td>
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<td>Heating capacity kW</td>
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<td>14.0</td>
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<td>Heating capacity, min-max kW</td>
<td>1.5-6.3</td>
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<td>D</td>
<td>B</td>
<td>C</td>
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<td>Power supply V-ph-Hz</td>
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<table>
<thead>
<tr>
<th>Indoor unit</th>
<th>RAV-SM562KRT-E</th>
<th>RAV-SM802KRT-E</th>
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<tbody>
<tr>
<td>Air Flow m³/h</td>
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<td>Sound pressure level (H-M-L) dB(A)</td>
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<td>Sound power level (H-M-L) dB(A)</td>
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<td>298×998×221</td>
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SDI

Twin SDI

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<tr>
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<td>14.0</td>
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<td>Heating capacity, min-max kW</td>
<td>2.2-7.0</td>
<td>2.2-9.5</td>
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DI

<table>
<thead>
<tr>
<th>Indoor unit</th>
<th>RAV-SM562KRT-E</th>
<th>RAV-SM802KRT-E</th>
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</thead>
<tbody>
<tr>
<td>Air Flow m³/h</td>
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<td>Sound pressure level, heating/cooling dB(A)</td>
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<td>Sound power level, heating/cooling dB(A)</td>
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<td>Dimensions (HxWxD) mm</td>
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<td>Weight kg</td>
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Twin DI

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<td>Annual energy consumption kWh</td>
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<td>Heating capacity kW</td>
<td>1.5-7.0</td>
<td>1.5-9.0</td>
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<td>Heating capacity, min-max kW</td>
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<td>Power input, heating kW</td>
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<td>R/W</td>
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<th>RAV-SM562KRT-E</th>
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<td>Sound power level, heating/cooling dB(A)</td>
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<td>67/65</td>
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<td>Dimensions (HxWxD) mm</td>
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<tr>
<td>Weight kg</td>
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Models

RAV-SM562KRT-E
RAV-SM802KRT-E
RAV-SM1104KRT-E
RAV-SM1404KRT-E
RAV-SM563AT-E
RAV-SM803AT-E
RAV-SM1103AT-E
RAV-SM1403AT-E

RAV-SM562KRT-E
RAV-SM802KRT-E
RAV-SM562KRT-E
RAV-SM802KRT-E
Inverter

Allows step-less regulation of the air-conditioner's power, which reduces energy consumption and improves comfort.

Auto-turn Louvres

Air outlet grilles move automatically to fill every corner of the room with warm or cool air.

Automatic Air Volume Control

Depending on the difference between the room temperature and the set temperature, switches automatically between High, Low and Very Low.

Hot Start

When using the heater for preheating or defrosting, stops the indoor fan to prevent cold air from being blown into the room.

Automatic Cooling/Heating

Automatically switches between cooling and heating mode.

Dry

Gradually dehumidifies the room to create even greater comfort.

On/Off Timer

The operation start and stop times can be set with a digital clock.

Comfort Operativity Installation

Cooler Compatible with an Outdoor Temperature of -15°C

Stable cooler operation is possible when the outdoor temperature is as low as -15°C.

Features

Key features

With its attractive, slim-line design, this unit is best suited for restaurants and other applications where elegance is required. The filtration system further improves the indoor air quality benefits of this high-wall unit.

With its slim design, this compact and stylish unit blends into any room setting.


Auto-louvre mode allows optimum air distribution throughout the room.

A wireless controller is included.

A TCC Link remote control is optional.

Models

RAV-SMS62KRT-E
RAV-SM802KRT-E

RAV-SM562KRT-E
RAV-SM802KRT-E

RAV-SM563AT-E
RAV-SM803AT-E

RAV-SM562AT-E
RAV-SM802AT-E

RAV-SP562AT-E
RAV-SP802AT-E
RAV-SP1104AT-E
RAV-SP1404AT-E

RAV-SM562KRT-E
RAV-SM802KRT-E
RAV-SM562KRT-E
RAV-SM802KRT-E

RAV-SM563AT-E
RAV-SM803AT-E
RAV-SM1103AT-E
RAV-SM1403AT-E

Features

Key features

With its attractive, slim-line design, this unit is best suited for restaurants and other applications where elegance is required. The filtration system further improves the indoor air quality benefits of this high-wall unit.

With its slim design, this compact and stylish unit blends into any room setting.


Auto-louvre mode allows optimum air distribution throughout the room.

A wireless controller is included.

A TCC Link remote control is optional.
Remote Controllers

Toshiba Digital Inverters & Super Digital Inverters are operated with an easy-to-use remote controller.

Wired remote controller | Simple wired remote controller
---|---
Appearance | |
Model name | RBC-AMT32E | RBC-AS21E2

Wireless remote controller kits

Appearance

- Integral receiver
- Integral receiver
- Standalone receiver

Model name

| Wireless remote controller kits |
|---|---|
| RBC-AX31U(W)-E | RBC-AX22CE2 | TCB-AX21E2 |

Remarks

- For 4-way cassette type (Series 4)
- For under ceiling type (Series 2)

Combinations

<table>
<thead>
<tr>
<th>Wired</th>
<th>Wireless</th>
</tr>
</thead>
<tbody>
<tr>
<td>RBC-AMT32E</td>
<td>RBC-AS21E2</td>
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</tbody>
</table>

- Compact 4-way Series 2
  - RAV-SM562MUT-E: OK, OK, OK, OK
  - RAV-SM564UT-E: OK, OK, OK, OK
  - RAV-SM804UT-E: OK, OK, OK, OK
  - RAV-SM1104UT-E: OK, OK, OK, OK
  - RAV-SM1404UT-E: OK, OK, OK, OK

- 4-way Cassette Series 4
  - RAV-SM562BT-E: OK, OK, OK, OK
  - RAV-SM802BT-E: OK, OK, OK, OK
  - RAV-SM1102BT-E: OK, OK, OK, OK
  - RAV-SM1402BT-E: OK, OK, OK, OK

- Ceiling Series 2
  - RAV-SM562CT-E: OK, OK, OK, OK
  - RAV-SM802CT-E: OK, OK, OK, OK
  - RAV-SM1102CT-E: OK, OK, OK, OK
  - RAV-SM1402CT-E: OK, OK, OK, OK

- High-wall Series 2
  - RAV-SM562KRT-E: OK, OK, OK, OK
  - RAV-SM802KRT-E: OK, OK, OK, OK
Remote Controllers

Toshiba Digital Inverters & Super Digital Inverters are operated with an easy-to-use remote controller.

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<thead>
<tr>
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Wireless remote controller kits

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