The History of Panasonic Air Conditioning

The Panasonic Air Conditioning Group has grown into a global company through its continuous quest for product innovations and technology. The group has evolved from manufacturing compressors to providing comprehensive air conditioning solutions. This has earned Panasonic, the reputation as the most trusted brand for superior energy-efficiency and reliable products.

1958
- Started production and sales of Home Coolers
- The Electrical Appliance Business Group (Kadoma) started cooler production in May 1958. Started sales in May under the “Home Cooler” name.

1961
- Started exports of Home Coolers

1965
- Launched Room Coolers

1968
- Began development of Rotary Compressors
  - Later, their high-efficiency and high-quality attracted domestic and overseas air conditioner manufacturers.
  - Began internal sales.

1972
- Established overseas business base in Malaysia
  - MAICO was established in Malaysia as the Aircon Group’s first overseas base.
  - Started exporting to Japan, Indonesia, Australia, and other markets.
  - Panasonic started operating a joint-venture system with a presence in Japan and Malaysia.

1981
- Began operation of MAICO
- Aircon Group’s first overseas base.

1985
- Started exports of Home Coolers

1989
- Introduced Simultaneous Heat & Cool VRF

1992
- Developed industry’s smallest outdoor air conditioning unit “Chi-size”

1993
- Established Matsushita-Wanbao (Guangzhou) Air Conditioner (MWAC)
- Established Matsushita-Wanbao (Guangzhou/Compressor (MWCC)
- Established Matsushita Air Conditioner Engineering (Matsushita AEC)

1995
- Started the export of VRF

1998
- Introduced GAS Heater Air Conditioner 1AKGS1

2001
- Introduce first VRF “ECO-Multi” to USA

2003
- Launched first R410a refrigerant Ductless A/C to USA
- Launched EcoCute as a result of better energy-saving technology.
- Launched accumulator-less, high-efficiency, CO2 scroll compressor for EcoCute
- Began production of Multi-split packaged air conditioner (mini-VRF)

2005
- Launched air conditioner automatic filter cleaning function (AC robot)
  - Product became extremely successful in the Japanese market.
  - Since then, Panasonic has launched a series of innovative products, significantly improving Panasonic’s air conditioner market share.

2006
- Renewed ECO-Multi to ECO-i, revised lineup to inverter driven
- Aggregated global production of Panasonic compressors reached 200 million units

2008
- In 2008 Energy Conservation Grand Prizes, EcoCute won its first Director General Prize of Agency of Natural Resources and Energy.
- While Panasonic air conditioner won the Chairman Prize of the Energy Conservation Center of Japan.
- Started Air To Water heat pump business in Europe

2009
- Established air conditioner dedicated sales company in Europe (PHAAE)
- Panasonic MA Air-Conditioning Europe (PHAAE)strengthened the commercial air conditioning business.

2011
- Integration of Sanyo HVAC USA into Panasonic Corporation of North America.

2013
- SEER 28.5 Highest Efficient Model in Industry as of 2013/March

2014
- Introduce EXTERIOS Series to the US market
  - SEER 23 Built with the latest advanced technology for maximum energy savings

Technological Milestones

1995
- Introduced revolutionary Gas Heater Air Conditioner 1AKGS11.
  - That maintains a consistent heating performance level, regardless of how much the ambient temperature goes down outside.

2001
- Launch VRF “Eco-Multi” to the US market.
  - Eco-Multi was displayed at the AHR show, and was introduced to other ductless manufacturers. It’s the new individual air-conditioning system that effectively combines a power control compressor and an electronic refrigerant control valve.

2003
- First R410a driven ductless model, 2AKS62R, was introduced.
  - Again, blazed a trail to other ductless manufacturers.

2013
- EXTERIOS Series
  - SEER 28.5 Highest Efficient Model in Industry as of 2013/March
Air Conditioners and Heat Pumps Line-Up

Panasonic: Your Best Choice in Mini Split Air Conditioning and Heat Pump Systems

Since 1983, Panasonic’s Mini Split Air Conditioner and Heat Pump products offer a wide range of versatile solutions for cooling and heating requirements for single or multiple rooms. The indoor unit (evaporator) is mounted inside a room and it is connected to the outdoor unit (condenser) via refrigerant lines and inter-unit wiring through a 3-1/2” opening in the wall. Since no ductwork is required, installation is simple, fast and efficient. Ducted models are also available. The indoor unit has been uniquely designed to provide whisper quiet operation while delivering comfort throughout the room(s). Panasonic Mini Split Systems are stylish and offer whisper-quiet operations, quality and reliability you can count on.

HEAT PUMP MODELS

<table>
<thead>
<tr>
<th>Model</th>
<th>3,000</th>
<th>4,000</th>
<th>9,000</th>
<th>12,000</th>
<th>18,000</th>
<th>24,000</th>
<th>30,000</th>
<th>36,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>outdoor unit (wall mounted)</td>
<td>CS-KEH26NP</td>
<td>CU-KEH26NP</td>
<td>CS-KEH36NP</td>
<td>CU-KEH36NP</td>
<td>CS-KEH42NP</td>
<td>CU-KEH42NP</td>
<td></td>
<td></td>
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<tr>
<td>ceiling mounted</td>
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</table>

MULTI ZONE MODELS

<table>
<thead>
<tr>
<th>Model</th>
<th>9,000</th>
<th>12,000</th>
<th>15,000</th>
<th>18,000</th>
<th>21,000</th>
<th>24,000</th>
<th>28,000</th>
<th>32,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>indoor unit (wall mounted)</td>
<td>CS-EMH26NP</td>
<td>CU-EMH26NP</td>
<td>CS-EMK26NP</td>
<td>CU-EMK26NP</td>
<td>CS-EMK30NP</td>
<td>CU-EMK30NP</td>
<td>CS-EMK36NP</td>
<td>CU-EMK36NP</td>
</tr>
<tr>
<td>outdoor unit (wall mounted)</td>
<td>CS-EMH26NP</td>
<td>CU-EMH26NP</td>
<td>CS-EMH36NP</td>
<td>CU-EMH36NP</td>
<td>CS-EMH42NP</td>
<td>CU-EMH42NP</td>
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<td></td>
</tr>
</tbody>
</table>

COOLING ONLY MODELS / LOW AMBIENT TYPE

<table>
<thead>
<tr>
<th>Model (System)</th>
<th>9,000</th>
<th>12,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>indoor unit (wall mounted)</td>
<td>CS-9S30NKUA</td>
<td>CS-9S36NKUA</td>
</tr>
<tr>
<td>outdoor unit (wall mounted)</td>
<td>CS-9S30NKUA</td>
<td>CS-9S36NKUA</td>
</tr>
</tbody>
</table>

* Please refer to the model identification on the back of this catalog.
### Features Chart

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>온도 조절</strong></td>
<td>Temperature control ensures that the temperature and humidity levels in the room are always comfortable.</td>
</tr>
<tr>
<td><strong>Wireless Remote Control</strong></td>
<td>Wireless remote control allows you to set a wide variety of timer operation.</td>
</tr>
<tr>
<td><strong>Night Setback Mode for Heating and Cooling</strong></td>
<td>Night setback mode allows the system to automatically resume operation at its preset program, after power is restored from a power failure. The wire remote controller.</td>
</tr>
<tr>
<td><strong>Air Sweep Control</strong></td>
<td>The air sweep function moves the louver up and down in the air outlet, directing air in a sweeping motion around the room and providing comfort everywhere.</td>
</tr>
<tr>
<td><strong>ON/OFF Program Timer</strong></td>
<td>Microprocessor-controlled program timer automatically adjusts the fan speeds, timer and mode.</td>
</tr>
<tr>
<td><strong>Self-Diagnosing Function</strong></td>
<td>Units are equipped with self-diagnosing function (methods are different depending on the models).</td>
</tr>
<tr>
<td><strong>Evaporator Condenser</strong></td>
<td>Electric condenser is only for allowing drain line to meet technical specification.</td>
</tr>
<tr>
<td><strong>Condensation Pump</strong></td>
<td>The condensation pump is only for allowing drain line to meet technical specification.</td>
</tr>
<tr>
<td><strong>Microprocessor-Controlled Operation</strong></td>
<td>Units are equipped with self-diagnosing function (methods are different depending on the models).</td>
</tr>
<tr>
<td><strong>Anti-microbial Filter</strong></td>
<td>Anti-microbial filter is only for protecting the growth of mold and mildew, and helps create clean air.</td>
</tr>
<tr>
<td><strong>Electric Refrigerant Valve</strong></td>
<td>Electric refrigerant valve is only for controlling the temperature.</td>
</tr>
<tr>
<td><strong>Self-Adaptive Condenser</strong></td>
<td>Self-adaptive condenser is only for controlling the temperature.</td>
</tr>
</tbody>
</table>

### Features

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</table>

### Outdoor Settings


### Additional Information

- **Wireless Remote Control:** Remote control allows you to set a wide variety of timer operation.
- **Night Setback Mode:** Night setback mode allows the system to automatically resume operation at its preset program, after power is restored from a power failure.
- **Air Sweep Control:** Air sweep function moves the louver up and down in the air outlet, directing air in a sweeping motion around the room and providing comfort everywhere.
- **ON/OFF Program Timer:** Microprocessor-controlled program timer automatically adjusts the fan speeds, timer and mode.
- **Self-Diagnosing Function:** Units are equipped with self-diagnosing function (methods are different depending on the models).
- **Anti-microbial Filter:** Anti-microbial filter is only for protecting the growth of mold and mildew, and helps create clean air.

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*Tested per ASTM G21-96*
Panasonic sets another milestone in the Mini-Split History...

EXTERIOS - the latest breakthrough in energy efficiency and high performance with Inverter technology up to SEER 28.5 and up to HSPF 12.5

**High Energy Efficiency up to SEER 28.5**
Breakthrough technologies, such as the inverter, enables the highest energy efficiency. Thanks to this exceptional performance, you will enjoy even more comfort and cost savings.

**Powerful Heating at Low Ambient Temperatures**
Offers reliable heating with full capacity down to 5°F.

**Inverter Technology**
Panasonic’s inverter technology provides optimum power control and extremely efficient operation by modulating the compressor capacity. The result is efficient and flexible operation using less electricity.

Panasonic ductless mini split systems are designed to care for you
With over 50 years of experience of exporting to more than 125 countries around the world, Panasonic is unquestionably one of the leaders in the air conditioning business. Panasonic has produced more than 200 million compressors and has manufactured high quality air conditioners.
Advanced Inverter Technology

Provides Optimum Performance While Reducing Energy Usage

Panasonic’s inverter technology constantly adjusts its compressor rotation speed to provide maximum performance at all times. This extremely precise operation enables quick cooling or heating while reducing power consumption compared to conventional non-inverter units.

Reduces Electricity Consumption
Panasonic inverter air conditioners/heat pumps are designed to give you exceptional energy savings performance while ensuring you stay comfortable at all times.

Constant Comfort
Precise temperature control with a wide power output range enables an inverter air conditioner to meet different room occupancy levels – thus ensuring constant comfort.

Quick Cooling and Heating
Panasonic Inverter air conditioners can operate with higher cooling/heating power during the start up period to cool/heat the room faster than non-inverter models.

Whisper Quiet Operation
The indoor operating noise has been reduced by 5dB as the Inverter constantly varies its output power to enable more precise temperature control.

■ The Advantages of Inverter Control
Comparing inverter and non-inverter air conditioners to cars...

How Does ECONAVI Human Activity Work?

ECONAVI with Intelligent Eco Sensors

In 2007, Panasonic launched ECONAVI (Human Detection Technology) to its air conditioners. The ECONAVI sensors moderate the temperature in a room and senses when there is activity, which then automatically adjusts the temperature setting accordingly for maximum energy efficient operation. The absence detection feature switches to a slightly less powerful cooling mode when the room is empty.

Absence Detection
ECONAVI detects human absence from the room and reduces the cooling power by setting the new target temperature.

Activity Detection
ECONAVI detects changes in activity levels and reduces the cooling power by setting the new target temperature.

Absence Detection
Detects absence.

Activity Detection
Detects activity.

Panasonic’s inverter technology constantly adjusts its compressor rotation speed to provide maximum performance at all times. This extremely precise operation enables quick cooling or heating while reducing power consumption compared to conventional non-inverter units.

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**Wall-Mounted Heat Pumps**

**Performance & Electrical Ratings**

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<thead>
<tr>
<th>Indoor Unit Model No.</th>
<th>CS-XE9PKUA</th>
<th>CS-XE12PKUA</th>
<th>CS-XE18PKUA</th>
<th>CS-XE24PKUA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>E9RKUA</strong></td>
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<td></td>
<td></td>
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<tr>
<td><strong>E12RKUA</strong></td>
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<tr>
<td><strong>E18RKUA</strong></td>
<td></td>
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<tr>
<td><strong>E24RKUA</strong></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

- **Moisture Removal High**: Pints/H 1.3 2.3 3.0 7.6
- **Capacity Cooling Btu/h**: 9,000 (4,100–10,200) 11,500 (4,100–13,300) 17,200 (5,800–19,800) 24,000 (5,800–27,200)
- **Dry Air Flow High CFM**: 425 450 670 670
- **Wireless Controller**: Included Included Included Included
- **Controls**: Microprocessor Microprocessor Microprocessor Microprocessor
- **Fuse or Circuit Breaker Capacity A**: 15 15 20 25
- **Wired Remote Controller (optional)**: CZ-RD516C-1 CZ-RD516C-1 CZ-RD516C-1 CZ-RD516C-1
- **Elevation Difference* Outdoor Above Ft. Max.**: 49.2 49.2 49.2 49.2
- **Fan Speeds**: 5 Speeds + Auto 5 Speeds + Auto 5 Speeds + Auto 5 Speeds + Auto
- **Net Weight Lbs.**: 20.0 82.0 20.0 82.0 26.0 132.0 26.0 132.0

**Indoor Unit**

- **CU-XE9PKUA / CU-XE12PKUA**
- **Indoor Unit Dimensions & Weight**
  - **Width inches**: 34-9/32" 34-15/32" 34-9/32" 34-15/32"
  - **Depth inches**: 10-1/16" 12-5/8" 10-1/16" 12-5/8"
  - **Height inches**: 11-7/16" 21-9/32" 11-7/16" 31-5/16"
  - **Net Weight Lbs.**: 20.0 82.0 20.0 82.0 26.0 132.0 26.0 132.0

**Outdoor Unit**

<table>
<thead>
<tr>
<th>Outdoor Unit Model No.</th>
<th>CU-XE9PKUA</th>
<th>CU-XE12PKUA</th>
<th>CU-XE18PKUA</th>
<th>CU-XE24PKUA</th>
</tr>
</thead>
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<td><strong>E9RKUA</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>E12RKUA</strong></td>
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</tr>
<tr>
<td><strong>E18RKUA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>E24RKUA</strong></td>
<td></td>
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</tr>
</tbody>
</table>

- **Dimensions & Weight**
  - **Width inches**: 34-9/32" 34-15/32" 34-9/32" 34-15/32"
  - **Depth inches**: 10-1/16" 12-5/8" 10-1/16" 12-5/8"
  - **Height inches**: 11-7/16" 21-9/32" 11-7/16" 31-5/16"
  - **Net Weight Lbs.**: 20.0 82.0 20.0 82.0 26.0 132.0 26.0 132.0

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on P.34 in the catalog for more detail.)

**Wall-Mounted Heat Pumps**

**Performance & Electrical Ratings**

<table>
<thead>
<tr>
<th>Indoor Unit Model No.</th>
<th>CS-E9RKUAW</th>
<th>CS-E12RKUAW</th>
<th>CS-E18RKUAW</th>
<th>CS-E24RKUAW</th>
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</thead>
<tbody>
<tr>
<td><strong>E9RKUAW</strong></td>
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<tr>
<td><strong>E12RKUAW</strong></td>
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<tr>
<td><strong>E18RKUAW</strong></td>
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<tr>
<td><strong>E24RKUAW</strong></td>
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</tr>
</tbody>
</table>

- **Moisture Removal High**: Pints/H 1.3 1.7 3.0 7.6
- **Capacity Cooling Btu/h**: 9,000 (4,100–10,200) 11,500 (4,100–13,300) 17,200 (5,800–19,800) 24,000 (5,800–27,200)
- **Dry Air Flow High CFM**: 425 450 670 670
- **Wireless Controller**: Included Included Included Included
- **Controls**: Microprocessor Microprocessor Microprocessor Microprocessor
- **Fuse or Circuit Breaker Capacity A**: 15 15 20 25
- **Wired Remote Controller (optional)**: CZ-RD516C-1 CZ-RD516C-1 CZ-RD516C-1 CZ-RD516C-1
- **Elevation Difference* Outdoor Above Ft. Max.**: 49.2 49.2 49.2 49.2
- **Fan Speeds**: 5 Speeds + Auto 5 Speeds + Auto 5 Speeds + Auto 5 Speeds + Auto
- **Net Weight Lbs.**: 20.0 82.0 20.0 82.0 26.0 132.0 26.0 132.0

**Indoor Unit**

- **CU-E9RKUAW / CU-E12RKUAW**
- **Indoor Unit Dimensions & Weight**
  - **Width inches**: 34-9/32" 34-15/32" 34-9/32" 34-15/32"
  - **Depth inches**: 10-1/16" 12-5/8" 10-1/16" 12-5/8"
  - **Height inches**: 11-7/16" 21-9/32" 11-7/16" 31-5/16"
  - **Net Weight Lbs.**: 20.0 82.0 20.0 82.0 26.0 132.0 26.0 132.0

**Outdoor Unit**

<table>
<thead>
<tr>
<th>Outdoor Unit Model No.</th>
<th>CU-E9RKUAW</th>
<th>CU-E12RKUAW</th>
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</tr>
<tr>
<td><strong>E12RKUAW</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>E24RKUAW</strong></td>
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</tbody>
</table>

- **Dimensions & Weight**
  - **Width inches**: 34-9/32" 34-15/32" 34-9/32" 34-15/32"
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  - **Net Weight Lbs.**: 20.0 82.0 20.0 82.0 26.0 132.0 26.0 132.0

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on P.34 in the catalog for more detail.) ** Cooling only function.
### Wall-Mounted Heat Pumps

#### E9NKUA / E12NKUA
- **Indoor Unit:** CS-E9NKUAW, CS-E12NKUAW
- **Outdoor Unit:** CU-E9NKUA, CU-E12NKUA
- **Wireless Controller:** Included (Optional)
- **Remote Controller:** Wired CZ-RD516C-1
- **Fan Speeds:** 5 Speeds + Auto
- **Operation Sound In (Hi / Me / Lo / Qt) dB-A:** 40 / 25 / 20
- **Weight:** 20.0 lbs
- **Capacity Cooling:** Btu/h 8,500 (4,100–10,200)
- **SEER Cooling:** 21.0
- **EER Cooling:** 13.1
- **Moisture Removal High Pints/H:** 8.1
- **Dry Air Flow High CFM:** 395
- **Wireless Remote Control:** Included (Optional)
- **Fuse or Circuit Breaker Capacity A:** 15
- **Air Deflection:** Horizontal Manual
- **Low Ambient Control:** Built-in 0˚F
- **Timer:** 24-hr Program
- **Refrigerant Piping Type:** Flare
- **Suction inches:** 3/8"
- **Discharge inches:** 1/4"
- **Operation Ambient Low:** 32°F / 2°F
- **Operation Ambient High:** 120°F / 48.9˚C
- **Operation Sound High (Hi / Me / Lo / Qt) dB:** 47 / 43 / 39 / 36
- **Control:** Micro-processor
- **Filt. (optional):** Washable + Anti-Microbial Filter
- **Dimensions & Weight:**
  - **Indoor Unit:** Width 11-13/32", Height 8-1/16", Depth 9-9/32"
  - **Outdoor Unit:** Width 12-5/8", Height 11-13/32", Depth 9-9/32"
  - **Weight:** Indoor Unit - 20.0 lbs, Outdoor Unit - 82.0 lbs

#### E18NKUA / E24NKUA
- **Indoor Unit:** CS-E18NKUAW, CS-E24NKUAW
- **Outdoor Unit:** CU-E18NKUA, CU-E24NKUA
- **Wireless Controller:** Included (Optional)
- **Remote Controller:** Wired CZ-RD516C-1
- **Fan Speeds:** 5 Speeds + Auto
- **Operation Sound In (Hi / Me / Lo / Qt) dB-A:** 43 / 28 / 20
- **Weight:** 26.0 lbs
- **Capacity Cooling:** Btu/h 17,100 (5,800–19,800)
- **SEER Cooling:** 18.0
- **EER Cooling:** 13.2
- **Moisture Removal High Pints/H:** 10.64
- **Dry Air Flow High CFM:** 650
- **Wireless Remote Control:** Included (Optional)
- **Fuse or Circuit Breaker Capacity A:** 20
- **Air Deflection:** Horizontal Automatic
- **Low Ambient Control:** Built-in 0˚F
- **Timer:** 24-hr Program
- **Refrigerant Piping Type:** Flare
- **Suction inches:** 1/2"
- **Discharge inches:** 1/2"
- **Operation Ambient Low:** 32°F / 2°F
- **Operation Ambient High:** 120°F / 48.9˚C
- **Operation Sound High (Hi / Me / Lo / Qt) dB:** 49 / 40 / 37 / 36
- **Control:** Micro-processor
- **Filt. (optional):** Washable + Anti-Microbial Filter
- **Dimensions & Weight:**
  - **Indoor Unit:** Width 11-13/32", Height 8-1/16", Depth 9-9/32"
  - **Outdoor Unit:** Width 12-5/8", Height 11-13/32", Depth 9-9/32"
  - **Weight:** Indoor Unit - 20.0 lbs, Outdoor Unit - 82.0 lbs

#### 26PEK1U6
- **Indoor Unit:** CU-26PEK1U6
- **Outdoor Unit:** S-26PK1U6
- **Wireless Controller:** Included (Optional)
- **Remote Controller:** Wired CZ-RTC2, CZ-RD515U & CZ-RC515UA
- **Fan Speeds:** 4 Speeds + Auto
- **Operation Sound In (Hi / Me / Lo / Qt) dB-A:** 49 / 44 / 39
- **Weight:** 35.0 lbs
- **Capacity Cooling:** Btu/h 30,600 (10,900–30,600)
- **SEER Cooling:** 16
- **EER Cooling:** 8.9
- **Moisture Removal High Pints/H:** 9.57
- **Dry Air Flow High CFM:** 630
- **Wireless Remote Control:** Included (Optional)
- **Fuse or Circuit Breaker Capacity A:** 30
- **Air Deflection:** Horizontal Automatic
- **Low Ambient Control:** Built-in 0˚F
- **Timer:** 24-hr Program
- **Refrigerant Piping Type:** Flare
- **Suction inches:** 5/8"
- **Discharge inches:** 3/8"
- **Operation Ambient Low:** 32°F / 2°F
- **Operation Ambient High:** 100˚F / 38˚C
- **Operation Sound High (Hi / Me / Lo / Qt) dB:** 51 / 49 / 44 / 39
- **Control:** Micro-processor
- **Filt. (optional):** Washable + Anti-Microbial Filter
- **Dimensions & Weight:**
  - **Indoor Unit:** Width 9-9/32", Height 12-5/8", Depth 9-9/32"
  - **Outdoor Unit:** Width 12-5/8", Height 11-13/32", Depth 9-9/32"
  - **Weight:** Indoor Unit - 32.0 lbs, Outdoor Unit - 185.0 lbs

#### KE30NKU / KE36NKU
- **Indoor Unit:** CS-KE30NKU, CS-KE36NKU
- **Outdoor Unit:** CU-KE30NKU / CU-KE36NKU
- **Wireless Controller:** Included (Optional)
- **Remote Controller:** Wired CZ-RD515U & CZ-RC515UA
- **Fan Speeds:** 3 Speeds + Automatic Control / Variable Hi / Me / Lo & Auto
- **Operation Sound In (Hi / Me / Lo / Qt) dB-A:** 49 / 44 / 39
- **Weight:** 45.0 lbs
- **Capacity Cooling:** Btu/h 34,000 (10,900–34,000)
- **SEER Cooling:** 16
- **EER Cooling:** 8.5
- **Moisture Removal High Pints/H:** 10.64
- **Dry Air Flow High CFM:** 650
- **Wireless Remote Control:** Included (Optional)
- **Fuse or Circuit Breaker Capacity A:** 45
- **Air Deflection:** Horizontal Automatic
- **Low Ambient Control:** Built-in 0˚F
- **Timer:** 24-hr Program
- **Refrigerant Piping Type:** Flare
- **Suction inches:** 5/8"
- **Discharge inches:** 3/8"
- **Operation Ambient Low:** 32°F / 2°F
- **Operation Ambient High:** 100˚F / 38˚C
- **Operation Sound High (Hi / Me / Lo / Qt) dB:** 51 / 49 / 44 / 39
- **Control:** Micro-processor
- **Filt. (optional):** Washable + Anti-Microbial Filter
- **Dimensions & Weight:**
  - **Indoor Unit:** Width 9-9/32", Height 12-5/8", Depth 9-9/32"
  - **Outdoor Unit:** Width 12-5/8", Height 11-13/32", Depth 9-9/32"
  - **Weight:** Indoor Unit - 32.0 lbs, Outdoor Unit - 185.0 lbs

---
* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the P.34 in the catalog for more details.)
Wall Mounted Air Conditioner

- **Model No.**
  - KS30NKUA / KS36NKUA

- **Unit Model No.**
  - Outdoor Unit: CU-KS30NKUA / CU-KS36NKUA
  - Indoor Unit: CS-KS30NKU / CS-KS36NKU

- **Performance & Electrical Ratings**
  - **Capacity**
    - Cooling: 30,600 (10,900–30,600) Btu/h
      - Heating: ---
  - **Moisture Removal**
    - High: 9.57 Pints/H
  - **Air Flow**
    - High / Med / Low: 630 / 530 / 412 CFM
  - **SEER**
    - Cooling: 16.0
  - **EER**
    - Cooling: 9.3
  - **HSPF**
    - Heating: ---
  - **Power Supply**
    - V, Phase, Hz: 230 / 208V, 1PH, 60Hz
  - **Running Amps**
    - Cooling: 16.5 / 18 A
      - Heating: ---
  - **Power Input**
    - Cooling: 3,290 W
      - Heating: ---
  - **Back-up Heater**
    - kW: ---
  - **Fuse or Circuit Breaker**
    - Capacity: 35 A

- **Features**
  - **Displays**
    - Microprocessor
  - **Low Ambient Control**
    - Built-in 0˚F
  - **Wireless Remote Controller**
    - Included
  - **Wired Remote Controller**
    - Optional (CZ-RD515U & CZ-RC515UA)
  - **Fan Speeds**
    - Hi / Med / Lo & Auto
  - **Timer**
    - 1-hr OFF and 24-hr Program
  - **Air Deflection**
    - Horizontal: Manual
      - Vertical: Automatic
  - **Air Filter**
    - Washable
  - **Refrigerant**
    - R-410A
  - **Refrigerant control**
    - Electric Expansion Valve
  - **Operation Sound**
    - Indoor (Hi / Me / Lo / Qt): 49 / 44 / 39 dB-A
      - Outdoor (Hi): 55 dB-A
  - **Refrigerant Piping Type**
    - Flare
  - **Discharge**
    - Inches: 3/8"
  - **Suction**
    - Inches: 5/8"
  - **Refrigerant Pipe Length**
    - Ft. Max.: 164
  - **Elevation Difference Outdoor Above**
    - Ft. Max.: 100
  - **Outdoor Below**
    - Ft. Max.: 50

- **Indoor Unit**
  - Height: 11-3/16”
  - Width: 41-15/16”
  - Depth: 9-1/16”
  - Weight: 32 Lbs.

- **Outdoor Unit**
  - Height: 35-13/16”
  - Width: 37-1/3”
  - Depth: 13-3/8”
  - Weight: 183 Lbs.

---

This is maximum elevation differences when the indoor unit is located above the outdoor unit. (Refer to the table on P.34 in the catalog for more detail.)
**RAC Multi-System Indoor Units**

The multi-system type allows a single outdoor unit to be connected to 2 indoor units. It also solves the problem of limited installation space and does not clutter the exterior of your home.

---

### Indoor Unit: Wall Mounted Type

**Model No.**
- CS-ME7RKUA
- CS-E9RKUAW
- CS-E12RKUAW

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>CS-ME7RKUA</td>
<td>6,900</td>
<td>R-410A (67.80 Oz)</td>
<td>DC Inverter</td>
<td>Microprocessor</td>
<td>230V / 208V, 1PH, 61Hz</td>
<td>2.8</td>
<td>2.5</td>
<td>500 (340–810)</td>
<td>2.5</td>
<td>2.8</td>
<td>0.8</td>
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<td>CS-E9RKUAW</td>
<td>6,900</td>
<td>R-410A (67.80 Oz)</td>
<td>DC Inverter</td>
<td>Microprocessor</td>
<td>230V / 208V, 1PH, 61Hz</td>
<td>3.0</td>
<td>2.8</td>
<td>500 (340–810)</td>
<td>3.0</td>
<td>3.2</td>
<td>0.8</td>
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<tr>
<td>CS-E12RKUAW</td>
<td>7,700</td>
<td>R-410A (67.80 Oz)</td>
<td>DC Inverter</td>
<td>Microprocessor</td>
<td>230V / 208V, 1PH, 61Hz</td>
<td>3.5</td>
<td>3.3</td>
<td>500 (340–810)</td>
<td>3.5</td>
<td>3.8</td>
<td>0.8</td>
</tr>
</tbody>
</table>

**Control**
- Wireless
- Wired

**Features**
- ECONAVI Room Freeze Protection
- 1 hr off timer
- Blue Fin
- ECOMIC
- R-410A
- Auto Restart
- ECO mode

---

### RAC Multi-System Outdoor Units

**Model No.**
- CU-2E18NB

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<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>CU-2E18NB</td>
<td>10,900</td>
<td>R-410A (67.80 Oz)</td>
<td>DC Inverter</td>
<td>Microprocessor</td>
<td>230V / 208V, 1PH, 61Hz</td>
<td>7.6</td>
<td>6.9</td>
<td>740 (300–1,230)</td>
<td>7.6</td>
<td>7.6</td>
<td>1.1</td>
</tr>
</tbody>
</table>

**Features**
- ECONAVI
- 1 hr off timer
- Blue Fin
- ECOMIC
- R-410A
- Auto Restart
- ECO mode

---

### Performance

**Cooling Capacity (BTU/h)**

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</tr>
</thead>
<tbody>
<tr>
<td>CS-ME7RKUA</td>
<td>6,900</td>
<td>R-410A (67.80 Oz)</td>
<td>DC Inverter</td>
<td>Microprocessor</td>
<td>230V / 208V, 1PH, 61Hz</td>
<td>2.8</td>
<td>2.5</td>
<td>500 (340–810)</td>
<td>2.5</td>
<td>2.8</td>
<td>0.8</td>
</tr>
<tr>
<td>CS-E9RKUAW</td>
<td>6,900</td>
<td>R-410A (67.80 Oz)</td>
<td>DC Inverter</td>
<td>Microprocessor</td>
<td>230V / 208V, 1PH, 61Hz</td>
<td>3.0</td>
<td>2.8</td>
<td>500 (340–810)</td>
<td>3.0</td>
<td>3.2</td>
<td>0.8</td>
</tr>
<tr>
<td>CS-E12RKUAW</td>
<td>7,700</td>
<td>R-410A (67.80 Oz)</td>
<td>DC Inverter</td>
<td>Microprocessor</td>
<td>230V / 208V, 1PH, 61Hz</td>
<td>3.5</td>
<td>3.3</td>
<td>500 (340–810)</td>
<td>3.5</td>
<td>3.8</td>
<td>0.8</td>
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</table>

**Heating Capacity (BTU/h)**

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</tr>
</thead>
<tbody>
<tr>
<td>CS-ME7RKUA</td>
<td>6,900</td>
<td>R-410A (67.80 Oz)</td>
<td>DC Inverter</td>
<td>Microprocessor</td>
<td>230V / 208V, 1PH, 61Hz</td>
<td>2.8</td>
<td>2.5</td>
<td>500 (340–810)</td>
<td>2.5</td>
<td>2.8</td>
<td>0.8</td>
</tr>
<tr>
<td>CS-E9RKUAW</td>
<td>6,900</td>
<td>R-410A (67.80 Oz)</td>
<td>DC Inverter</td>
<td>Microprocessor</td>
<td>230V / 208V, 1PH, 61Hz</td>
<td>3.0</td>
<td>2.8</td>
<td>500 (340–810)</td>
<td>3.0</td>
<td>3.2</td>
<td>0.8</td>
</tr>
<tr>
<td>CS-E12RKUAW</td>
<td>7,700</td>
<td>R-410A (67.80 Oz)</td>
<td>DC Inverter</td>
<td>Microprocessor</td>
<td>230V / 208V, 1PH, 61Hz</td>
<td>3.5</td>
<td>3.3</td>
<td>500 (340–810)</td>
<td>3.5</td>
<td>3.8</td>
<td>0.8</td>
</tr>
</tbody>
</table>

---

### Dimensions & Weight

**CU-2E18NB**

<table>
<thead>
<tr>
<th>Dimension (W x H x D)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-7/16&quot; x 34-9/32&quot; x 8-7/16&quot;</td>
<td>312 Lbs.</td>
</tr>
</tbody>
</table>

---

### Notes

- *This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on page 34 in the catalog for more detail.)
- *For CS-E12RKUAW, the pipe size reducer CZ-MA1P must be used when connecting with multi-zone outdoor unit.
Advantages of New Multi-Split Inverter System

Connectable from 2 to 5 indoor units. System 5 allows single outdoor unit to be connected to 2-5 indoor units. It solves the problem of limited installation space does not clutter the exterior of your home.

Up to 5 Rooms

 Indoor Unit: Wall Mounted Type

<table>
<thead>
<tr>
<th>Model No.</th>
<th>CS-ME7RKUA</th>
<th>CS-E9RKUAW</th>
<th>CS-E12RKUAW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance &amp; Electrical Ratings</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capacity Cooling Btu/h</td>
<td>6,900 (6,100–9,900)</td>
<td>9,000 (4,100–10,200)</td>
<td>11,500 (4,100–13,300)</td>
</tr>
<tr>
<td>Capacity Heating Btu/h</td>
<td>10,900 (4,100–14,000)</td>
<td>12,000 (4,100–14,100)</td>
<td>3,800 (4,100–16,300)</td>
</tr>
<tr>
<td>Refrigerant Tube Diameter Discharge inches</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>Refrigerant Tube Diameter Suction inches</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>Dimensions &amp; Weight</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>11-7/16&quot;</td>
<td>11-7/16&quot;</td>
<td>11-7/16&quot;</td>
</tr>
<tr>
<td>Width</td>
<td>34-9/32&quot;</td>
<td>34-9/32&quot;</td>
<td>34-9/32&quot;</td>
</tr>
<tr>
<td>Depth</td>
<td>8-7/16&quot;</td>
<td>8-7/16&quot;</td>
<td>8-7/16&quot;</td>
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<tr>
<td>Net Weight lb</td>
<td>9.0</td>
<td>20.0</td>
<td>20.0</td>
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<td>Power Supply V, Phase, Hz</td>
<td>208/230V, 1PH, 60Hz</td>
<td>230/208V, 1PH, 60Hz</td>
<td>230/208V, 1PH, 60Hz</td>
</tr>
<tr>
<td>Running Amps Cooling A</td>
<td>2.5 / 2.8</td>
<td>3.2 / 3.6</td>
<td>4.2 / 4.7</td>
</tr>
<tr>
<td>Power Input Cooling W</td>
<td>500 (340–810)</td>
<td>690 (250–850)</td>
<td>920 (250–1,150)</td>
</tr>
<tr>
<td>Power Input Heating W</td>
<td>740 (300–1,230)</td>
<td>1,120 (300–1,230)</td>
<td>1,250 (200–1,710)</td>
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<tr>
<td>Operation Sound Hi dB-A</td>
<td>55</td>
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<tr>
<td>Moisture Removal High Pints/H</td>
<td>0.8</td>
<td>1.3</td>
<td>1.7</td>
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<tr>
<td>Air Flow High CFM</td>
<td>425</td>
<td>455</td>
<td>505</td>
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<tr>
<td>Accessories Required n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
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<tr>
<td>Refrigerant / Amount Charged at Shipment Type/oz</td>
<td>R-410A / 120.0 oz</td>
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Specifications

<table>
<thead>
<tr>
<th>Model No.</th>
<th>CU-SE136BU</th>
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</thead>
<tbody>
<tr>
<td>Performance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capacity Cooling Btu/h</td>
<td>36,000 (9,900–39,000)</td>
<td>37,800 (11,600–49,500)</td>
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<tr>
<td>Power Input Cooling W</td>
<td>3,750 (550–3,860)</td>
<td>2,900 (530–4,240)</td>
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<tr>
<td>Running Ampere A</td>
<td>17.2 / 19.0</td>
<td>13.4 / 14.8</td>
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</tr>
<tr>
<td>Compressor DC Inverter</td>
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<tr>
<td>Controls</td>
<td>Microprocessor</td>
<td>Microprocessor</td>
<td>Microprocessor</td>
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<td>Control</td>
<td>Wireless</td>
<td>Wired</td>
<td>Wired</td>
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<td>HSPF Heating</td>
<td>10.0</td>
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<td>SEER Cooling</td>
<td>18.5</td>
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<tr>
<td>EER Cooling</td>
<td>9.60</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Connectable Indoor Units</td>
<td>2–5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum length of tubing between indoor/outdoor</td>
<td>82 (per Unit) 262 (total)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerant Tube Diameter Discharge inches</td>
<td>1/4&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refrigerant Tube Diameter Suction inches</td>
<td>3/8&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Allowable Tubing Length ft</td>
<td>82 (per Unit) 262 (total)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Elevation difference between In / Outdoor ft</td>
<td>49</td>
<td></td>
<td></td>
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<tr>
<td>Maximum length of tubing between In / Outdoor ft</td>
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<td>Outdoor Tube Size Narrow Inches</td>
<td>3/8&quot;</td>
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<tr>
<td>Outdoor Tube Size Wide Inches</td>
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<tr>
<td>Insulation</td>
<td>Both tubes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum length of tubing between In / Outdoor ft</td>
<td>82 (per Unit) 262 (total)</td>
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<tr>
<td>Maximum Elevation difference between In / Outdoor ft</td>
<td>49</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum length of tubing between In / Outdoor ft</td>
<td>49</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit Dimensions H x W x D inches</td>
<td>39-11/32&quot; x 37-1/32&quot; x 13-13/32&quot;</td>
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</tr>
</tbody>
</table>

* Use CZ-MA2P when connecting with CS-24NKUA (3/8" to 1/2")
* It is possible to have a combination of wall-mounted models (CS-ME7QKUA, CS-E9NKUAW, E12NKUAW, CS-E18NKUAW, E24NKUAW, CLiMAX) for the CU-SE136BU.
* A minimum of 2 indoor units must be connected.
* Additional refrigerant required up to 150 ft. of combined tubing.

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the tables on the back of the catalog)
* A minimum of 2 indoor units must be connected.

RAC Multi-System Heat Pump

RAC Multi System
### Indoor Unit Capacity (BTU/h)

<table>
<thead>
<tr>
<th>Indoor Unit Contribution</th>
<th>Room 1</th>
<th>Room 2</th>
<th>Room 3</th>
<th>Room 4</th>
<th>Room 5</th>
<th>Room 6</th>
<th>Room 7</th>
<th>Room 8</th>
<th>Room 9</th>
<th>Room 10</th>
<th>Room 11</th>
<th>Room 12</th>
<th>Total Performance Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,000 - 5,000</td>
<td>8,000</td>
<td>12,000</td>
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<td>5,000</td>
<td>10,000</td>
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<td>6,000</td>
<td>12,000</td>
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<td>7,000</td>
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<tr>
<td>8,000</td>
<td>16,000</td>
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Fits with Various Sizes of Rooms and Lifestyle
The multi-system type allows a single outdoor unit to be connected to 2 to 4 indoor units. It also solves the problem of limited installation space and does not clutter the exterior of your home.

Indoor Unit: Wall Mounted Type

<table>
<thead>
<tr>
<th>Model No.</th>
<th>CS-MKE7NKU / CS-MKE9NKU / CS-MKE12NKU</th>
<th>CS-MKE18NKU / CS-MKE24NKU</th>
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</thead>
<tbody>
<tr>
<td>Power Source</td>
<td>A 230V-208V, 1 PH, 60 Hz</td>
<td>230V-208V, 1 PH, 60 Hz</td>
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<tr>
<td>Capacity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Btu/h</td>
<td>7,500</td>
<td>9,000</td>
</tr>
<tr>
<td>Heating Btu/h</td>
<td>8,500</td>
<td>12,200</td>
</tr>
<tr>
<td>Moisture Removal High Pints/H</td>
<td>2.77</td>
<td>3.40</td>
</tr>
<tr>
<td>Unit Dimensions (H x W x D) inch</td>
<td>11”-7/32” x 32”-15/32” x 7”-7/16”</td>
<td>11”-23/32” x 41”-15/16” x 8”-19/32”</td>
</tr>
<tr>
<td>Net Weight Lbs.</td>
<td>19.8</td>
<td>19.8</td>
</tr>
<tr>
<td>Air Circulation (H.M.L) Cooling CFM</td>
<td>241 / 224 / 212</td>
<td>259 / 249 / 212</td>
</tr>
<tr>
<td>Heating CFM</td>
<td>271 / 241 / 218</td>
<td>282 / 271 / 218</td>
</tr>
<tr>
<td>Operating Sound Cooling dB-A</td>
<td>33 / 30 / 27 / 23</td>
<td>34 / 31 / 28 / 23</td>
</tr>
<tr>
<td>Heating dB-A</td>
<td>33 / 30 / 27 / 23</td>
<td>34 / 31 / 29 / 25</td>
</tr>
<tr>
<td>Refrigerant Tube Diameter Discharge inch</td>
<td>1/4”</td>
<td>1/4”</td>
</tr>
<tr>
<td>Elevation Difference*</td>
<td>Max. 50</td>
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<tr>
<td>Outdoor Above Ft. Max. 50</td>
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<td>Outdoor Below Ft. Max. 50</td>
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Indoor Unit: Ceiling Recessed Type

<table>
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<tr>
<th>Model No.</th>
<th>CS-MKE9NB4U / CS-MKE12NB4U / CS-KE18NB4UW</th>
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</thead>
<tbody>
<tr>
<td>Power Source</td>
<td>230V-208V, 1 PH, 60 Hz</td>
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<tr>
<td>Capacity</td>
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</tr>
<tr>
<td>Cooling Btu/h</td>
<td>9,000</td>
</tr>
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<td>Heating Btu/h</td>
<td>12,300</td>
</tr>
<tr>
<td>Moisture Removal High Pints/H</td>
<td>3.4</td>
</tr>
<tr>
<td>Unit Dimensions (H x W x D) inch</td>
<td>12.5”-16” x 24”-19/32” x 24”-19/32”</td>
</tr>
<tr>
<td>Net Weight Lbs.</td>
<td>41.3</td>
</tr>
<tr>
<td>Air Circulation (H.M.L) Cooling CFM</td>
<td>221 / 206 / 194</td>
</tr>
<tr>
<td>Heating CFM</td>
<td>247 / 235 / 224</td>
</tr>
<tr>
<td>Operating Sound Cooling dB-A</td>
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<tr>
<td>Heating dB-A</td>
<td>34 / 33 / 32</td>
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<tr>
<td>Refrigerant Tube Diameter Discharge inch</td>
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<td>Elevation Difference*</td>
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<tr>
<td>Outdoor Below Ft. Max. 50</td>
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* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalog)
RAC Multi-System Outdoor Units

Model No.: CU-3KE19NBU

Performance:
- Cooling Capacity: 17,000 Btu/h
- Heating Capacity: 23,200 Btu/h
- Air Circulation: 1,707 CFM
- Number of Connectable Indoor Units: 2–3
- SEER Cooling: 18.0
- EER Cooling: 12.0
- HSPF Heating: 8.8

Electrical Rating:
- Power Supply: 230V / 208V, 1Ph, 60Hz
- Running Ampere A: 6.3 / 7.0
- Power Input W: 1,420
- Maximum Fuse Size Amps: 15A

Features:
- Controls: Microprocessor
- Fan Speeds: Auto (Hi, Me, Lo)
- Compressor: DC Inverter
- Refrigerant: R-410A / 6.17
- Operation Sound: Hi dB-A: 50
- Refrigerant Tubing Connections: Type Flare
- Max. Allowable Tubing Length: 82 (per Unit) 150 (per System)
- Refrigerant Tube Diameter: Discharge: 1/4" x 3
  Suction: 3/8" x 3

Dimensions & Weight:
- Unit Dimensions H x W x D: 29-1/8" x 35-7/16" x 12-19/32"
- Net Weight Lbs.: 143.0

Model No.: CU-4KE31NBU

Performance:
- Cooling Capacity: 29,000 Btu/h
- Heating Capacity: 30,600 Btu/h
- Air Circulation: 1,707 CFM
- Number of Connectable Indoor Units: 2–4
- SEER Cooling: 18.0
- EER Cooling: 11.5
- HSPF Heating: 8.5

Electrical Rating:
- Power Supply: 230V / 208V, 1Ph, 60Hz
- Running Ampere A: 10.4 / 11.4
- Power Input W: 2,300
- Maximum Fuse Size Amps: 20A

Features:
- Controls: Microprocessor
- Fan Speeds: Auto (Hi, Me, Lo)
- Compressor: DC Inverter
- Refrigerant: R-410A / 8.38
- Operation Sound: Hi dB-A: 55
- Refrigerant Tubing Connections: Type Flare
- Max. Allowable Tubing Length: 100 (per Unit) 230 (per System)
- Refrigerant Tube Diameter: Discharge: 1/4" x 4
  Suction: 3/8" x 2 + 1/2" x 2

Dimensions & Weight:
- Unit Dimensions H x W x D: 35-1/32" x 35-7/16" x 12-19/32"
- Net Weight Lbs.: 181.0

Note: It is not possible to connect an outdoor unit to only a single indoor unit. If operated with only one indoor unit installed, the returning refrigerant to the compressor may cause a malfunction.

Test Conditions based on AHRI 210/240
**RAC Multi-Combination Tables Cooling**

Most popular combinations refer to technical manual for complete listing of combinations.

**CU-3KE1NBU**

<table>
<thead>
<tr>
<th>Indoor Unit Combination</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Total Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>7,500 + 9,000 + 11,900</td>
<td>7,500</td>
<td>9,000</td>
<td>11,900</td>
<td>18,400</td>
<td>23,200</td>
<td>29,200</td>
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<td>7,500 + 17,500</td>
<td>7,500</td>
<td>17,500</td>
<td>18,000</td>
<td>26,000</td>
<td>29,000</td>
<td>32,000</td>
</tr>
<tr>
<td>9,000 + 11,900 + 17,500</td>
<td>9,000</td>
<td>11,900</td>
<td>17,500</td>
<td>28,400</td>
<td>35,400</td>
<td>38,400</td>
</tr>
<tr>
<td>7,500 + 7,500 + 9,000 + 11,900</td>
<td>7,500</td>
<td>7,500</td>
<td>9,000</td>
<td>11,900</td>
<td>26,900</td>
<td>35,800</td>
</tr>
<tr>
<td>7,500 + 7,500 + 11,900 + 17,500</td>
<td>7,500</td>
<td>7,500</td>
<td>11,900</td>
<td>17,500</td>
<td>33,900</td>
<td>39,400</td>
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<tr>
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<td>11,900</td>
<td>11,900</td>
<td>11,900</td>
<td>43,200</td>
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</table>

**CU-4KE31NBU**

<table>
<thead>
<tr>
<th>Indoor Unit Combination</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Total Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>7,500 + 9,000 + 9,000</td>
<td>7,500</td>
<td>9,000</td>
<td>9,000</td>
<td>25,500</td>
<td>29,400</td>
<td>31,900</td>
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<td>7,500 + 7,500 + 9,000 + 17,500</td>
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<td>9,000</td>
<td>17,500</td>
<td>41,500</td>
<td>47,000</td>
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<td>9,000 + 9,000 + 11,900 + 11,900</td>
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<td>11,900</td>
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<td>41,800</td>
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<td>7,500 + 9,000 + 24,200</td>
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<td>9,000</td>
<td>24,200</td>
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<td>35,200</td>
<td>38,200</td>
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<tr>
<td>7,500 + 9,000 + 11,900 + 11,900</td>
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<td>11,900</td>
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</tr>
<tr>
<td>7,500 + 11,900 + 11,900 + 17,500</td>
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<td>11,900</td>
<td>11,900</td>
<td>17,500</td>
<td>48,800</td>
<td>51,900</td>
</tr>
</tbody>
</table>
Ceiling-Suspended Heat Pumps

Quiet Operation
The ceiling-mounted unit is equipped with a highly efficient, multi-blade centrifugal fan that generates a powerful, yet gentle airflow throughout the room. A redesigned aerodynamically tested louver structure minimizes operational sound even at high fan speed.

Improved Serviceability / Easy Installation
External suspension method. Installation time can be shortened.

Improved accessibility to electronic components (control box) for servicing.

Auto-Louver Function Provides Optimum Airflow During Heating or Cooling Operation
Auto-louver function is a standard feature which provides optimum airflow during heating or cooling operation. Angle of louver is automatically set for heating or cooling. For example, when heating, when fan speed is set to low, the discharge is aimed downward so that warm air reaches the floor. Louver angle can be set to between 4°F above and 8°F below the horizontal in five steps. An auto-sweep function to distribute the airflow over a wide area is also provided. Wind direction is adjusted automatically in both heating and cooling operation. Louver can also be set to swing automatically from F1 to F5 in any operation mode (heat pump type only).

Fresh Air Intake Capability and Duct Extension
Ceiling-suspended models have the capability of bringing fresh air from outside using an air-intake duct (field supplied).
4-Way Recessed Air Conditioners & Heat Pumps

4-way Recessed Air Conditioners provide conditioned air to another, supply) to the upper plenum and you may attach a duct (field installation near 1 wall to provide 3 or 2 way airflow. Also, comfort. However, 1 or 2 supply louvers can be closed for resistance of the air path, one of the industry’s lowest in all Directions.

4-Way Airflow Design Sends Cool Air in all Directions
Air is returned through the center of the grille, while newly distributing air through each of the 4 supply air openings. Installation in the center of the room provides for the greatest comfort. However, 1 or 2 supply louvers can be closed for installation near 1 wall to provide 3 or 2 way airflow. Also, by closing off 1 supply louver, you may attach a duct (field supply) to the upper plenum and provide conditioned air to another, separate area.

Whisper-Quiet Operation
Thanks to the newly developed turbo fan and decreased resistance of the air path, one of the industry’s lowest levels of noise has been achieved.

Integrated Drain Pump
Drain pump is built into the unit to raise the condensate up 20 inches from the drain pump discharge.

Fresh Air Intake Plenum (Option)
When used to take in fresh air, attach the optional fresh air intake plenum to the unit. CZ-26BCU1U for S-26PU1U6, CZ-42BCU1U for S-42PU1U6.

| Model No. | Width | Height | Depth | Refrigerant Pipe Length
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>S-26PU1U6</td>
<td>22-3/4&quot;</td>
<td>11-1/2&quot;</td>
<td>22-3/4&quot;</td>
<td>3/8&quot;</td>
</tr>
</tbody>
</table>

Dimensions & Weight

<table>
<thead>
<tr>
<th>Indoor Unit</th>
<th>Outdoor Unit</th>
<th>Indoor Unit</th>
<th>Outdoor Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>Height</td>
<td>Depth</td>
<td>Weight</td>
</tr>
<tr>
<td>33-55/64&quot;</td>
<td>13-5/16&quot;</td>
<td>33-55/64&quot;</td>
<td>59.0 Lbs.</td>
</tr>
<tr>
<td>13-5/16&quot;</td>
<td>30-23/32&quot;</td>
<td>13-5/16&quot;</td>
<td>60.0 Lbs.</td>
</tr>
</tbody>
</table>

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalog for more details.)
Concealed Ducted Heat Pumps

Optional Accessories

Concealed Ducted Air Conditioners

Indoor Unit U-36PE1U6

S-26PF1U6

36PEF1U6

Indoor Unit S-36PF1U6

Outdoor Unit U-36PE1U6

Suction pipes are 8” dia. (Field Supplied)

Indoor Unit

High-performance filter field installed.

Outline diagram with medium or high-performance filter field installed.

Installation Example

The picture shows the standard ducting system, where air is taken in from the back of the unit.

This system is useful for places that need extended air conditioning, including conference halls, showrooms, and restaurants.

Concealed Ducted Heat Pumps

Features

Indoor Unit

- Low Ambient Control
- Built-In Drain discharge.
- 20 inches from the drain pump unit to raise the condensate up

Outdoor Unit

- Built-In Drain
- Discharge

Dimensions & Weight

Indoor Unit

- Height: 12-7/32”
- Width: 39-3/8”
- Depth: 24-13/16”
- Net Weight: 71.0 Lbs.

Outdoor Unit

- Height: 30-23/32”
- Width: 58-9/32”
- Depth: 13-3/8”
- Net Weight: 128.0 Lbs.

Performance & Electrical Ratings

Indoor Unit

- SEER Cooling: 14.0
- Elevation Difference: Outdoor Above 100 Ft.

Outdoor Unit

- Elevation Difference: Outdoor Above 100 Ft.
- Heat Pumps: 9.0
- Refrigerant Control: 0˚F
- Electric Expansion Valve: Built-in
- Controls: Microprocessor
- External Static Pressure: 0.20 in. WC
- Power Input: Cooling 2,600 W
- Running Amps: Cooling 13.6 A
- Moisture Removal: High: 7.7 Pints/H
- Refrigerant Piping Type: Flare
- HSPF Heating: 8.5

Elevation Difference**

Indoor Unit

- Outdoor Above: 100 Ft.
- Height: 12-7/32”
- Width: 37”
- Depth: 24-13/16”
- Net Weight: 104.0 Lbs.

Outdoor Unit

- Outdoor Above: 100 Ft.
- Height: 30-23/32”
- Width: 37”
- Depth: 13-3/8”
- Net Weight: 143.0 Lbs.

** This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalog for more details.)
Remote Controller Options for Models 26,000 BTU's and Larger

Wired Remote Controllers (Except KE30/36NKU, KS30/36NKU)

- **Simplified Remote Controller**
- **Timer Remote Controller**
- **System Controller**

Wireless Remote Controllers

- **Applicable Unit**
  - **Built-in type**
  - **External type**

Remote Controllers Functions

- **Function**
  - **Cooling, dry**
  - **Setting Range**
  - **Group control**
  - **Operation**
  - **Heating**
  - ** dry**
  - **Setting Range**

Wiring Schematics

- **9,000 - 24,000 Btu/h single zone, KS30/36NKUA, KE30/36NKU**
- **26,000 - 42,000 Btu/h single zone wiring schematic (Except KS30/36NKUA, KE30/36NKU)**
- **RAC Multi wiring schematic**

*These wiring diagrams are for reference only. Please refer to installation manual for details.

*Disconnect Switch to be field supplied.
### Operation Range

**PAC Outdoor**
- 2 types / 10 models

**PAC Indoor**
- 5 types / 15 models (13 models, Panel: 2 models)

**Cooling Models KS30/36NKUA**

**Low Ambient Cooling Models (S9/12/18/24NKUA)**

**Cooling Models (S9/12/18/22NKU-1)**

### Operation Range

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Indoor Air Intake Temp.</th>
<th>Outdoor Air Intake Temp.</th>
<th>Rated COP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum</td>
<td>95°F DB / 71°F WB</td>
<td>115°F DB</td>
<td>6.2</td>
</tr>
<tr>
<td>Minimum</td>
<td>67°F DB / 57°F WB</td>
<td>14°F DB</td>
<td>5.6</td>
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### Ratings Conditions

<table>
<thead>
<tr>
<th>Indoor air temperature</th>
<th>Cooling</th>
<th>Heating</th>
</tr>
</thead>
<tbody>
<tr>
<td>85°F DB / 67°F WB</td>
<td>11°F DB / 10°F WB</td>
<td></td>
</tr>
<tr>
<td>17°F DB / 14°F WB</td>
<td>21°F DB / 20°F WB</td>
<td></td>
</tr>
</tbody>
</table>

### RAC (37 models) Controllers

- Mini Cassette
- Outdoor Unit: Wall Mount
- Multi
- Flexi

### System Models

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>XHPX10A</td>
<td>36kW</td>
</tr>
<tr>
<td>XHPX12A</td>
<td>12kW</td>
</tr>
</tbody>
</table>

### Tubing Sizes, Lengths and Elevation Differences, Refrigerant Charge Adjustment and Insulation Chart

<table>
<thead>
<tr>
<th>Category Models</th>
<th>System Models</th>
<th>SEER Tube Size (In.)</th>
<th>Maximum Length on Tubing Between Int/Ext</th>
<th>Maximum Elevation Difference (Int/Ext)</th>
<th>Additional Refrigerant (Oz/ft)</th>
<th>Insulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAC Indoor 5 types / 15 models, Panel: 3 models</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>