

# Panasonic Ductless Split Air Conditioner

## Frequently Asked Questions

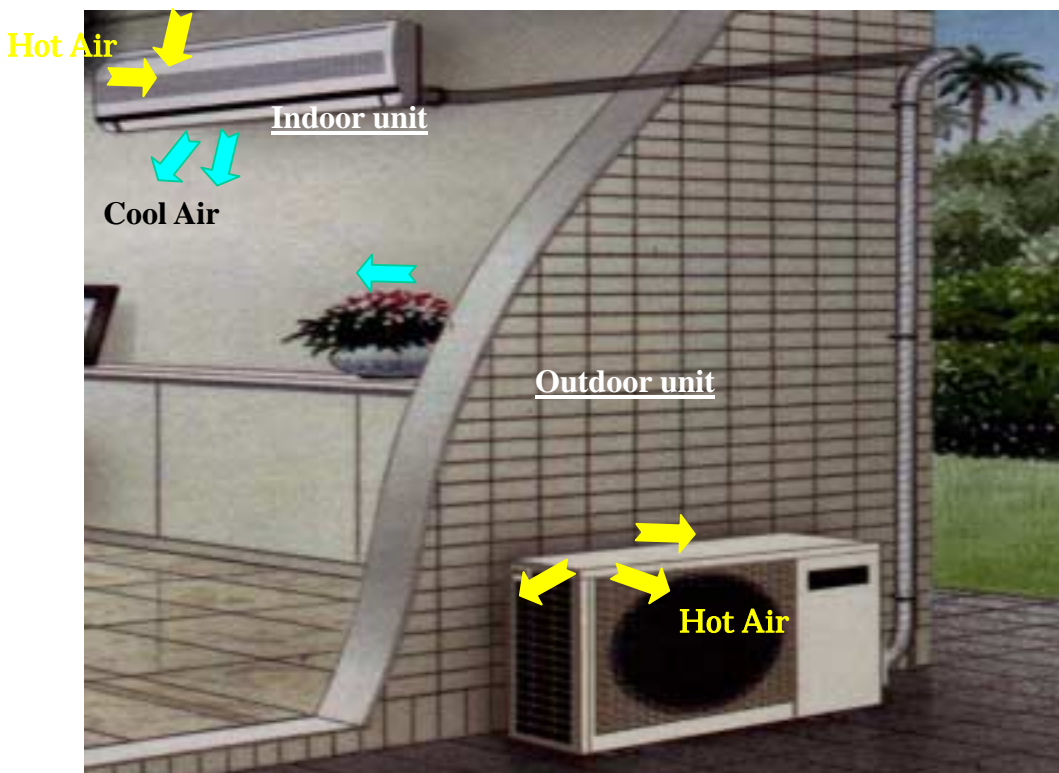
### Q: What is a Panasonic Ductless Split Air Conditioner?

A: Panasonic Ductless Split Air Conditioner is an air conditioner that is comprised of two units that are connected to each other without ducts, but by means of small copper tubing.

The condenser (outdoor unit) is placed outside of the building. The condenser delivers the coolant to the evaporator via copper tubing that enters the building through a small opening in the wall.

The evaporator (indoor unit) is installed on the wall in the room that is to be cooled. It intakes the warm air in the room, cools it by passing it through a heat exchanger, and dispenses the cooled (and filtered) air back into the room.

### Typical Installation



## Frequently Asked Questions (CONT.)

**Q: What are the benefits of using a Panasonic Ductless Split Air Conditioner versus window air conditioner?**

A: The benefits are as follows:

- ⌘ Super quiet operation (see diagram below for noise comparison)
- ⌘ No “seasonal” window re-installation required
- ⌘ High-energy efficiency
- ⌘ Improved in-door air quality due to multi-stage filtration
- ⌘ User-friendly remote operation
- ⌘ Aesthetic appearance



**Q: Why Panasonic Ductless Split Air Conditioners have a lower noise level than window air conditioners?**

A: In conventional Window Air Conditioner, most of the noise is generated by the compressor and fan, which are combined in a single unit mounted in a window. Panasonic Ductless Split Air Conditioner allows for separation of the noisy compressor and fan from the indoor unit. In addition, the Panasonic Split Air conditioner utilizes an advanced fan design that further reduces noise from both the indoor and outdoor units.

## Frequently Asked Questions (CONT.)

**Q: What are the models of Ductless Split Air Conditioners that Panasonic currently offers?**

A: As of this writing, Panasonic offers 7 **models** of ductless split air conditioner:

≠# **Cooling action only**

	<u>Indoor unit</u>	<u>Outdoor unit</u>	<u>Voltage</u>
9,000 Btu/hr	CS-C9CKPG	CU-C9CKP6G	115 volts
12,000 Btu/hr	CS-C12CKPG	CU-C12CKP6G	115 volts
18,000 Btu/hr	CS-C18BKP	CU-C18BKP	230 volts
24,000 Btu/hr	CS-C24BKP	CU-C24BKP	230 volts

≠# **Cooling action combined with heat pump**

	<u>Indoor unit</u>	<u>Outdoor unit</u>	<u>Voltage</u>
9,000 Btu/hr	CS-A9CKPG	CU-A9CKP6G	115 volts
12,000 Btu/hr	CS-A12CKPG	CU-A12CKP6G	115 volts
18,000 Btu/hr	CS-A18CKPG	CU-A18CKP6G	230 volts

**Q: What is the SEER (energy rating) and noise levels of Panasonic Ductless Split Air Conditioners?**

A: For cooling-only models the rating are as follows:

Indoor unit Outdoor unit	CS-C9CKPG CU-C9CKP6G	CS-C12CKP CU-C12CKP6G	CS-C18BKP CU-C18BKP	CS-C24BKP CU-C24BKP
<b>SEER:</b>	<b>12.3</b>	<b>11.2</b>	<b>10.3</b>	<b>10.0</b>
<b>Noise (db):</b>				
Indoor (Hi/Lo)	<b>36 / 26</b>	<b>39 / 29</b>	<b>42 / 37</b>	<b>46 / 40</b>
Outdoor (Hi/Lo)	<b>49</b>	<b>49</b>	<b>56</b>	<b>61</b>

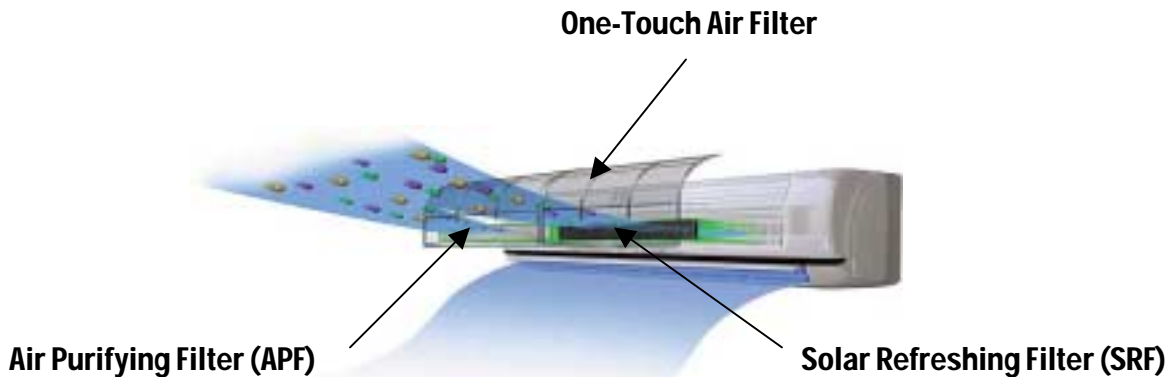
## Frequently Asked Questions *(CONT.)*

Units that combine the cooling and heating functions have the following ratings:

Indoor unit Outdoor unit	CS-A9CKPG CU-A9CKP6G	CS-A12CKP CU-A12CKP6G	CS-A18BKP CU-A18BKP
<b>SEER:</b>	<b>10.8</b>	<b>10.6</b>	<b>10.0</b>
<b>Noise (db):</b>			
Indoor (Hi/Lo)	<b>36 / 26</b>	<b>39 / 29</b>	<b>44 / 38</b>
Outdoor (Hi/Lo)	<b>49</b>	<b>49</b>	<b>56</b>

### **Q: Is the cooled air filtrated?**

A: Yes. In order to provide the cleanest air possible, Panasonic Ductless Split Air Conditioners offer 3 levels of air filtration. The filtration takes place in the indoor unit.



### **Q: What is the Solar Refreshing Filter (SRF)?**

A: SRF is a deodorizing filter which is filled with charcoal, and which absorbs tobacco smoke, pet dander, and similar airborne contaminants. It helps to remove odor from the air during the system's operation. SRF's deodorizing property can be easily regenerated by placing the filter in the sunlight for 6 hours, every six months. Typically, the filter lasts for about three years.

## Frequently Asked Questions *(CONT.)*

### **Q: What are the cleaning recommendations?**

A: The indoor unit comes with an easily removable front grille. If needed, it can be washed with soap and water or any other non-abbrasive and neutral detergent.

### **Q: Can Panasonic Ductless Split Air Conditioner be operated with a remote control?**

A: Yes. All Panasonic Ductless Split Air Conditioners can be operated with wireless (infrared) remote controls. The controls are outfitted with large display screens and buttons that are easily visible in the dark. The remote controls allow for pre-programmed modes (powerful, economy or quiet) or can be used to for manual settings (airflow direction, fan speed, temperature setting, timer operation etc.)

### **Q: How can the room be cooled quickly?**

A: All Panasonic Ductless Split Air Conditioners will override the normal settings when the **Powerful Mode** is activated. Activating this mode will result in the following action:

- ⌘ Airflow flap will point **down 10 degrees**
- ⌘ Temperature will set **5.4 F lower** than the original temperature.
- ⌘ Fan speed will set to **Super High**

In the Powerful Mode, the room will be cooled in approximately 15 minutes after which time, the system will return to its original settings.

## Frequently Asked Questions (CONT.)

**Q: Can the Panasonic Ductless Split Air Conditioner be operated in Energy Saving Mode?**

A: Yes. All Panasonic Ductless Split Air Conditioners utilize the **Economy Mode**. Activating this mode will result in the following:

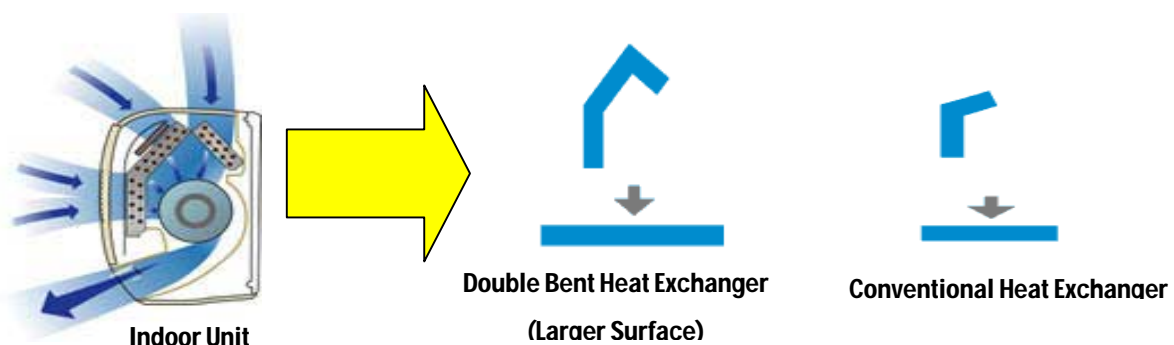
- ⌘ Airflow flap will be set into **auto swing**
- ⌘ Temperature will set **0.9 F higher** than the original temperature
- ⌘ Fan speed will set to **Super Low**

This mode is recommended when saving energy is preferred. It will last until manually turned off.

**Q: What makes Panasonic Ductless Split Air Conditioners so efficient?**

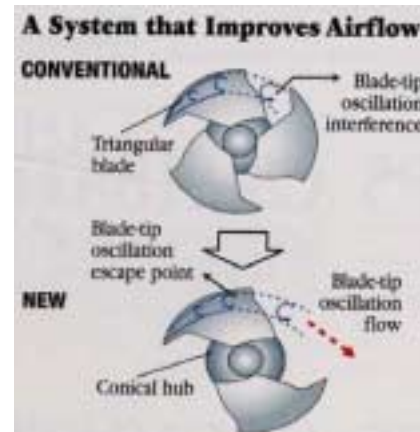
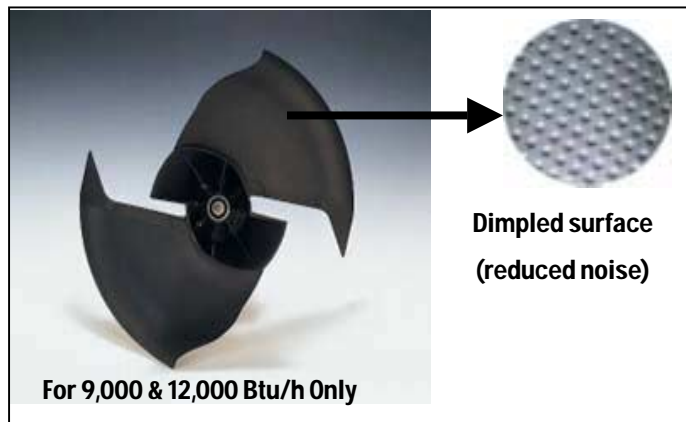
A: Enhanced performance of Panasonic Ductless Split Air Conditioner is achieved by:

a) Unique (double bent) design of the indoor unit, which allows for larger heat exchanger surface and, subsequently, for higher efficiency of the system.



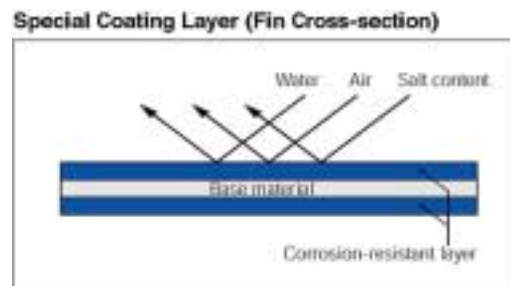
## Frequently Asked Questions (CONT.)

b) Unique design of the fan of the outdoor unit. The two-wing, conically shaped fans, with dimples on their work surface, not only increase the efficiency but also lower the noise level of the outdoor unit.



**Q: What contributes to the outdoor unit's longevity?**

A: Outdoor unit incorporates a condenser, fins of which are coated with a protective substance that makes them resistant to corrosive elements in the air and the rainwater. Tests conducted by Panasonic evidenced that coating of the condenser fins greatly extends the life expectancy of the outdoor unit.



## Frequently Asked Questions *(CONT.)*

**Q: Can Panasonic Ductless Split Air Conditioners be operated with a timer?**

A: Yes. All Panasonic Split Air conditioners come with 24-hour timers incorporated into remote controls.

**Q: What is the Sleep Mode function?**

A: Sleep Mode function, when activated, will result in gradual increase of temperature during the sleep time. This increase will not affect the comfort level but it will reduce energy consumption.

**Q: If due to power interruption the air conditioner will shut-off, what will happen after the power returns?**

A: All Panasonic Ductless Split Air Conditioners are equipped with an Auto Restart feature. After the power has been interrupted, the air conditioner will restart automatically. The original setting will not change.