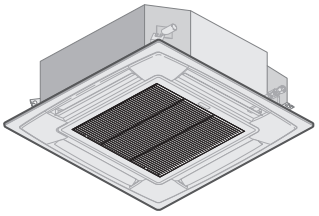
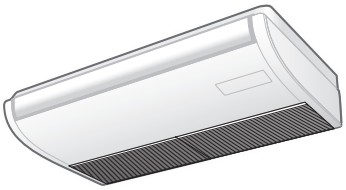


Type U2



Type T2

Panasonic®

Operating Instructions
Air Conditioner

Model No.

Indoor Units

Type	Indoor Unit Type	Nominal Capacity		
		26	36	42
U2	4-Way Cassette 36" x 36"	S-26PU2U6 (CZ-36KPU3U)*	S-36PU2U6 (CZ-36KPU3U)*	S-42PU2U6 (CZ-36KPU3U)*
T2	Ceiling	S-26PT2U6	S-36PT2U6	S-42PT2U6

* Panel (optional parts)

- Connectable outdoor unit lineup
  This booklet is the operating instructions for indoor unit. Regarding the outdoor unit, see the operating instructions supplied with the outdoor unit.

Outdoor Units

Type	Outdoor Unit Type	Nominal Capacity			
		26	36	42	Remarks
U	Single	U-26PE1U6	U-36PE1U6	U-42PE1U6	Cooling/Heating

This air conditioner uses the refrigerant R410A.

Before operating the unit, read these operating instructions thoroughly and keep them for future reference.

Panasonic Corporation
1006 Kadoma, Kadoma City, Osaka, Japan

F569999

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PRODUCT INFORMATION

If you have problems or questions concerning your Air Conditioner, you will need the following information. Model and serial numbers are on the nameplate of the unit.

Model No. _____ Serial No. _____

Date of purchase _____

Dealer's address _____

Phone number _____

ALERT SYMBOLS

The following symbols used in this manual, alert you to potentially dangerous conditions to users, service personnel or the appliance:

WARNING

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.

CAUTION

This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

INSTALLATION LOCATION

- **We recommend that this air conditioner be installed properly by qualified installation technicians in accordance with the Installation Instructions provided with the unit.**
- Before installation, check that the voltage of the electric supply in your home or office is the same as the voltage shown on the nameplate.

WARNING

- **Do not install this air conditioner where there are fumes or flammable gases, or in an extremely humid space such as a greenhouse.**
- **Do not install the air conditioner where excessively high heat-generating objects are placed.**

Avoid: To protect the air conditioner from heavy corrosion, avoid installing the outdoor unit where salty sea water can splash directly onto it or in sulphurous air near a spa.

ELECTRICAL REQUIREMENTS

WARNING

- All wiring must conform to the local electrical codes. Consult your dealer or a qualified electrician for details.
- It is strongly recommended to be installed with Earth Leakage Circuit Breaker (ELCB) or Residual Current Device (RCD) to prevent electric shock or fire.
- Each unit must be properly grounded with a ground (or earth) wire or through the supply wiring.
- Wiring must be done by a qualified electrician.

CAUTION

To warm up the system, the power mains must be turned on at least five (5) hours before operation. Leave the power mains ON unless you will not be using this appliance for an extended period.

NOTE

Pull off the power plug from a receptacle, or switch off the breaker, or switch off the power disconnecting mean to isolate the air conditioner from the main power supply when not in use for a long time.

SAFETY INSTRUCTIONS

- **Read these Operating Instructions carefully before using this air conditioner. If you still have any difficulties or problems, consult your dealer for help.**
- **This air conditioner is designed to give you comfortable room conditions. Use this only for its intended purpose as described in these Operating Instructions.**

WARNING

- **Confirm to authorized dealer or specialist on usage of specified refrigerant type. Using of refrigerant other than the specified type may cause product damage, burst and injury etc.**
- **Never touch the unit with wet hands.**
- **Never use or store gasoline or other flammable vapor or liquid near the air conditioner — it is very dangerous.**
- **Do not use this appliance in a potentially explosive atmosphere.**
- **This air conditioner has no ventilator for intaking fresh air from outdoors. You must open doors or windows frequently when you use gas or oil heating appliances in the same room, which consume a lot of oxygen from the air. Otherwise there is a risk of suffocation in an extreme case.**
- **To prevent possible hazards from insulation failure, the unit must be grounded.**
- **Do not clean inside the indoor and outdoor units by users. Engage authorized dealer or specialist for cleaning.**
- **In case of malfunction of this appliance, do not repair by yourself. Contact to the sales dealer or service dealer for a repair.**
- **Check for a leaking refrigerant! Refrigerant gas may produce a toxic gas if it comes in contact with fire.**

WARNING

- **For safety, be sure to turn the air conditioner off and also to disconnect the power before cleaning or servicing.**
- **Pull off the power plug from a receptacle, or switch off the breaker, or switch off the power disconnecting mean to isolate the air conditioner from the main power supply in case of emergency.**
- **Do not sit or step on the unit.**
  You may fall down accidentally.

CAUTION

- **Do not turn the air conditioner on and off from the power mains switch. Use the ON/OFF operation button.**
- **Do not stick anything into the air outlet of the outdoor unit.**
  This is dangerous because the fan is rotating at high speed.
- **Do not touch the air inlet or the sharp aluminum fins of the outdoor unit. You may get injured.**
- **Keep the fire alarm and the air outlet at least 5 feet (1.5 m) away from the unit.**
- **Do not let children play with the air conditioner.**
- **Do not cool or heat the room too much if babies or invalids are present.**
- **Do not stick any object into the FAN CASE.**
  You may be injured and the unit may be damaged.

NOTICE

The compressor may occasionally stop during thunderstorms.
This is not a mechanical failure. The unit automatically recovers after a few minutes.

OPERATION CONDITION

Use this air conditioner under the following temperature range.

Single Split System

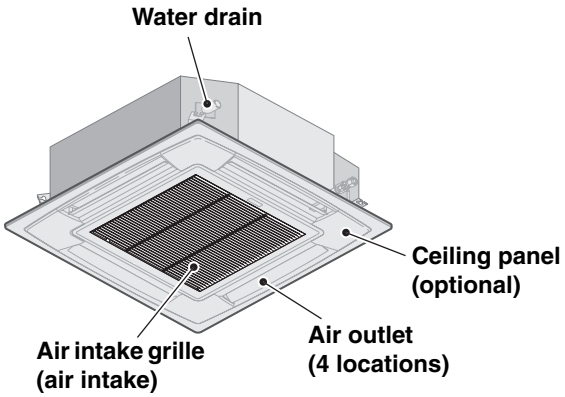
Temperature range (°F/°C)		Indoor		Outdoor	
		*DBT	*WBT	*DBT	*WBT
Cooling	Max.	90/32	77/25	115/46	–/–
	Min.	64/17.8	57/14	14/-10	–/–
Heating	Max.	86/30	–/–	75/24	64/17.8
	Min.	61/16	–/–	-4/-20	-4/-20

* DBT: Dry bulb temperature
* WBT: Wet bulb temperature

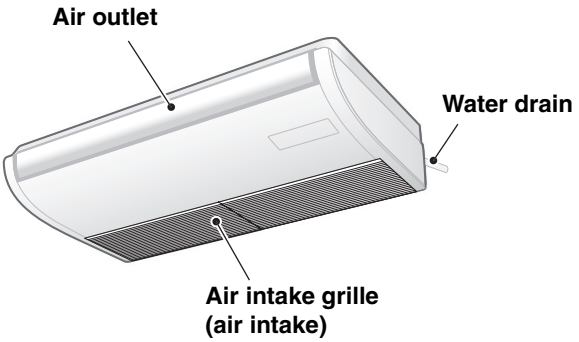
NAMES OF PARTS

INDOOR UNIT

Type U2 (4-Way Cassette 36" x 36")

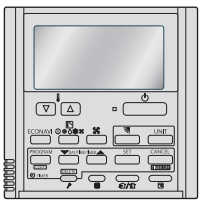


Type T2 (Ceiling)



Timer Remote Controller (Optional parts)

NOTE Refer to the Operating Instructions attached to the optional Timer Remote Controller.



(CZ-RTC4)

High-spec Wired Remote Controller (Optional parts)

NOTE Refer to the Operating Instructions attached to the optional High-spec Wired Remote Controller.

(CZ-RTC3)
(CZ-RTC5)

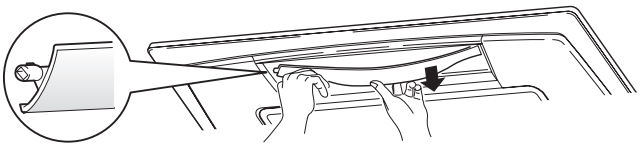
ADJUSTING AIRFLOW DIRECTION

■ **4-Way Cassette 36" x 36" (Type U2)**

This air conditioners are equipped with auto flaps.
You can set the airflow direction to a specific angle or to the sweep mode using the remote controller.

CAUTION **Do not move the flap with your hands.**

- The air outlet flap can be easily removed and washed with water.
- Be sure to always stop operation before removing the flap.
- After washing with water, allow it to dry, and then remount it with the arrow facing outward.



■ **Ceiling (Type T2)**

A. Vertical directions (automatic)
This air conditioner is equipped with an auto flap. You can set the airflow direction to a specific angle or to the sweep mode using the remote controller. (Refer to the description of the remote controller.)

CAUTION **Do not move the flap with your hands.**

B. Horizontal directions (manual)
The horizontal airflow direction can be adjusted manually by moving the vertical vanes to the left or right.

SPECIAL REMARKS

"DRY" Operation

- Once the room temperature reaches the level that was set, the unit repeats the cycle of turning on and off automatically.
- In order to prevent the humidity in the room from rising again, the indoor fan also turns off when the unit stops operating.
- The fan speed is set to "LO." automatically, and cannot be adjusted.
- "DRY" operation is not possible if the outdoor temperature is 59°F or less.

Heating Performance

- Since this air conditioner utilizes outside air for heating, its heating performance deteriorates as outside temperature decreases. (Due to heat pump system)
- It will take some time until the room becomes warmer after heating operation started. (Due to hot air circulation system in order to heat a whole room)

Defrosting

- This appliance may start defrosting operation to melt frost form in the outdoor unit during long hour heating operation mode.
  The indoor unit fan will stop for about 5 to 10 minutes at this time.

Heating Standby

The remote controller shows "" (Heating standby) on the display in the following mode and the indoor unit fan may be controlled.

- When operation started (Indoor unit fan stops for maximum 6 minutes.)
- When Thermostat activated
- When defrosting (Indoor unit fan stops.)

Remote Control Sensor

The temperature sensor in the indoor unit normally senses the room temperature and can also sense the ambient temperature of the remote controller.
For the details, consult the shop you purchased.

Should the power failure occurs while the unit is running

When the unit automatically resumes operation after temporary power failure, it uses the same settings before the power was cut off.

CARE AND CLEANING

Do not attempt to clean inside the unit by yourself.
Refer to the section “Care and Cleaning” in the Installation Instructions.

WARNING

1. **For safety, be sure to turn the air conditioner off and also to disconnect the power before cleaning.**
2. **Do not pour water on the indoor unit to clean it. This will damage the internal components and cause an electric shock hazard.**

Air intake and outlet side (Indoor unit)

Clean the air intake and outlet side of the indoor unit with a vacuum cleaner brush, or wipe them with a clean soft cloth.

If these parts are stained, use a clean cloth moistened with a mild liquid detergent. When cleaning the air outlet side, be careful not to force the vanes out of place.

CAUTION

1. **Never use solvents or harsh chemicals when cleaning the indoor unit. Do not wipe plastic parts using very hot water.**
2. **Some metal edges and the fins are sharp and may cause injury if handled improperly; be especially careful when you clean these parts.**
3. **The internal coil and other components of the outdoor unit must be cleaned every year. Consult your dealer or service center.**

Air filter

The air filter collects dust and other particles from the air and should be cleaned at regular intervals when the filter indication (▦) on the display of the remote controller (wired type) shows that the filter needs cleaning. If the filter gets blocked, the efficiency of the air conditioner drops greatly.

NOTE

The frequency with which the filter should be cleaned depends on the environment in which the unit is used.

TROUBLESHOOTING

If your air conditioner does not work properly, first check the following points before requesting service. If it still does not work properly, contact your dealer or a service center.

INDOOR UNIT

Symptom		Cause
Noise	Sound like streaming water during operation or after operation	• Sound of refrigerant liquid flowing inside unit • Sound of drainage water through drain pipe
	Cracking noise during operation or when operation stops.	Cracking sound due to temperature changes of parts
Odor	Discharged air is smelled during operation.	Indoor odor components, cigarette odor and cosmetic odor accumurated in the air conditioner and its air is discharged. Unit inside is dusty. Consult your dealer.
Dewdrop	Dewdrop gets accumurated near air discharge during operation	Indoor moisture is cooled by cool wind and accumulated by dewdrop.
Fog	Fog occurs during operation in cooling mode. (Places where large amounts of oil mist exist at restaurants.)	• Cleaning is necessary because unit inside (heat exchanger) is dirty. Consult your dealer as technical engineering is required. • During defrost operation
Fan is rotating for a while even though operation stops.		• Fan rotating makes operation smoothly. • Fan may sometimes rotate because of drying heat exchanger due to settings.
Wind-direction changes while operating. Wind-direction setting cannot be made. Wind-direction cannot be changed.		• When air discharge temperature is low or during defrost operation, horizontal wind flow is made automatically. • Flap position is occasionally set up individually.
When wind-direction is changed, flap operates several times and stops at designated position.		When wind-direction is changed, flap operates after searching for standard position.
Dust		Dust accumulation inside indoor unit is discharged.
Poor cooling or heating performance		The indoor unit is initially designed to control the indoor temperature detected by the built-in room sensor inside the indoor unit. Due to indoor unit installation position, however, the built-in sensor may occasionally sense temperature improperly; for example, temperature difference between the ceiling and floor, lighting apparatus, electric fan, windows or waist-high partition walls, etc. In this case, the unit does not operate properly at the desired temperature. You may change the use of the temperature sensor inside the indoor unit to that of the remote controller. Then the desired room temperature can be controlled properly. For details, consult your dealer.

CHECK BEFORE REQUIRING SERVICES

Symptom	Cause	Remedy
Air conditioner does not run at all although power is turned on.	Power failure or after power failure	Press ON/OFF operation button on remote controller again.
	Operation button is turned off.	• Switch on power if breaker is turned off. • If breaker has been tripped, consult your dealer without turning it on.
	Fuse blow out.	If blown out, consult your dealer.
Poor cooling or heating performance	Air intake or air discharge port of indoor and outdoor units is clogged with dust or obstacles.	Remove dust or obstruction.
	Wind speed switch is set to “Low”.	Change to “High” or “Strong”.
	Improper temperature settings	Refer to “TIPS FOR ENERGY SAVING”.
	Room is exposed to direct sunlight in cooling mode.	
	Doors and /or windows are open.	
	Air filter is clogged.	Refer to “CARE AND CLEANING”.
	Too much heat sources in room in cooling mode.	Use minimum heat sources and in a short time.
	Too many people in room in cooling mode.	Reduce temperature settings or change to “High” or “Strong”.

If your air conditioner still does not work properly although you checked the points as described above, first stop the operation and turn off the power switch. Then contact your dealer and report the serial number and symptom. Never repair your air conditioner by yourself since it is very dangerous for you to do so. You also report if the inspection mark ⚠ and the letters E, F, H, L, P in combination with the numbers appear on the LCD of the remote controller.

TIPS FOR ENERGY SAVING

Avoid

- **Do not block the air intake and outlet of the unit. If either is obstructed, the unit will not work well, and may be damaged.**
- Do not let direct sunlight into the room. Use sunshades, blinds or curtains. If the walls and ceiling of the room are warmed by the sun, it will take longer to cool the room.

Do

- Always try to keep the air filter clean. (Refer to “CARE AND CLEANING”.) A clogged filter will impair the performance of the unit.
- To prevent conditioned air from escaping, keep windows, doors and any other openings closed.

NOTE

Should the power fail while the unit is running

If the power supply for this unit is temporarily cut off, the unit will automatically resume operation once power is restored using the same settings before the power was interrupted.

SPECIFICATIONS

■ 4-Way Cassette 36" x 36" (Type U2)

Model Name			S-26PU2U6	S-36PU2U6	S-42PU2U6
Power Source			208 / 230 V, 60 Hz, 1PH		
Cooling Capacity		BTU/h	24,800	32,600	39,000
		kW	7.3	9.6	11.4
Heating Capacity		BTU/h	28,600	37,000	48,000
		kW	8.4	10.8	14.1
Sound Pressure Level (High/Medium/Low)		dB(A)	37/31/28	44/38/32	45/39/33
Unit Dimensions*	H : inch (mm)		11-7/16 (290)	13-29/32 (353)	13-29/32 (353)
	W : inch (mm)		37-13/32 (950)	37-13/32 (950)	37-13/32 (950)
	D : inch (mm)		37-13/32 (950)	37-13/32 (950)	37-13/32 (950)
Net Weight: unit + panel	lbs. (kg)		53+9 (24+4)	60+9 (27+4)	60+9 (27+4)

* Values include the dimension and weight of an optional ceiling panel.

■ Ceiling (Type T2)

Model Name			S-26PT2U6	S-36PT2U6	S-42PT2U6
Power Source			208 / 230 V, 60 Hz, 1PH		
Cooling Capacity		BTU/h	24,000	32,600	39,000
		kW	7.0	9.6	11.4
Heating Capacity		BTU/h	27,000	36,200	44,500
		kW	7.9	10.6	13.0
Sound Pressure Level (High/Medium/Low)		dB(A)	39/35/31	42/37/35	46/40/36
Unit Dimensions	H : inch (mm)		9-1/4 (235)	9-1/4 (235)	9-1/4 (235)
	W : inch (mm)		50-13/64 (1,275)	62-19/32 (1,590)	62-19/32 (1,590)
	D : inch (mm)		27-11/64 (690)	27-11/64 (690)	27-11/64 (690)
Net Weight	lbs. (kg)		73 (33)	88 (40)	88 (40)

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