

Panasonic



Ductless Split HEAT PUMP PRODUCTS

(Large Capacity PAC Type)

INVERTER

NEW



Your Best Choice in Ductless Split Heat Pump Systems

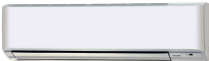
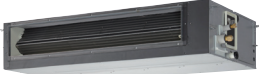
Since 1983, Panasonic Split Heat Pump products offer a wide range of versatile solutions for cooling and heating requirements for single or multiple rooms.

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 minimal ductwork is required, installation is simple, fast and efficient.

The indoor unit has been uniquely designed to provide whisper quiet operation while delivering comfort throughout the room (s).

Panasonic Split Heat Pumps are stylish and offer whisper-quiet operations, quality and reliability you can count on.

New HEAT PUMP MODELS LINEUP (Low Ambient Type)

Btu/h	26,000	36,000	42,000
MODEL (System)	26PEK2U6, 26PET2U6 26PEU2U6, 26PEF2U6	36PET2U6, 36PEU2U6, 36PEF2U6	42PET2U6, 42PEU2U6
New Wall Mounted ECONAVI (Optional)	 S-26PK2U6*		
New Ceiling Suspended ECONAVI (Optional)	 S-26PT2U6*	 S-36PT2U6*	 S-42PT2U6*
New Ceiling Recessed ECONAVI (Optional)	 S-26PU2U6*	 S-36PU2U6*	 S-42PU2U6*
New Concealed Duct ECONAVI (Optional)	 S-26PF2U6	 S-36PF2U6	
Outdoor	 U-26PE1U6	 U-36PE1U6	 U-42PE1U6

*Available from late 2015

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.

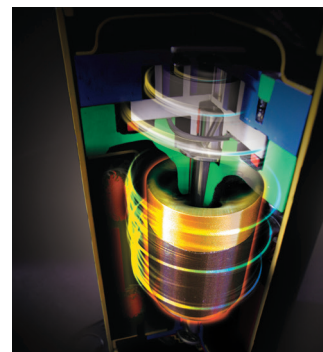
Quick Cooling and Heating

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.

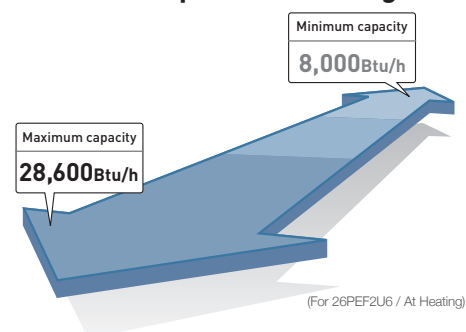
Whisper Quiet Operation

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

INVERTER



Wider Output Power Range



ECONAVI with Intelligent Eco Sensors



Absence and activity detection enables power saving.

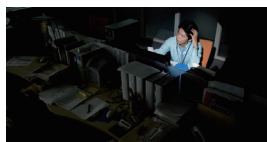
Presence or absence of people at their desks and the level of activity in the office are detected in real time. Set temperature automatically adjusts to optimize the lower power consumption.



In the morning
Thorough cooling when there is a high level of activity



In the afternoon
Reduced cooling when there are fewer people



At night
Automatic Thermo Off depending on conditions at the end of the day*

ECONAVI



ECONAVI sensor
CZ-CENSC1

CZ-CENSC1 needs to be combined with CZ-RTCS/4 to function.

Activity and Presence detection

Activity detection	
HIGHER ACTIVITY	LOWER ACTIVITY
Cooling Set Temp. +/-0°F	Cooling Set Temp. +2°F
Heating Set Temp. -2°F	Heating Set Temp. +/-0 °F
Every 2 min	Every 2 min

Presence detection

After 20 mins absence	After 3 hours absence
Cooling Set Temp. +4°F	Cooling Thermo OFF*
Heating Set Temp. -4°F	Heating Thermo OFF*
After 3 hours the setting can change to Stop or Temperature Shift	

*Depending on conditions, the setting can change to Switch Off After 3 Hours, Thermo Off or Temperature Shift.

Indoor Units

Concealed Duct Type



NEW

ECONAVI

(Optional)

26PEF2U6



S-26PF2U6

36PEF2U6



S-36PF2U6



CZ-RTC3
(Optional)



CZ-CENSC1
(Optional)

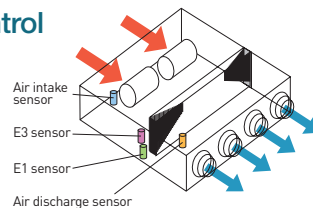
Technical focus

- Variable external static pressure control
- Industry-leading low sound levels from 25 dB(A)
- Built-in drain pump provides 27-1/2 ft lift
- Easy to install and maintain
- Air off sensor avoids cold air drafts during heating operation
- Configurable air temperature control

Discharge air temperature control

- Possible to control discharge air temperature for accurate room temperature control.
- Possible to reduce cold drafts during heating operation.

Before spec-in, please consult with an authorised Panasonic dealer.



Variable external static pressure control

Optimal airflow set-up is possible depending on ducting design and conditions.

For short ducting such as hotels

Optimal Control by DC Motor

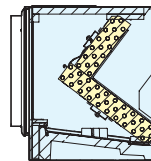
0.04We 0.6We

For long ducting or for usage with high efficiency filter

* Please refer to technical databook for detail.

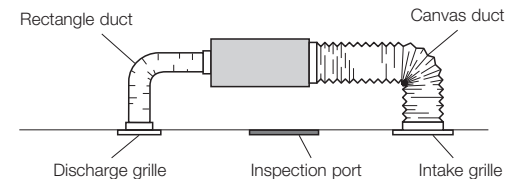
V-shaped heat exchanger

To improve heat exchange efficiency, an original V-shaped heat exchanger was developed incorporating a conventional high-efficiency slit fan and high-efficiency grooved heat transfer tubes. This increases the heat exchange surface area by about 80%.



Increases surface area by about 30 to 80%

System example



SPECIFICATIONS

Concealed Duct						
Model No.			26PEF2U6		36PEF2U6	
Unit Model No.			Indoor unit S-26PF2U6	Outdoor unit U-26PE1U6	Indoor unit S-36PF2U6	Outdoor unit U-36PE1U6
Performance & Electrical Ratings						
Capacity	Cooling	Btu/h	24000(9,500 - 24,000)		31,200(9,500 - 31,200)	
	Heating	Btu/h	28,600(8,000 - 28,600)		36,200(8,000 - 36,200)	
Moisture Removal	High Pints/H		4.6		2.9	
Dry Air Flow	Hi / Med / Low		742/671/530		1201/989/812	
SEER	Cooling 1		16.2		15.5	
EER	Cooling		8.8		8.6	
HSPF	Heating (Canada)		9.8(8.8)		9.0(7.1)	
Power Supply		V, Phase, Hz	230/208 1Ph,		230/208 1Ph,	
Running Amps	Cooling / Heating	A	14.2/15.6 / 13.4/14.8		16.2/17.8 / 14.5/16.0	
Power Input	Cooling	W	120/120	2,600/2,600	220/220	3,380/3,380
	Heating	W	120/120	2,460/2,460	220/221	3,030/3,030
External Static Pressure		in. WC	0.28(min0.04-max0.60)		0.40(min0.04-max0.60)	
Fuse or Circuit Breaker Capacity		A	15		15	
Features						
Controls			Microprocessor		Microprocessor	
Low Ambient Control			Built-in 0°F		Built-in 0°F	
Wireless Remote Controller (optional)			CZ-RWSC3(Receiver)+CZ-RWSK1U(Remote Controller)		CZ-RWSC3(Receiver)+CZ-RWSK1U(Remote Controller)	
Wired Remote Controller (Optional)			CZRTC2/CZRTC4		CZRTC2/CZRTC4	
Fan Speeds			3 and Automatic Control		3 and Automatic Control	
Refrigerant Control			Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Me / Lo)	dB-A	35/32/26		39/35/31	
	Outdoor(Hi)	dB-A	49		52	
Refrigerant Piping Type			Flare		Flare	
Discharge / Suction			3/8 / 5/8		3/8 / 5/8	
Refrigerant Pipe Length			Max165		Max165	
Elevation Difference**			Max100 / Max50		Max100 / Max50	
Dimensions & Weight			Indoor Unit		Indoor Unit	
Height		inches	11-7/16"		11-7/16"	
Width		inches	39-3/8"		55-1/8"	
Depth		inches	27-9/16"		27-9/16"	
Net Weight		Lbs	73		97	
			128		143	

Ceiling Mounted



S-26PT2U6
S-36PT2U6
S-42PT2U6
New Sophisticated Round Design



NEW

ECONAVI

(Optional)



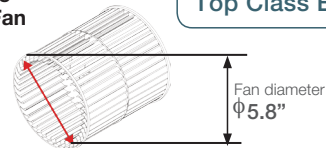
CZ-CENSC1
(Optional)



CZ-RTC3
(Optional)

Energy-Saving Technology Delivering Top-Class Efficiency

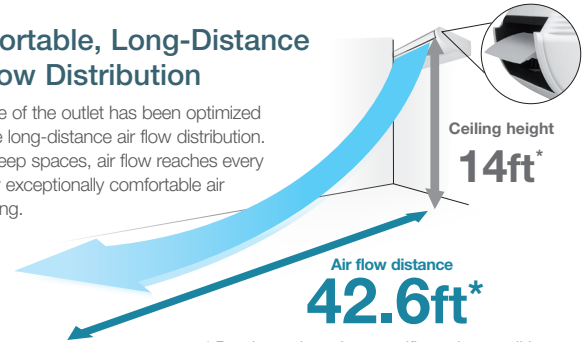
Large Diagonal Air Flow Fan



Top Class Energy Saving

Comfortable, Long-Distance Air Flow Distribution

The shape of the outlet has been optimized to provide long-distance air flow distribution. Even in deep spaces, air flow reaches every corner for exceptionally comfortable air conditioning.



* Results are based on specific testing conditions

4-WAY Cassette



S-26PU2U6
S-36PU2U6
S-42PU2U6

PANEL



CZ-KPU21



NEW

ECONAVI

(Optional)



CZ-RTC3
(Optional)



CZ-CENSC1
(Optional)

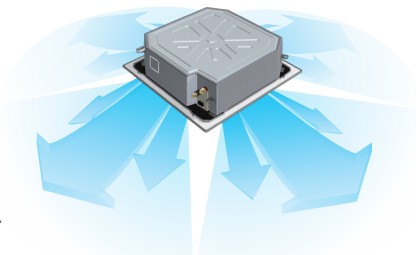
Technical focus

- Compact design
- Reduced sound levels (from previous models)
- DC fan motor for increased efficiency
- Powerful drain pump gives 33-1/2 ft lift
- Lightweight design
- Fresh air knockout
- Branch duct connection

Wide & Comfortable Airflow

A proprietary design features wide-angle discharge outlets and flaps that are larger in the middle, featuring a shape that was selected based on numerical mechanics and testing of actual prototype units. Air coming out of the center of the discharge outlets travels farther. From the sides of each outlet, where the openings are larger, airflow spreads out to reach the corners of the room. Air is discharged across a wide area from the four sides of the unit. The curves on the room temperature distribution graph expand gently out through 360° in a circle centered on the indoor unit.

Comfort/Quiet



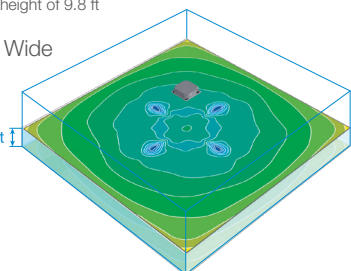
Temperature distribution by thermograph (cooling operation)



Simulation conditions:
P140 4-way ceiling-mounted cassette type in cooling mode
/ Floor area of 2,420 ft²
/ Ceiling height of 9.8 ft

360° Wide

3-1/4 ft



Indoor Units

Wall Mounted



NEW

ECONAVI

(Optional)



S-26PK2U6



CZ-RTC3
(Optional)



CZ-CENSC1
(Optional)

Technical focus

- Closed discharge port when not in use
- Lighter and smaller units make installation easy
- Quiet operation
- Smooth and durable design
- Piping outlet in six directions
- Washable front panel
- Air distribution is automatically altered depending on the operational mode of the unit

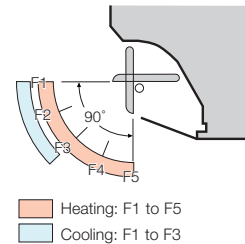
Washable front panel

The indoor unit's front panel can be easily removed and washed for trouble-free maintenance.



Air distribution is automatically adjusted depending on the operational mode of the unit

Air outlet angle is automatically adjusted for cooling and heating operation.



Outdoor Units



U-26PE1U6

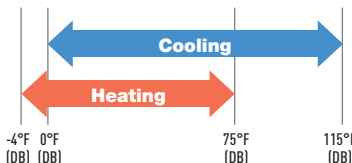


U-36PE1U6



U-42PE1U6

Wide Operation Range



Product Quality and Safety

All Panasonic air conditioners undergo strict quality and safety tests before sale. This rigorous process includes obtaining all necessary safety approvals, to ensure that all air conditioners we sell are not only built to the highest market standards, but are also completely safe.

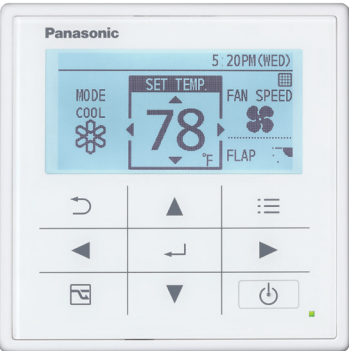
OPERATION SYSTEM	INDIVIDUAL CONTROL SYSTEMS			
Requirements	High-spec operation	Normal operation	Operation from anywhere in the room	
External appearance	New 	New 		
Type, model name	High-spec Wired Remote Controller CZ-RTC3	Timer Remote Controller (Wired) CZ-RTC4*	Wireless Remote Controller CZ-RWSK1U	
Built-in thermostat	●	●	●	
ECONAVI on/off control	●	●	—	
Number of indoor units which can be controlled	1 group, 8 units	1 group, 8 units	1 group, 8 units	
Use limitations	· Up to 2 controllers can be connected per group (When using ECONAVI sensor, only one remote controller is possible to connect at indoor unit)	· Up to 2 controllers can be connected per group.	· Up to 2 controllers can be connected per group. Receiver: · CZ-RWSC3 (Separate installation) · CZ-RWSU3U (New 4way cassette) · CZ-RWST2U (New Ceiling recessed) · CZ-RWSK1U (Current wall mounts) · CZ-RWSD2U (Current 1way cassette)	

*Available from late 2015

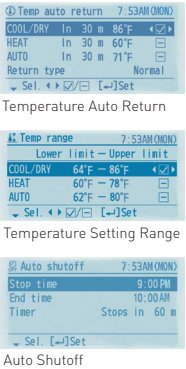
Control Systems

High-spec wired remote controller
[CZ-RTC3]

NEW



Dimensions H 4.7 x W 4.7 x D 0.6 ft



Large 3.5"
Full-dot LCD
with White LED
Backlight



Stylish,
Easy-to-use
Touch
Key Design

Basic Operation

- Individual Louver Control
(Lock individual flap for 4-way cassette)
- ON/ OFF timer
- Weekly Timer
- Filter information*

- Outing function
- Quiet operation mode*
- Power consumption monitor*
- Energy saving
- Initial settings
- Ventilation

* Depending on the model, some menus cannot be used.

ECONAVI Sensor
[CZ-CENSC1]

NEW



Utilises ECONAVI Sensor and Control Program technologies to detect where energy is normally wasted and self-adjusts cooling power to reduce energy waste.

Basic Operation

- Activity detection
- Absence detection

* Must be equipped with CZ-RTC3/4.

INDIVIDUAL CONTROL SYSTEMS		CENTRALISED CONTROL SYSTEMS	
Quick and easy operation		Operation with various function from center station	Simplified load distribution ratio (LDR) for each tenant Touch screen panel
			
Simplified Remote Controller		System Controller	Intelligent Controller
CZ-RE2C2		CZ-64ESMC1U	CZ-256ESMC1U (CZ-CFUNC1U)
●		—	—
—		—	—
1 group, 8 units		64 groups, max. 64 units	64 units x 4 links, max. 256 units
· Up to 2 controllers can be connected per group.		· Up to 10 controllers, can be connected to one system. · Main unit/sub unit (1 main unit + 1 sub unit) connection is possible. · Use without remote controller is possible.	· A communication adaptor (CZ-CFUNC1U) must be installed for three or more links.

Model Identification

Indoor Unit

S – 26 P U 1 U6
1 2 3 4 5 6

Outdoor Unit

U – 36 P S 1 U6
1 2 3 4 5 6

Set

26 P S 1 U6
2 3 4 5 6

1	ModelType	2	Capacity	3	Series	4	Category(Function)	5	Development	6	Voltage
S : Indoor unit		Cooling Capacity in BTU/h	P : Large Capacity series	K : Wall Mount U : Ceiling Recessed T : Ceiling suspended F : Concealed Duct		Development Series	U6 : 208/230V 60Hz				
U : Outdoor Unit				S : Cooling Only H : Heat Pump							



Use of the AHRI Certified™ mark indicates a manufacturer's participation in the certification program. For verification of certification for individual products, go to www.ahridirectory.org



Quality Management System Certificate

Certified to ISO 9001: 2008
Cert. No.: MY-AR 1010

Certified to ISO 9001: 2008

Panasonic HA Air-Conditioning (M) Sdn.Bhd.
Cert. No.: MY-AR 1010

Environmental Management System Certificate

Certified to ISO 14001: 2004
Cert. No.: MY-ER 0112

Certified to ISO 14001: 2004

Panasonic HA Air-Conditioning (M) Sdn.Bhd.
Cert. No.: MY-ER 0112



Serving the US Ductless market since 1983

Panasonic®

Panasonic Corporation of North America
Air Conditioning Group
1690 Roberts Blvd., NW, Suite 110, Kennesaw, GA 30144
WWW.PANASONIC.COM/AIRCON

Panasonic Canada Inc.
Enterprise Product Sales
5770 Ambler Dr., Mississauga, ON, L4W 2T3 CANADA
www.panasonic.ca

Because its products are subject to continuous improvements, Panasonic reserves the right to modify product design and specifications without notice and without incurring any obligations.
©Copyright 2014, Panasonic Air Conditioning Products.



Caution Related to Safety

Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of other refrigerant.

July 2014