PANASONIC COMMERCIAL AIR TO AIR

Here are some of your new air conditioner's major features. Panasonic has developed an impressive range of highly efficient Commercial Air Conditioners. This range confirms our commitment to the environment. Our Inverter compressors optimise performance.

HIGHLIGHTED FEATURES

PACi: Commercial air to air. The compact and high efficiency solution for shops, restaurants, offices or residential applications.

Commercial benefits

Great savings and improved comfort.
Panasonic has developed an impressive range of highly efficient Commercial Air Conditioners. Our Inverter compressors optimise performance.

A wide range for the industry, office or residence.
From the smaller 1x1 to the more complete 4x1 solutions, Panasonic can offer the most comfortable climate with solutions designed for every environment.

High connectivity.
The control systems allow you to manage all of your units for several locations. Receive real time status updates and maintenance alerts, while optimizing costs and energy usage.

Energy saving

Refrigerant gas R32.
Our heat pumps containing the refrigerant R32 show a drastic reduction in the value of Global Warming Potential (GWP). An important step to reduce greenhouse gases. R32 is also a component refrigerant, making it easy to recycle.

Econavi.
Intelligent Human Activity Sensor and Sunlight Sensor technologies that can detect and reduce waste of energy by optimising air conditioner operation according to room conditions. With just one touch of a button, you can save energy.

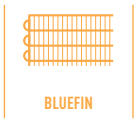
Exceptional seasonal cooling efficiency based on the ErP regulation.
Higher SEER ratings mean greater efficiency. Save all the year while cooling!

Exceptional seasonal heating efficiency based on the ErP regulation.
Higher SCOP ratings mean greater efficiency. Save all the year while heating!

Inverter Plus System.
Inverter Plus System classification highlights the highest performing Panasonic systems.

High efficiency compressor.
Compressors that operate with a wider Hz range realize a more efficient operation throughout the year. For Big PACi Series PE2.

High performance



Bluefin.
Panasonic has extended the life of its condensers with an original anti-rust coating. For Big PACi Series PE2.

Large Fan.
Large fan provides larger airflow rate and very quiet operation at low speed. For Big PACi Series PE2.

DC Fan.
Safe and precise.

Down to -15°C in cooling mode.
The air conditioner works in cooling only mode with an outdoor temperature of -15°C.

Down to -20°C or -15°C in heating mode.
The air conditioner works in heat pump mode even when outdoor temperatures are as low as -20°C or -15°C.

R410A/R22 renewal.
The Panasonic renewal system allows good quality existing R410A or R22 pipe work to be re-used whilst installing new high efficiency R32 systems.

R22 renewal.
The Panasonic renewal system allows good quality existing R22 pipe work to be re-used whilst installing new high efficiency R410A systems.

5 Years compressor warranty.
We guarantee the outdoor unit compressors in the entire range for five years.

High connectivity

Panasonic AC Smart Cloud.
The AC Smart Cloud from Panasonic allows you to have complete control of all your installations. In a simple click, receive status updates from all your units in real-time, preventing breakdowns and optimizing costs.

Internet Control.
A next generation system providing a user-friendly remote controller of air conditioning or heat pump units from everywhere, using a simple Android or iOS smartphone, tablet or PC via internet.

BMS connectivity.
The communication port can be integrated into the indoor unit and provides easy connection to, and control of, your Panasonic heat pump to your home or building management system.

PACi OUTDOOR UNITS
ENERGY SAVING CONCEPT

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.

New PACi R32 Refrigerant Gas

Panasonic recommends R32 because it is comparably environmentally friendly. Compared to R22 and R410A, R32 has a very low potential impact on global warming.

In line with the European Countries who are concerned in protecting and maintaining the environment by participating in the Montreal Protocol to protect the Ozone Layer and prevent Global Warming, Panasonic is leading the switch to R32.

1. Installation innovation.

- Extremely easy to install, practically the same as R410A. (Just remember to verify that the pressure gauge and vacuum pump are compatible with R32)
- This refrigerant is 100% pure, which makes it easier to recycle and reuse

2. Environmental innovation.

- Zero impact on the ozone layer
- 75% less impact on global warming

3. Economic and energy consumption innovation.

- Lower cost and greater savings
- Higher energy efficiency than R410A

PACi Elite: Next generation of commercial air conditioning

Outstanding performance at low temperatures, high energy efficiency, power consumption in remote control display. The energy saving design structure of fans, fan motors, compressors and heat exchangers resulted in high COP value which ranked as one the top class in the industry. Additional benefits include reduced CO_2 emissions, energy consumption and operating costs.

PACi Elite. From 3,60 to 25,00kW.

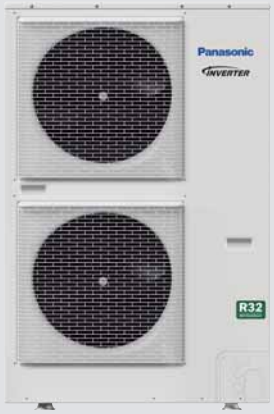
- Meeting all necessary safety approvals to ensure quality and safety
- Top class SEER: A+++ / SCOP: A+++ at 3,60kW (in 90×90 Cassette)
- Cooling operation is possible when outdoor temperature as high as 46°C
- DC inverter technology combined with R32 and R410A
- Cooling operation is possible when outdoor temperature is as low as -15°C
- Heating operation is possible when outdoor temperature is as low as -20°C
- Compact outdoor units
- Auto restart from outdoor unit
- Twin, Triple and Double-Twin connection possible

PACi Standard: For economy and value

With high quality design and engineering, the PACi Standard is the perfect solution for projects which demand quality on a limited budget. In addition, its compact and lightweight design makes it ideal for installations with limited space including small commercial and residential applications.
The outdoor unit is much more compact than the previous model. The slim and lightweight design means the PACi outdoor unit can be installed in a number of situations.

PACi Standard. From 6,00 to 14,00kW.

- Good balance, system cost vs energy efficiency
- Top class SEER/SCOP as a Standard Inverter category SEER: A++ / SCOP: A++ at 6,00 and 7,10kW (in 90x90 Cassette)
- Interchangeable controller with ECOi
- Compact outdoor units
- Twin connection possible
- Cooling operation up to -10°C and Heating operation up to -15°C



* These models will be available in May 2019.

New Big PACi Elite R32

20,00 – 25,00 kW is ideally suited for small, mid retail applications.
In addition to its light net weight and compact body, split-able Hide Away design newly developed enables easy piping work in narrow installation space.

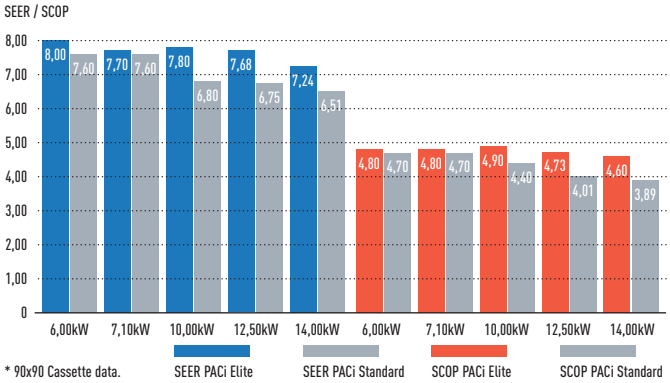
Panasonic Big PACi, not only environmental friendly but also groundbreaking products.

- High efficiency with Panasonic compressor as the driving force
- Compact and light indoor body
- Easy piping work with split-able Hide Away indoor design
- Separable indoor unit allows flexible installation to fit in narrow space
- Water Heat Exchanger compatibility
- Bluefin anti-rust coating
- Cloud Control compatible

PACi ELITE: EXCELLENT SEER AND SCOP VALUES

High operating efficiency using DC inverter compressor, DC motor and a heat exchanger design.

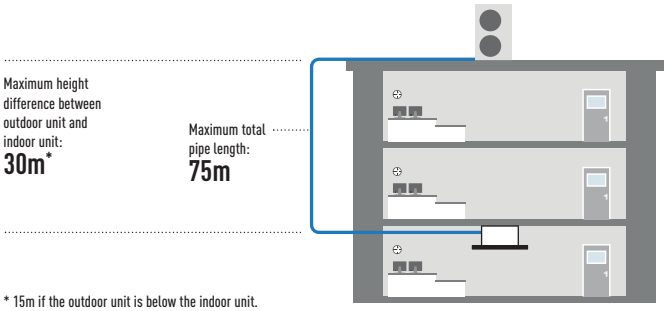
New PACi R32 seasonal efficiency for daily energy saving



* 90x90 Cassette data.

Increased piping length for greater design flexibility

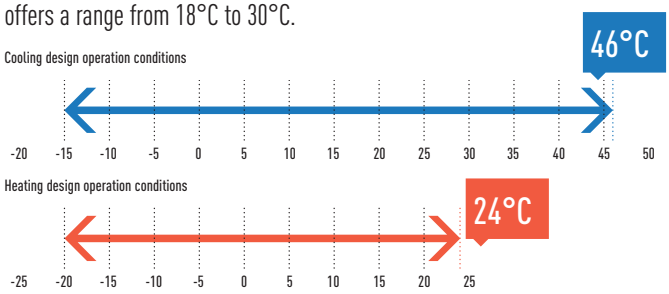
Adaptable to various building types and sizes.
Maximum piping length: 75m (10,00, 12,50, 14,00kW). 50m (6,00, 7,10kW).



* 15m if the outdoor unit is below the indoor unit.

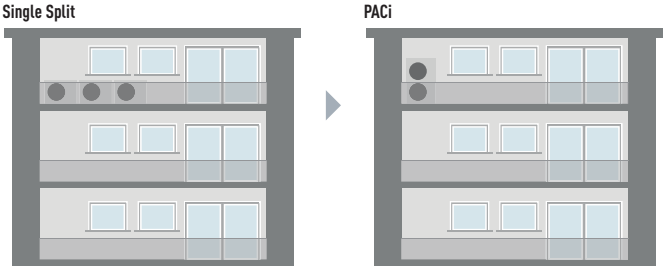
PACi Elite design operation conditions

Cooling operation is possible when outdoor temperature is as low as -15°C or as high as 46°C. Heating operation is possible when outdoor temperature is as low as -20°C. The remote control temperature setting offers a range from 18°C to 30°C.

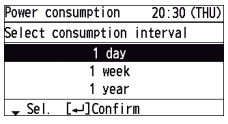


Compact & Flexible-design

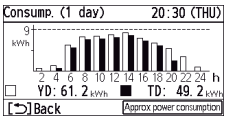
The slim and lightweight design means the PACi outdoor unit can be installed in a number of compact situations. As the unit only weighs 98kg (R410A), it is easy to carry and easy to install.



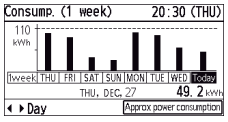
Energy consumption monitoring display with the CZ-RTC5B



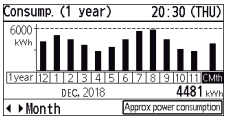
Menu selection: 3 types (Day/Week/Year)of display are available.



Daily Energy consumption: Data is shown with Yesterday's record. (Graph starts from 0 o'clock to 24 o'clock only.)



Weekly Energy consumption: Power consumption of each day of the week can be checked.



Annual Energy consumption: Power consumption of each month can be checked.

datanavi

Datanavi, a new way to connect.
Simple and easy support tool with your smartphone.

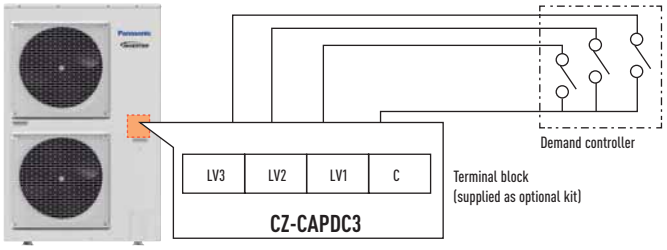
- Scan & Save AC system info
- Easy access to manual database
- Commissioning, F gas check data history

Demand response compliant (CZ-CAPDC3) as a standard function

This terminal allows demand control of the outdoor unit.
Several setting levels are available:
- Level-1, 2, 3: 75 / 50 / 0 %
- Level-1, 2 can be set in 40 - 100% (40, 45, 50...95, 100: each 5%)

CZ-CAPDC3 also allows for forced stop which can be used for Fire-alarm connection on LV3.

CZ-CAPDC3 is an optional for R410A models.



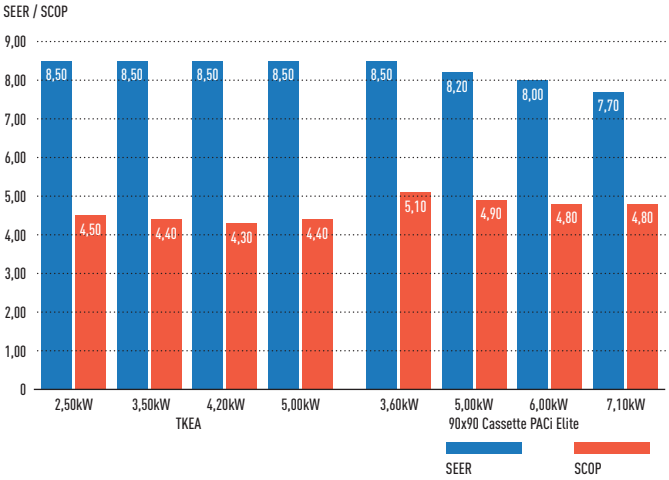
SOLUTIONS FOR 24/7/365 APPLICATIONS

High efficiency products for 24/7 applications.
Panasonic has developed a complete range of solutions for server rooms which efficiently protect your servers, keeping them at an appropriate temperature even when the outdoor temperature is below -20°C.

High efficiency all the year

Key points:

- From 2,5 to 7,10kW with new TKEA R32 gas units A+++ in cooling
- PACi units from 3,6 to 14kW
- Backup function
- Redundancy function
- Alternative run function
- Error information by Dry Contact
- Operation even at -20°C outdoor temperature
- High seasonal performance
- Product design for 24/7 operation

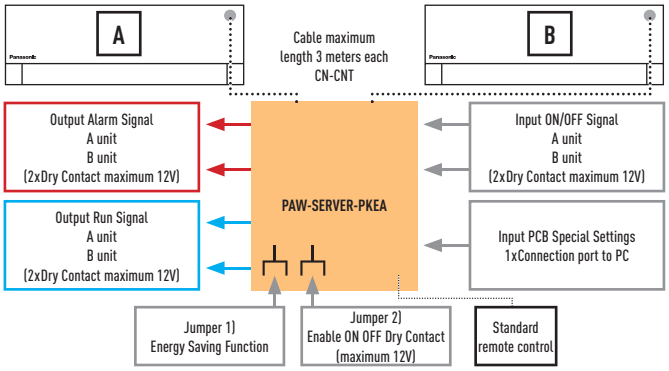


Interface to run 2 TKEA / PKEA. PAW-SERVER-PKEA

The PAW-SERVER-PKEA server room interface manages redundancy and backup of two TKEA / PKEA units with two different selectable modes:

- Plug and play by embedded redundancy and backup algorithm (no external signal needed. Further details please refer to operation manual)
- External (third party PLC) redundancy and backup management by Dry Contact

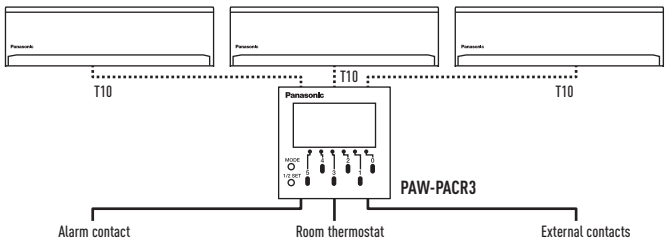
All settings are possible without the need for a computer connection.
A special Energy Saving Mode is selectable by deep switch (available only in plug and play mode). The level of remote control input prohibition can be set when external management is by Dry Contact.



Interfaces to run 2 or 3 PACi and VRF indoor units

PAW-PACR3.

In combination with one PAW-T10 on each indoor unit, allows the redundant operation of 2 (or 3) PACi or VRF indoor units.
All units will be operated sequentially in order to achieve the same operating time (example turn every 8 hours within a 24 hour period).
If the room temperature exceeds a freely set value, the 2nd (or 3rd) unit will be switched ON and an alarm will be activated.



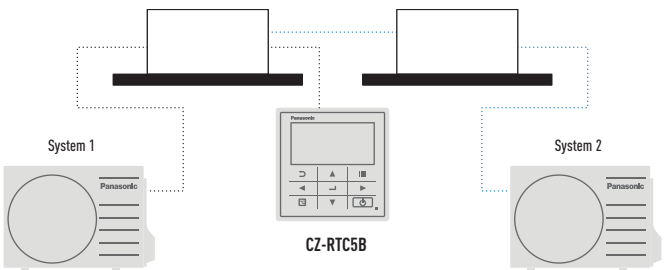
Display and Settings:

- Possible to select next unit manually
- Possible to reset operation
- LED display shows operation status of the 2 or 3 units
- Operation status output
- Alarm LED and alarm output
- Temperature limit can be set
- Temperature hysteresis can be set
- Room temperature is displayed
- Time counter displayed

Backup control by using CZ-RTC5B.

Group wiring of 2 systems of PACi can do auto individual control.

- Rotation operation
- Backup operation
- Support operation



CZ-CAPRA1.

RAC interface adapter for integration into P-Link.

GENERATION PACi
90x90 CASSETTE

Panasonic introduces a new modern flat panel design to blend into any space. These Cassettes have been developed to satisfy today's customer needs such as high energy saving, comfort and healthier air.

PACi Cassette Panasonic

- Better SCOP & SEER (up to 15%) than conventional R410 models
- Advanced comfort and energy saving by Econavi sensor
- Air purification nanoe™ X system
- Super quiet operation from 27dB(A)

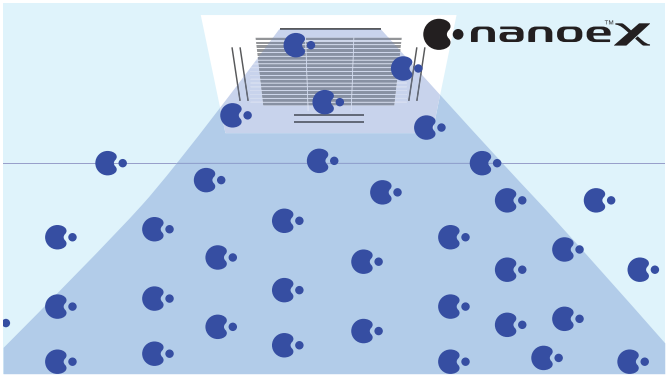
These Cassettes offer upgraded Econavi and nanoe™ X purification systems as accessories for making application space more comfortable, healthy and efficient.

Always fresh and clean air with nanoe™ X

nanoe™ X is available with the advanced technology of room air conditioning.

- Purifying operation can work simultaneously or independently from heating/cooling operation.
- Inhibiting certain viruses, bacteria & deodorisation (bacteria, fungus, pollen, virus and cigarette smoke). OH radicals in nanoe™ X pull bacteria's hydrogen out to effectively deodorise and sterilise
- Clean inside by nanoe™ X + Dry control: inside of indoor unit can be cleaned by short operation circuit with nanoe™ X and drying

CZ-RTC5B and optional accessory CZ-CNEXU1 are required to use nanoe™ X function.

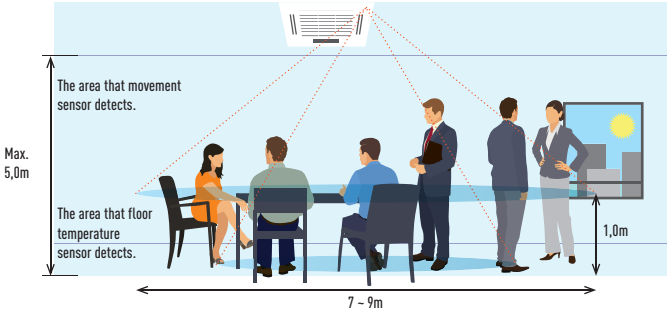


Econavi intelligent sensor

Human activity sensor and floor temperature sensor can reduce waste of energy by optimising air conditioner operation.

Advanced Econavi functions.

2 sensors (movement and floor temperature) can find waste of energy and control effectively. Floor temperature can detect up to 5m ceiling height.



Econavi exclusive panel. Optional (CZ-KPU3AW)

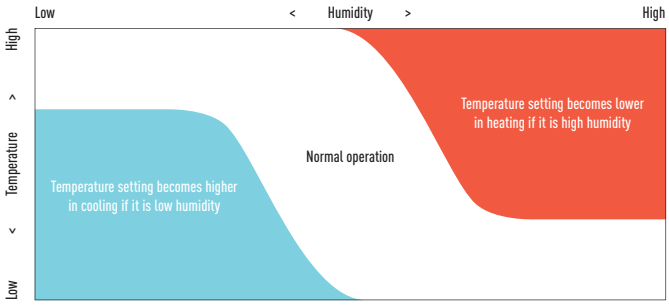
Floor temperature sensor.
This sensor detects average floor temperature and operates circulation if floor temperature is low.

Movement sensor.
This sensor detects the amount of human activity, and operates effectively.

Wired remote controller CZ-RTC5B is required.

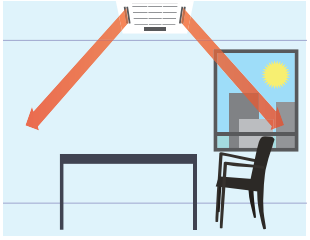
Humidity sensor.

Humidity sensor has air suction function, and realises comfort and energy saving based on temperature and humidity.

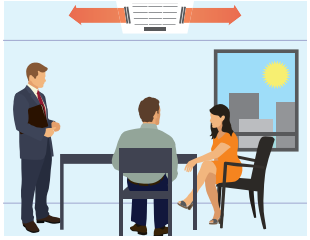


Group control, circulation function.

Circulating operation is activated when a room is unoccupied to evenly distribute air and minimize temperature gaps in both heating and cooling operation.



Circulation by Detecting no movement (10min.)



Indirect air flow by detecting movement

RANGE OF COMMERCIAL UNITS R32

Page	Indoor units	2,50kW	3,50 ~ 3,60kW	4,50kW	5,00kW	6,00kW
P. 188	Wall Mounted Professional Inverter -20°C • R32 Gas	CS-Z25TKEA	CS-Z35TKEA	CS-Z42TKEA	CS-Z50TKEA	
P. 190	Wall Inverter+ • R32 Gas		S-36PK2E5B	S-45PK2E5B	S-50PK2E5B	S-60PK2E5B
P. 112	4 Way 60x60 Cassette Inverter • R32 Gas	 CS-Z25UB4EAW	 CS-Z35UB4EAW		 CS-Z50UB4EAW	 CS-Z60UB4EAW
P. 194	4 Way 60x60 Cassette Inverter+ • R32 Gas		 S-36PY2E5B	 S-45PY2E5B [1]	 S-50PY2E5B	
P. 196	4 Way 90x90 Cassette Inverter+ • R32 Gas		 S-36PU2E5B	 S-45PU2E5B	 S-50PU2E5B	 S-60PU2E5B
P. 200	Ceiling Inverter+ • R32 Gas		 S-36PT2E5B	 S-45PT2E5B	 S-50PT2E5B	 S-60PT2E5B
P. 113	Low Static Pressure Hide Away Inverter • R32 Gas	 CS-Z25UD3EAW	 CS-Z35UD3EAW		 CS-Z50UD3EAW	 CS-Z60UD3EAW
P. 204	High Static Pressure Hide Away Inverter+ • R32 Gas		 S-36PF1E5B	 S-45PF1E5B	 S-50PF1E5B	 S-60PF1E5B
P. 208	Low Static Pressure Hide Away Inverter+ • R32 Gas		 S-36PN1E5B	 S-45PN1E5B	 S-50PN1E5B	 S-60PN1E5B
P. 212	NEW High Static Pressure Hide Away 20-25kW Inverter+ • R32 Gas					
P. 258	Air Handling Unit Kit 5,00-25,00kW				 PAW-280PAH2(M/L)	 PAW-280PAH2(M/L)

Outdoor units	3,60kW	5,00kW	6,00kW
PACi Elite • R32 Gas	 U-36PZH2E5	 U-50PZH2E5	 U-60PZH2E5
PACi Standard • R32 Gas			 U-60PZ2E5

1) The 4,50kW indoor unit are only available only for Twin, Triple and Double-Twin combinations. 2) These models will be available in May 2019. * U-__E5 Single Phase / U-__E8 Three Phase.

7,10kW	10,00kW	12,50kW	14,00kW	20,00kW	25,00kW
CS-Z71TKEA					
S-71PK2E5B	S-100PK2E5B (9,00kW)				
 S-71PU2E5B	 S-100PU2E5B	 S-125PU2E5B	 S-140PU2E5B		
 S-71PT2E5B	 S-100PT2E5B	 S-125PT2E5B	 S-140PT2E5B		
 S-71PF1E5B	 S-100PF1E5B	 S-125PF1E5B	 S-140PF1E5B		
 S-71PN1E5B	 S-100PN1E5B	 S-125PN1E5B	 S-140PN1E5B		
				 S-200PE3E5B [2]	 S-250PE3E5B [2]
 PAW-280PAH2(M/L)	 PAW-280PAH2(M/L)	 PAW-280PAH2(M/L)	 PAW-280PAH2(M/L)	 PAW-280PAH2(M/L)	 PAW-280PAH2(M/L)
7,10kW	**10,00kW**	**12,50kW**	**14,00kW**	**20,00kW**	**25,00kW**
 U-71PZH2E5 / U-71PZH2E8	 U-100PZH2E5 / U-100PZH2E8	 U-125PZH2E5 / U-125PZH2E8	 U-140PZH2E5 / U-140PZH2E8	 U-200PZH2E8 [2]	 U-250PZH2E8 [2]
 U-71PZ2E5	 U-100PZ2E5 / U-100PZ2E8	 U-125PZ2E5 / U-125PZ2E8	 U-140PZ2E5 / U-140PZ2E8		

SOLUTIONS FOR SERVER ROOMS

High efficiency products for 24/7 applications. Panasonic has developed a complete range of solutions for server rooms which efficiently protect your servers, keeping them at an appropriate temperature even when the outdoor temperature is below -20°C.

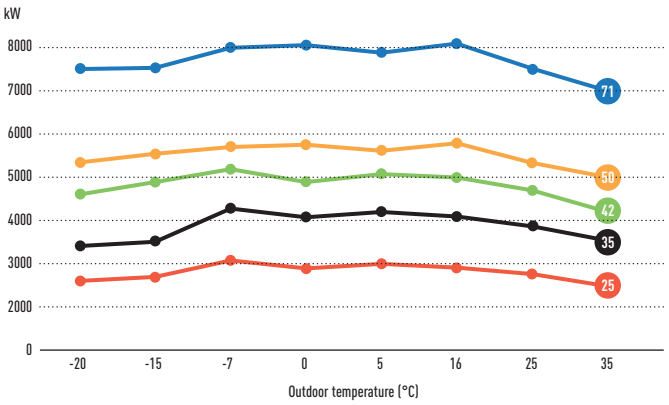
High efficiency all the year

Key points:

- From 2,50 to 7,10kW with new TKEA R32 gas units A+++ in cooling
- Backup function
- Redundancy function
- Alternative run function
- Error information by Dry Contact
- Operation even at -20°C outdoor temperature
- High seasonal performance
- Product design for 24/7 operation

Exceptional efficiency means exceptional savings

TKEA provides high capacity at -20°C!



Wall Mounted Professional Inverter -20°C
• R32 GAS

Complete line-up with high efficiency even at -20°C

This Wall Mounted air conditioner is especially designed for professional applications such as computer rooms where cooling inside the room is necessary even when the outside temperature is low. Furthermore this air conditioner has an automatic changeover system, in order to maintain the inside temperature even when sharp outside temperature changes occur.

Technical focus

- R32 gas is more environmentally friendly than R410A
- Aerowings to control air draft direction
- Designed for 24h/7d a week operation
- Up to A+++ in cooling
- Highly efficient even at -20°C
- High durability rolling bearings
- Additional piping sensors to prevent freezing
- Automatic restart

KIT			KIT-Z25-TKEA	KIT-Z35-TKEA	KIT-Z42-TKEA	KIT-Z50-TKEA	KIT-Z71-TKEA
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 4,00)	4,20 (0,98 - 5,00)	5,00 (0,98 - 6,00)	7,10 (0,98 - 8,10)
EER [1]	Nominal (Min - Max)	W/W	4,90 (5,00 - 4,29)	4,07 (5,00 - 3,64)	3,82 (4,90 - 3,25)	3,60 (3,50 - 3,09)	3,17 (2,33 - 3,03)
SEER [2]			**8,50 A+++**	**8,50 A+++**	**8,50 A+++**	**8,50 A+++**	**6,10 A++**
Pdesign		kW	2,50	3,50	4,20	5,00	7,10
Input power cooling	Nominal (Min - Max)	kW	0,51 (0,17 - 0,70)	0,86 (0,17 - 1,10)	1,10 (0,20 - 1,54)	1,39 (0,28 - 1,94)	2,24 (0,42 - 2,67)
Annual energy consumption [3]		kWh/a	103	144	173	206	407
Heating capacity	Nominal (Min - Max)	kW	3,40 (0,85 - 5,40)	4,00 (0,85 - 6,60)	5,40 (0,98 - 7,25)	5,80 (0,98 - 8,00)	8,60 (0,98 - 9,90)
Heating capacity at -7°C		kW	3,33	4,07	4,30	5,00	6,13
COP [1]	Nominal (Min - Max)	W/W	4,86 (5,15 - 4,12)	4,35 (5,15 - 3,63)	4,00 (4,45 - 3,37)	4,03 (2,88 - 3,20)	3,51 (2,45 - 3,47)
SCOP [2]			**4,50 A+**	**4,40 A+**	**4,30 A+**	**4,40 A+**	**4,00 A+**
Pdesign at -10°C		kW	2,80	3,60	3,80	4,40	5,50
Input power heating	Nominal (Min - Max)	kW	0,70 (0,17 - 1,31)	0,92 (0,17 - 1,82)	1,35 (0,22 - 2,15)	1,44 (0,34 - 2,50)	2,45 (0,40 - 2,85)
Annual energy consumption [3]		kWh/a	871	1145	1237	1400	1925
Indoor unit			**CS-Z25TKEA**	**CS-Z35TKEA**	**CS-Z42TKEA**	**CS-Z50TKEA**	**CS-Z71TKEA**
Power source		V	230	230	230	230	230
Recommended fuse		A	16	16	16	16	20
Connection indoor / outdoor		mm²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 2,5	4 x 2,5
Air Volume	Cool / Heat	m³/min	10,4 / 11,7	10,7 / 12,4	18,2 / 20,2	19,2 / 21,3	20,2 / 21,0
Moisture removal volume		L/h	1,5	2,0	2,4	2,8	4,1
Sound pressure [4]	Cool (Hi / Lo / Q-Lo)	dB(A)	39 / 25 / 21	42 / 28 / 21	43 / 32 / 29	44 / 37 / 30	47 / 38 / 35
	Heat (Hi / Lo / Q-Lo)	dB(A)	41 / 27 / 22	43 / 30 / 22	44 / 35 / 29	44 / 37 / 30	47 / 38 / 35
Dimension	H x W x D	mm	295 x 919 x 194	295 x 919 x 194	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	9	10	12	12	13
Outdoor unit			**CU-Z25TKEA**	**CU-Z35TKEA**	**CU-Z42TKEA**	**CU-Z50TKEA**	**CU-Z71TKEA**
Sound pressure [4]	Cool / Heat (Hi)	dB(A)	46 / 48	48 / 50	48 / 50	48 / 50	52 / 54
Dimension [5]	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	37	38	38	43	49
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)
Pipe length range		m	3 ~ 20	3 ~ 20	3 ~ 20	3 ~ 30	3 ~ 30
Elevation difference (in/out) [6]		m	15	15	15	15	20
Pipe length for additional gas		m	7,5	7,5	7,5	7,5	10
Additional gas amount		g/m	10	10	10	15	25
Refrigerant (R32) / CO_2 Eq.		kg / T	0,96 / 0,648	1,00 / 0,675	1,08 / 0,729	1,15 / 0,776	1,32 / 0,891
Operating range	Cool Min ~ Max	°C	-20 ~ +43	-20 ~ +43	-20 ~ +43	-20 ~ +43	-20 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-TACG1	Panasonic Comfort Cloud for internet control
CZ-CAPRA1	RAC interface adapter for integration into P-Link
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDSTD40	Outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-SERVER-PKEA	PCB for installation in server rooms with security

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the indoor unit shows the value measured of a position 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.

SEER and SCOP: For KIT-Z25-TKEA. SUPER QUIET: For KIT-Z25-TKEA. INTERNET CONTROL: Optional.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite Wall Mounted Inverter+ • R32 GAS

The wall mounted units with stylish matt color can be offered for many applications such as studios, gyms, high ceiling areas and even computer server rooms.

The compact design and flat face ensure discreet installation, even in a small space.

CZ-RWS3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase				
			3,60kW	**5,00kW**	**6,00kW**	**7,10kW**	**9,00kW**
KIT			**KIT-36PK2ZH5**	**KIT-50PK2ZH5**	**KIT-60PK2ZH5**	**KIT-71PK2ZH5**	**KIT-100PK2ZH5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 ~ 4,00)	5,00 (1,50 ~ 5,60)	6,10 (2,00 ~ 7,10)	7,10 (2,20 ~ 9,00)	9,50 (3,10 ~ 10,50)
EER [1]		W/W	4,90	4,10	3,86	3,50	3,26
SEER [2]			**8,00 A++**	**7,60 A++**	**7,20 A++**	**6,80 A++**	**6,40 A++**
Pdesign		kW	3,60	5,00	6,10	7,10	9,50
Input power cooling		kW	0,74	1,22	1,58	2,03	2,91
Annual energy consumption [3]		kWh/a	157	230	297	365	520
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 ~ 5,00)	5,60 (1,50 ~ 6,50)	7,00 (1,80 ~ 8,00)	8,00 (2,00 ~ 9,00)	9,50 (3,10 ~ 11,50)
COP [1]		W/W	4,94	4,21	4,46	4,00	3,97
SCOP [2]			**4,90 A++**	**4,70 A++**	**4,80 A++**	**4,70 A++**	**4,10 A+**
Pdesign at -10°C		kW	3,60	4,50	6,00	5,20	8,00
Input power heating		kW	0,81	1,33	1,57	2,00	2,39
Annual energy consumption [3]		kWh/a	1029	1340	1750	1549	2732
Indoor unit			**S-36PK2E5B**	**S-50PK2E5B**	**S-60PK2E5B**	**S-71PK2E5B**	**S-100PK2E5B**
Air volume	Hi / Med / Lo	m³/min	13,0 / 11,0 / 9,0	16,0 / 14,0 / 11,0	20,0 / 18,0 / 15,0	20,0 / 17,5 / 14,5	22,0 / 18,5 / 15,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	35 / 31 / 27	40 / 36 / 32	47 / 44 / 40	47 / 44 / 40	49 / 45 / 41
Dimension	H x W x D	mm	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	13	13	14	14	14
Outdoor unit			**U-36PZH2E5**	**U-50PZH2E5**	**U-60PZH2E5**	**U-71PZH2E5**	**U-100PZH2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	3,55 / 3,40 / 3,25	5,70 / 5,50 / 5,25	7,70 / 7,35 / 7,05	9,55 / 9,10 / 8,75	13,50 / 12,90 / 12,40
	Heat (Hi / Med / Lo)	A	3,95 / 3,75 / 3,60	6,35 / 6,05 / 5,80	7,65 / 7,30 / 7,00	9,20 / 8,80 / 8,50	11,10 / 10,60 / 10,10
Air volume	Cool / Heat	m³/min	40 / 40	40 / 45	40 / 45	61 / 60	118 / 108
Sound pressure	Cool / Heat (Hi)	dB(A)	43 / 44	45 / 48	46 / 49	48 / 50	52 / 52
Sound power	Cool / Heat (Hi)	dB	62 / 64	64 / 68	65 / 69	65 / 67	69 / 69
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 940 x 340	1416 x 940 x 340
Net weight		kg	43	43	44	68	99
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 85
Elevation difference (in/out) [5]		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,15 / 0,776	1,15 / 0,776	1,45 / 0,979	1,95 / 1,316	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-PACR3	Interfaces to run 3 units on Backup and alternative run
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

- Modern design with flat face and compact size
- Stylish matt white color
- DC FAN for better efficiency and control
- Six directional piping outlet
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

Smooth and durable design

Stylish matt color matches with modern interiors. The sleek, compact design ensures a discreet installation - even where space is limited.

Piping outlet in six directions

Piping outlet is possible in the six directions of right, right rear, right bottom, left, left rear and left bottom, making the installation work easier.

Closed discharge port

When the unit is turned OFF, the flap closes completely to prevent dust getting into the unit and to keep the equipment clean.

Air distribution is altered depending on the operational mode

Quiet operation

These units are among the quietest in the industry, making them ideal for hotels and hospitals.

			Three Phase	
			7,10kW	9,00kW
KIT			**KIT-71PK2ZH8**	**KIT-100PK2ZH8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,20 ~ 9,00)	9,50 (3,10 ~ 10,50)
EER [1]		W/W	3,50	3,26
SEER [2]			**6,70 A++**	**6,30 A++**
Pdesign		kW	7,10	9,50
Input power cooling		kW	2,03	2,91
Annual energy consumption [3]		kWh/a	370	526
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 ~ 9,00)	9,50 (3,10 ~ 11,50)
COP [1]		W/W	4,00	3,97
SCOP [2]			**4,70 A++**	**4,10 A+**
Pdesign at -10°C		kW	5,20	8,00
Input power heating		kW	2,00	2,39
Annual energy consumption [3]		kWh/a	1549	2732
Indoor unit			**S-71PK2E5B**	**S-100PK2E5B**
Air volume	Hi / Med / Lo	m^3/min	20,0 / 17,5 / 14,5	22,0 / 18,5 / 15,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	47 / 44 / 40	49 / 45 / 41
Dimension	H x W x D	mm	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	14	14
Outdoor unit			**U-71PZH2E8**	**U-100PZH2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	3,20 / 3,05 / 2,95	4,60 / 4,35 / 4,20
	Heat (Hi / Med / Lo)	A	3,10 / 3,00 / 2,85	3,75 / 3,55 / 3,45
Air volume	Cool / Heat	m^3/min	61 / 60	118 / 108
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 85
Elevation difference (in/out) [5]		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,95 / 1,316	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

SEER and SCOP: For KIT-36PK2ZH5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard Wall Mounted Inverter+
• R32 GAS

The wall mounted units with stylish matt color can be offered for many applications such as studios, gyms, high ceiling areas and even computer server rooms.

The compact design and flat face ensure discreet installation, even in a small space.

CZ-RWS3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase		
			6,00kW	**7,10kW**	**9,00kW**
KIT			**KIT-60PK2Z5**	**KIT-71PK2Z5**	**KIT-100PK2Z5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,10 (2,00 - 7,10)	7,10 (2,00 - 7,70)	9,00 (3,00 - 9,70)
EER [1]	Nominal (Min - Max)	W/W	3,79	3,21	3,47 (5,36 - 3,13)
SEER [2]			**6,80 A++**	**6,40 A++**	**6,50 A++**
Pdesign		kW	6,10	7,10	9,00
Input power cooling	Nominal (Min - Max)	kW	1,61	2,21	2,59 (0,56 - 3,10)
Annual energy consumption [3]		kWh/a	314	388	485
Heating capacity	Nominal (Min - Max)	kW	6,10 (1,80 - 7,00)	7,10 (1,80 - 8,10)	9,00 (3,00 - 10,50)
COP [1]	Nominal (Min - Max)	W/W	4,80	4,41	3,93 (5,36 - 3,56)
SCOP [2]			**4,70 A++**	**4,60 A++**	**3,90 A**
Pdesign at -10°C		kW	6,00	6,00	9,00
Input power heating	Nominal (Min - Max)	kW	1,27	1,61	2,29 (0,56 - 2,95)
Annual energy consumption [3]		kWh/a	1787	1826	3231
Indoor unit			**S-60PK2E5B**	**S-71PK2E5B**	**S-100PK2E5B**
Air volume	Hi / Med / Lo	m^3/min	20,0 / 18,0 / 15,0	20,0 / 18,0 / 15,0	22,0 / 18,5 / 15,0
Moisture removal volume		L/h	2,0	3,0	4,3
Sound pressure [4]	Hi / Med / Lo	dB(A)	47 / 44 / 40	47 / 44 / 40	49 / 45 / 41
Sound power	Hi / Med / Lo	dB	63 / 60 / 56	63 / 60 / 56	65 / 61 / 57
Dimension	H x W x D	mm	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	14	14	14
Outdoor unit			**U-60PZ2E5**	**U-71PZ2E5**	**U-100PZ2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	7,85 / 7,50 / 7,20	10,70 / 10,20 / 9,85	12,10 / 11,50 / 11,10
	Heat (Hi / Med / Lo)	A	6,10 / 5,85 / 5,60	7,85 / 7,50 / 7,20	10,60 / 10,20 / 9,70
Air volume	Cool / Heat	m^3/min	40 / 45	50 / 45	76 / 70
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	52 / 52
Sound power	Cool / Heat (Hi)	dB	65 / 68	69 / 69	70 / 70
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370
Net weight		kg	44	44	90
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50
Elevation difference (in/out) [5]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	35	35	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,45 / 0,979	1,45 / 0,979	2,60 / 1,755
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-PACR3	Interfaces to run 3 units on Backup and alternative run
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

- Modern design with flat face and compact size
- Stylish matt white color
- DC FAN for better efficiency and control
- Six directional piping outlet
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

Closed discharge port

When the unit is turned OFF, the flap closes completely to prevent dust getting into the unit and to keep the equipment clean.

Quiet operation

These units are among the quietest in the industry, making them ideal for hotels and hospitals.

Smooth and durable design

Stylish matt color matches with modern interiors. The sleek, compact design ensures a discreet installation - even where space is limited.

Piping outlet in six directions

Piping outlet is possible in the six directions of right, right rear, right bottom, left, left rear and left bottom, making the installation work easier.

Air distribution is altered depending on the operational mode

			Three Phase
			9,00kW
KIT			**KIT-100PK2Z8**
Remote controller			**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	9,00 (3,00 - 9,70)
EER [1]	Nominal (Min - Max)	W/W	3,47 (5,36 - 3,13)
SEER [2]			**6,50 A++**
Pdesign		kW	9,00
Input power cooling	Nominal (Min - Max)	kW	2,59 (0,56 - 3,10)
Annual energy consumption [3]		kWh/a	485
Heating capacity	Nominal (Min - Max)	kW	9,00 (3,00 - 10,50)
COP [1]	Nominal (Min - Max)	W/W	3,93 (5,36 - 3,56)
SCOP [2]			**3,90 A**
Pdesign at -10°C		kW	9,00
Input power heating	Nominal (Min - Max)	kW	2,29 (0,56 - 2,95)
Annual energy consumption [3]		kWh/a	3231
Indoor unit			**S-100PK2E5B**
Air volume	Hi / Med / Lo	m^3/min	22,0 / 18,5 / 15,0
Moisture removal volume		L/h	4,3
Sound pressure [4]	Hi / Med / Lo	dB(A)	49 / 45 / 41
Sound power	Hi / Med / Lo	dB	65 / 61 / 57
Dimension	H x W x D	mm	302 x 1120 x 236
Net weight		kg	14
Outdoor unit			**U-100PZ2E8**
Power source		V	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	4,10 / 3,90 / 3,75
	Heat (Hi / Med / Lo)	A	3,60 / 3,45 / 3,30
Air volume	Cool / Heat	m^3/min	76 / 70
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52
Sound power	Cool / Heat (Hi)	dB	70 / 70
Dimension	H x W x D	mm	996 x 980 x 370
Net weight		kg	90
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)
Pipe length range		m	5 ~ 50
Elevation difference (in/out) [5]		m	30
Pipe length for additional gas		m	30
Additional gas amount		g/m	45
Refrigerant (R32) / CO_2 Eq.		kg / T	2,60 / 1,755
Operating range	Cool Min ~ Max	°C	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

R32 | A++ 6,80 SEER | A++ 4,70 SCOP | INVERTER+ | -10°C COOLING MODE | -15°C HEATING MODE | DC FAN | R22 R410A R32 R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-60PK2Z5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite and Standard 4 Way 60x60 Cassette Inverter+ • R32 GAS

Small and powerful, ideal for offices and restaurants

Standard units only for Twin, Triple and Double-twin combinations.

CZ-KPY3AW
Panel 700 x 700mm.

CZ-KPY3BW
Panel 625 x 625mm.

CZ-RWS3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

			Single Phase	
			3,60kW	5,00kW
KIT			**KIT-36PY2ZH5**	**KIT-50PY2ZH5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)
EER [1]		W/W	4,68	3,68
SEER [2]			**6,60 A++**	**6,40 A++**
Pdesign		kW	3,60	5,00
Input power cooling		kW	0,77	1,36
Annual energy consumption [3]		kWh/a	191	273
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50-6,50)
COP [1]		W/W	4,26	3,46
SCOP [2]			**4,60 A++**	**4,30 A+**
Pdesign at -10°C		kW	3,60	4,50
Input power heating		kW	0,94	1,62
Annual energy consumption [3]		kWh/a	1096	1465
Indoor unit			**S-36PY2E5B**	**S-50PY2E5B**
Air volume	Hi / Med / Lo	m³/min	9,7 / 8,0 / 6,0	11,1 / 9,8 / 8,5
Moisture removal volume		L/h	1,5	2,4
Sound pressure [4]	Hi / Med / Lo	dB(A)	36 / 32 / 26	40 / 37 / 33
Sound power	Hi / Med / Lo	dB	51 / 47 / 41	55 / 52 / 48
Dimension (H x W x D) / Net weight	Indoor	mm / kg	288 x 583 x 583 / 18	288 x 583 x 583 / 18
	CZ-KPY3AW Panel	mm / kg	31 x 700 x 700 / 2,4	31 x 700 x 700 / 2,4
	CZ-KPY3BW Panel	mm / kg	31 x 625 x 625 / 2,4	31 x 625 x 625 / 2,4
Outdoor unit			**U-36PZH2E5**	**U-50PZH2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	3,65 / 3,50 / 3,35	6,35 / 6,10 / 5,85
	Heat (Hi / Med / Lo)	A	4,50 / 4,30 / 4,15	7,70 / 8,40 / 8,10
Air volume	Cool / Heat	m³/min	40 / 40	40 / 45
Sound pressure	Cool / Heat (Hi)	dB(A)	43 / 44	45 / 48
Sound power	Cool / Heat (Hi)	dB	62 / 64	64 / 68
Dimension / Net weight	H x W x D	mm / kg	695 x 875 x 320 / 43	695 x 875 x 320 / 43
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)
Pipe length range		m	3 ~ 40	3 ~ 40
Elevation difference (in/out) [5]		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	20	20
Refrigerant (R32) / CO_2 Eq.		kg / T	1,15 / 0,776	1,15 / 0,776
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24

R32 | A++ 6,60 SEER | A++ 6,40 SCOP | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | DC FAN | R22 R410A → R32 R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-36PY2ZH5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Technical focus

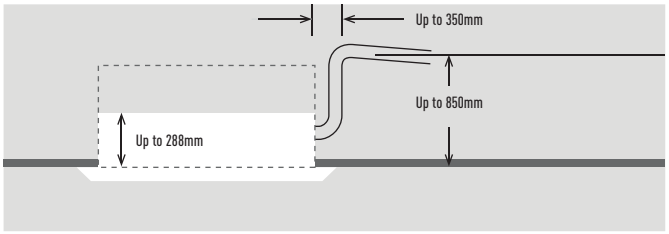
- Fresh air distribution
- Multidirectional air flow
- Integrated drain pump gives 850mm lift
- 3 speed centrifugal fan
- DC FAN for better efficiency and control
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

Lighter and slimmer, easier installation

Lightweight and very slim which makes installation possible even in narrow ceilings.
Designed to fit exactly into a 600x600mm ceiling grid without the need to alter the bar configuration.

A drain height of approximately 850mm from the ceiling surface

The drain height can be increased by approx. 350mm over the conventional value by using a high-lift drain pump, and long horizontal piping is possible.
Lightweight at 18kg, the unit is also very slim with a height of only 288mm, making installation possible even in narrow ceilings.



Significant reduction of power consumption by using highly developed DC fan motors with variable speed, special heat exchangers, etc.

			3,60kW	4,50kW	5,00kW
Indoor unit			**S-36PY2E5B**	**S-45PY2E5B**[1)]	**S-50PY2E5B**
Cooling capacity		kW	3,60	4,50	5,00
Heating capacity		kW	4,00	5,20	5,60
Current	Cool	A	0,30	0,32	0,35
	Heat	A	0,30	0,30	0,35
Input power	Cool	kW	0,04	0,04	0,05
	Heat	kW	0,04	0,04	0,04
Air volume	Cool (Hi / Med / Lo)	m^3/min	9,7/8,0/6,0	10,0/8,8/7,0	11,1/9,8/8,5
	Heat (Hi / Med / Lo)	m^3/min	9,9/8,2/6,0	10,3/9,2/7,0	11,1/9,8/8,7
Moisture removal volume		L/h	1,5	2,2	2,4
Sound pressure	Cool (Hi / Med / Lo)	dB(A)	36/32/26	38/34/28	40/37/33
	Heat (Hi / Med / Lo)	dB(A)	36/32/26	38/34/28	40/37/33
Sound power	Cool (Hi / Med / Lo)	dB	51/47/41	53/49/43	55/52/48
	Heat (Hi / Med / Lo)	dB	51/47/41	53/49/43	55/52/48
Dimension (H x W x D)	Indoor	mm	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583
	Panel CZ-KPY3AW	mm	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700
	Panel CZ-KPY3BW	mm	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625
Net weight	Indoor	kg	18	18	18
	Panel	kg	2,4	2,4	2,4
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)
Operating range	Cool Min ~ Max	°C	+18 ~ +32	+18 ~ +32	+18 ~ +32
	Heat Min ~ Max	°C	+16 ~ +30	+16 ~ +30	+16 ~ +30

1) Only for multi combinations.
Recommended fuse for the indoor 3A.

Accessories	
CZ-RTC5B	Wired remote controller with datanavi
CZ-RWS3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite 4 Way 90x90 Cassette Inverter+ • R32 GAS

CZ-KPU3W
Standard panel.

Large capacity PACi. Trusted comfort and high efficiency

Thanks to advances in design and technology such as the high performance turbo fan which is more efficient and silent, and nanoe™ X air purification, the U2 Panasonic 4 way 90x90 Cassette offers high energy saving, fresh air and comfort.

CZ-KPU3AW
Optional Econavi panel (CZ-RTC5B is required).

CZ-CNEXU1
Optional nanoe™ X kit (CZ-RTC5B is required).

CZ-RWS3 + CZ-RWRU3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

			Single Phase						
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-36PU2ZH5**	**KIT-50PU2ZH5**	**KIT-60PU2ZH5**	**KIT-71PU2ZH5**	**KIT-100PU2ZH5**	**KIT-125PU2ZH5**	**KIT-140PU2ZH5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)	6,00 (2,00 - 7,10)	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	5,22	4,31	4,05	4,06	4,41	3,80	3,41
SEER [2]			**8,50 A+++**	**8,20 A++**	**8,00 A++**	**7,70 A++**	**7,80 A++**	**7,68**	**7,24**
Pdesign		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power cooling		kW	0,69	1,16	1,48	1,75	2,27	3,29	4,11
Annual energy consumption [3]		kWh/a	148	213	262	323	449	—	—
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)	7,00 (1,80 - 8,00)	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,20 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	5,48	4,71	4,29	4,30	5,00	4,61	4,30
SCOP [2]			**5,10 A+++**	**4,90 A++**	**4,80 A++**	**4,80 A++**	**4,90 A++**	**4,73**	**4,60**
Pdesign at -10°C		kW	3,60	4,50	6,00	5,20	8,00	9,50	10,60
Input power heating		kW	0,73	1,19	1,63	1,86	2,24	3,04	3,72
Annual energy consumption [3]		kWh/a	988	1286	1750	1517	2286	—	—
Indoor unit			**S-36PU2E5B**	**S-50PU2E5B**	**S-60PU2E5B**	**S-71PU2E5B**	**S-100PU2E5B**	**S-125PU2E5B**	**S-140PU2E5B**
Air volume	Hi / Med / Lo	m³/min	14,5 / 13,0 / 11,5	16,5 / 13,5 / 11,5	21,0 / 16,0 / 13,0	22,0 / 16,0 / 13,0	36,0 / 26,0 / 18,0	37,0 / 27,0 / 19,0	38,0 / 29,0 / 20,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	30 / 28 / 27	32 / 29 / 27	36 / 31 / 28	37 / 31 / 28	45 / 38 / 32	46 / 39 / 33	47 / 40 / 34
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	19 / 5	19 / 5	20 / 5	20 / 5	25 / 5	25 / 5	25 / 5
Outdoor unit			**U-36PZH2E5**	**U-50PZH2E5**	**U-60PZH2E5**	**U-71PZH2E5**	**U-100PZH2E5**	**U-125PZH2E5**	**U-140PZH2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	3,35 / 3,20 / 3,05	5,45 / 5,25 / 5,00	7,30 / 6,95 / 6,70	8,25 / 7,90 / 7,55	10,40 / 9,95 / 9,50	15,20 / 14,50 / 13,90	19,10 / 18,20 / 17,50
	Heat (Hi / Med / Lo)	A	3,55 / 3,40 / 3,25	5,70 / 5,45 / 5,20	8,05 / 7,70 / 7,40	8,60 / 8,25 / 8,00	10,20 / 9,80 / 9,40	14,00 / 13,40 / 12,80	17,20 / 16,50 / 15,80
Air volume	Cool / Heat	m³/min	40 / 40	40 / 45	40 / 45	61 / 60	118 / 108	125 / 122	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	43 / 44	45 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	62 / 64	64 / 68	65 / 69	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	43	43	44	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [5]		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,15 / 0,776	1,15 / 0,776	1,45 / 0,979	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRU3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
CZ-KPU3AW	Econavi exclusive panel
CZ-CNEXU1	nanoe™ X air purifying system

Accessories	
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

- High performance turbo fan, path system for heat exchanger
- nanoe™ X: The first air purifier technology in commercial air conditioning
- Econavi: Intelligent sensor to reduce waste of energy
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Lower noise in slow fan operation
- Light weight, easy piping
- Drain pump included

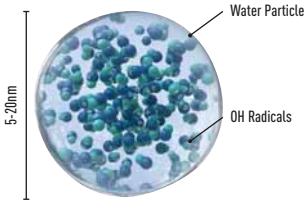
Group control, circulation function

Circulating operation is activated when a room is unoccupied to evenly distribute air and minimize temperature gaps in both heating and cooling operation.

nanoe™ X deodorises and inhibits certain bacteria & viruses

The newly developed nanoe™ X device produces 10x times more OH radicals (4800 billion) [1] than regular nanoe™ device.
Greater amounts of OH radicals contained in nanoe™ X lead to outstanding effects in bacteria, viruses and allergens inhibition as well as deodorisation. A fresher and cleaner home awaits you.

1) Based on Panasonic Survey.
CZ-RTC5B and optional accessory CZ-CNEXU1 are required to use nanoe™ X function.



4800 BILLION OH RADICALS / PER SECOND

			Three Phase			
			7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-71PU2ZH8**	**KIT-100PU2ZH8**	**KIT-125PU2ZH8**	**KIT-140PU2ZH8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,20 ~ 9,00)	10,00 (3,10 ~ 12,50)	12,50 (3,20 ~ 14,00)	14,00 (3,30 ~ 16,00)
EER [1]		W/W	4,06	4,41	3,80	3,41
SEER [2]			**7,60 A++**	**7,70 A++**	**7,64**	**7,22**
Pdesign		kW	7,10	10,00	12,50	14,00
Input power cooling		kW	1,75	2,27	3,29	4,11
Annual energy consumption [3]		kWh/a	327	455	—	—
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 ~ 9,00)	11,20 (3,10 ~ 14,00)	14,00 (3,20 ~ 16,00)	16,00 (3,30 ~ 18,00)
COP [1]		W/W	4,30	5,00	4,61	4,30
SCOP [2]			**4,80 A++**	**4,90 A++**	**4,73**	**4,60**
Pdesign at -10°C		kW	5,20	8,00	9,50	10,60
Input power heating		kW	1,86	2,24	3,04	3,72
Annual energy consumption [3]		kWh/a	1517	2286	—	—
Indoor unit			**S-71PU2E5B**	**S-100PU2E5B**	**S-125PU2E5B**	**S-140PU2E5B**
Air volume	Hi / Med / Lo	m³/min	22,0 / 16,0 / 13,0	36,0 / 26,0 / 18,0	37,0 / 27,0 / 19,0	38,0 / 29,0 / 20,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	37 / 31 / 28	45 / 38 / 32	46 / 39 / 33	47 / 40 / 34
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	20 / 5	25 / 5	25 / 5	25 / 5
Outdoor unit			**U-71PZH2E8**	**U-100PZH2E8**	**U-125PZH2E8**	**U-140PZH2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	2,75 / 2,65 / 2,55	3,50 / 3,35 / 3,20	5,15 / 4,90 / 4,70	6,45 / 6,15 / 5,90
	Heat (Hi / Med / Lo)	A	2,90 / 2,80 / 2,70	3,45 / 3,30 / 3,15	4,75 / 4,50 / 4,35	5,85 / 5,55 / 5,35
Air volume	Cool / Heat	m³/min	61 / 60	118 / 108	125 / 112	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [5]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

R32 | A+++ 8,50 SEER | A+++ 5,10 SCOP | 28% ECONAVI | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | nanoeX | DC FAN | R22 R410A R32 R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-36PU2ZH5. ECONAVI and INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard 4 Way 90x90 Cassette Inverter+ • R32 GAS

CZ-KPU3W
Standard panel.

Large capacity PACi. Trusted comfort and high efficiency

Thanks to advances in design and technology such as the high performance turbo fan which is more efficient and silent, and nanoe™ X air purification, the U2 Panasonic 4 way 90x90 Cassette offers high energy saving, fresh air and comfort.

CZ-KPU3AW
Optional Econavi panel (CZ-RTC5B is required).

CZ-CNEXU1
Optional nanoe™ X kit (CZ-RTC5B is required).

CZ-RWS3 + CZ-RWRU3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

			Single Phase				
			6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-60PU2Z5**	**KIT-71PU2Z5**	**KIT-100PU2Z5**	**KIT-125PU2Z5**	**KIT-140PU2Z5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,00 (2,00 ~ 7,10)	7,10 (2,00 ~ 7,70)	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	4,00	3,50	3,82 (5,36 - 2,88)	3,58 (5,33 - 2,81)	3,23 (5,32 - 2,73)
SEER [2]			**7,60 A++**	**7,60 A++**	**6,80 A++**	**6,75**	**6,51**
Pdesign		kW	6,00	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	1,50	2,03	2,62 (0,56 - 4,00)	3,49 (0,60 - 4,80)	4,34 (0,62 - 5,50)
Annual energy consumption [3]		kWh/a	276	327	515	—	—
Heating capacity	Nominal (Min - Max)	kW	6,00 (1,80 ~ 7,00)	7,10 (1,80 ~ 8,10)	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]	Nominal (Min - Max)	W/W	4,72	4,36	4,93 (3,59 - 5,36	4,43 (3,57 - 5,50	4,18 (3,33 - 5,48)
SCOP [2]			**4,70 A++**	**4,70 A++**	**4,40 A+**	**4,01**	**3,89**
Pdesign at -10°C		kW	6,00	6,00	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	1,27	1,63	2,03 (0,56 - 3,90)	2,82 (0,60 - 4,20)	3,35 (0,62 - 4,80)
Annual energy consumption [3]		kWh/a	1787	1787	3182	—	—
Indoor unit			**S-60PU2E5B**	**S-71PU2E5B**	**S-100PU2E5B**	**S-125PU2E5B**	**S-140PU2E5B**
Air volume	Hi / Med / Lo	m³/min	21,0 / 16,0 / 13,0	22,0 / 16,0 / 13,0	36,0 / 26,0 / 18,0	37,0 / 27,0 / 19,0	38,0 / 29,0 / 20,0
Moisture removal volume		L/h	1,7	2,5	2,7	4,8	6,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	36 / 31 / 28	37 / 31 / 28	45 / 38 / 32	46 / 39 / 33	47 / 40 / 34
Sound power	Hi / Med / Lo	dB	51 / 46 / 43	52 / 46 / 43	60 / 53 / 47	61 / 54 / 48	62 / 55 / 49
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	20 / 5	20 / 5	25 / 5	25 / 5	25 / 5
Outdoor unit			**U-60PZ2E5**	**U-71PZ2E5**	**U-100PZ2E5**	**U-125PZ2E5**	**U-140PZ2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	7,40 / 7,05 / 6,75	9,95 / 9,50 / 9,10	12,10 / 11,50 / 11,10	16,30 / 15,60 / 15,00	20,40 / 19,50 / 18,70
	Heat (Hi / Med / Lo)	A	6,25 / 5,95 / 5,70	8,05 / 7,70 / 7,35	9,25 / 8,85 / 8,50	13,10 / 12,60 / 12,00	15,60 / 15,00 / 14,30
Air volume	Cool / Heat	m³/min	40 / 45	50 / 45	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	65 / 68	69 / 69	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [5]		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	35	35	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,45 / 0,979	1,45 / 0,979	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRU3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
CZ-KPU3AW	Econavi exclusive panel
CZ-CNEXU1	nanoe™ X air purifying system

Accessories	
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

- High performance turbo fan, path system for heat exchanger
- nanoe™ X: The first air purifier technology in commercial air conditioning
- Econavi: Intelligent sensor to reduce waste of energy
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Lower noise in slow fan operation
- Light weight, easy piping
- Drain pump included

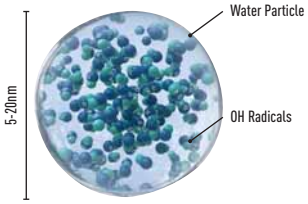
Group control, circulation function

Circulating operation is activated when a room is unoccupied to evenly distribute air and minimize temperature gaps in both heating and cooling operation.

nanoe™ X deodorises and inhibits certain bacteria & viruses

The newly developed nanoe™ X device produces 10x times more OH radicals (4800 billion) [1] than regular nanoe™ device.
Greater amounts of OH radicals contained in nanoe™ X lead to outstanding effects in bacteria, viruses and allergens inhibition as well as deodorisation. A fresher and cleaner home awaits you.

1) Based on Panasonic Survey.
CZ-RTC5B and optional accessory CZ-CNEXU1 are required to use nanoe™ X function.



4800 BILLION
OH RADICALS /
PER SECOND

			Three Phase		
			10,00kW	12,50kW	14,00kW
KIT			**KIT-100PU2Z8**	**KIT-125PU2Z8**	**KIT-140PU2Z8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	3,82 (5,36 - 2,88)	3,58 (5,33 - 2,81)	3,23 (5,32 - 2,73)
SEER [2]			**6,70 A++**	**6,73**	**6,49**
Pdesign		kW	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	2,62 (0,56 - 4,00)	3,49 (0,60 - 4,80)	4,34 (0,62 - 5,50)
Annual energy consumption [3]		kWh/a	521	—	—
Heating capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]	Nominal (Min - Max)	W/W	4,93 (3,59 - 5,36)	4,43 (3,57 - 5,50)	4,18 (3,33 - 5,48)
SCOP [2]			**4,40 A+**	**4,01**	**3,89**
Pdesign at -10°C		kW	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	2,03 (0,56 - 3,90)	2,82 (0,60 - 4,20)	3,35 (0,62 - 4,80)
Annual energy consumption [3]		kWh/a	3182	—	—
Indoor unit			**S-100PU2E5B**	**S-125PU2E5B**	**S-140PU2E5B**
Air volume	Hi / Med / Lo	m^3/min	36,0 / 26,0 / 18,0	37,0 / 27,0 / 19,0	38,0 / 29,0 / 20,0
Moisture removal volume		L/h	2,7	4,8	6,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	45 / 38 / 32	46 / 39 / 33	47 / 40 / 34
Sound power	Hi / Med / Lo	dB	60 / 53 / 47	61 / 54 / 48	62 / 55 / 49
Dimension	Indoor (H x W x D)	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	25 / 5	25 / 5	25 / 5
Outdoor unit			**U-100PZ2E8**	**U-125PZ2E8**	**U-140PZ2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	4,10 / 3,90 / 3,75	5,45 / 5,20 / 5,00	6,85 / 6,50 / 6,25
	Heat (Hi / Med / Lo)	A	3,15 / 3,00 / 2,90	4,40 / 4,15 / 4,00	5,25 / 4,95 / 4,80
Air volume	Cool / Heat	m^3/min	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [5]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

R32 | A++ 7,60 SEER | A++ 4,70 SCOP | 28% ECONAVI | INVERTER+ | -10°C COOLING MODE | -15°C HEATING MODE | nanoeX | DC FAN | R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-60PU2Z5 and KIT-71PU2Z5. ECONAVI and INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite Ceiling Inverter+ • R32 GAS

Ceiling mounted units provide large and wide air distribution which is good for big rooms

The height and depth of all capacities are the same for unified appearance in mixed installations.

CZ-RWS3 + CZ-RWRT3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase						
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-36PT2ZH5**	**KIT-50PT2ZH5**	**KIT-60PT2ZH5**	**KIT-71PT2ZH5**	**KIT-100PT2ZH5**	**KIT-125PT2ZH5**	**KIT-140PT2ZH5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)	6,00 (2,00 - 7,10)	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	5,07	4,17	4,08	3,78	4,05	3,45	3,10
SEER [2]			**7,20 A++**	**7,00 A++**	**7,20 A++**	**6,70 A++**	**7,00 A++**	**6,59**	**5,70**
Pdesign		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power cooling		kW	0,71	1,20	1,47	1,88	2,47	3,62	4,52
Annual energy consumption [3]		kWh/a	175	250	292	371	500	—	—
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)	7,00 (1,80 - 8,00)	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,20 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	5,19	4,34	4,43	4,15	4,31	3,99	3,67
SCOP [2]			**4,80 A++**	**4,60 A++**	**4,70 A++**	**4,60 A++**	**4,60 A++**	**4,36**	**4,00**
Pdesign at -10°C		kW	3,60	4,50	6,00	5,20	8,00	9,50	10,60
Input power heating		kW	0,77	1,29	1,58	1,93	2,60	3,51	4,36
Annual energy consumption [3]		kWh/a	1050	1370	1787	1583	2435	—	—
Indoor unit			**S-36PT2E5B**	**S-50PT2E5B**	**S-60PT2E5B**	**S-71PT2E5B**	**S-100PT2E5B**	**S-125PT2E5B**	**S-140PT2E5B**
Air volume	Hi / Med / Lo	m³/min	14,0 / 12,0 / 10,5	15,0 / 12,5 / 10,5	20,0 / 17,0 / 14,5	21,0 / 18,0 / 15,5	30,0 / 25,0 / 23,0	34,0 / 28,0 / 24,0	35,0 / 29,0 / 25,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	36 / 32 / 29	37 / 33 / 29	38 / 34 / 30	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37
Dimension	H x W x D	mm	235 x 960 x 690	235 x 960 x 690	235 x 1275 x 690	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	27	27	33	33	40	40	40
Outdoor unit			**U-36PZH2E5**	**U-50PZH2E5**	**U-60PZH2E5**	**U-71PZH2E5**	**U-100PZH2E5**	**U-125PZH2E5**	**U-140PZH2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	3,35 / 3,25 / 3,10	5,60 / 5,35 / 5,10	7,15 / 6,85 / 6,55	8,80 / 8,45 / 8,10	11,40 / 10,90 / 10,50	16,80 / 16,00 / 15,40	21,00 / 20,10 / 19,30
	Heat (Hi / Med / Lo)	A	3,65 / 3,50 / 3,35	6,10 / 5,85 / 5,60	7,75 / 7,40 / 7,10	8,90 / 8,50 / 8,20	12,00 / 11,50 / 11,00	16,20 / 15,50 / 14,90	20,30 / 19,40 / 18,60
Air volume	Cool / Heat	m³/min	40 / 40	40 / 45	40 / 45	61 / 60	118 / 108	125 / 122	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	43 / 44	45 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	62 / 64	64 / 68	65 / 69	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	43	43	44	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [5]		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,15 / 0,776	1,15 / 0,776	1,45 / 0,979	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

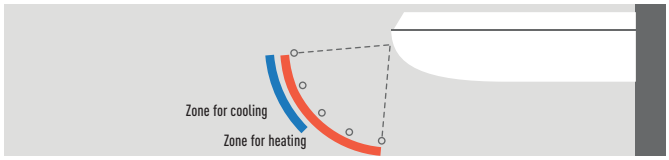
Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRT3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

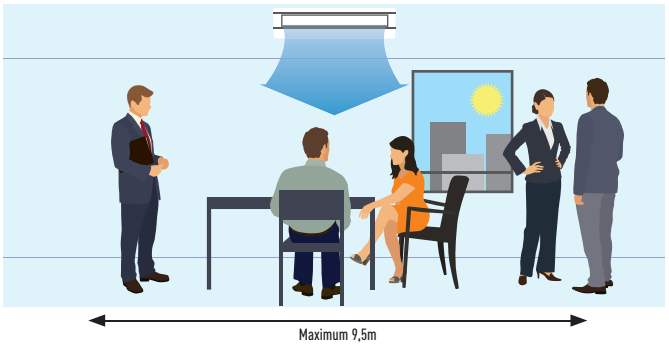
- Wide air distribution for large rooms
- Horizontal air flow reaches maximum 9,5m
- Fresh air connection available on the unit
- Slim design with 235m height fits narrow space
- Silent operation
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Twin, Triple and Double-twin split options
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

Air distribution is altered depending on the operational mode



Further comfort improvement with airflow distribution

Horizontal air flow reaches maximum 9,5m. This is ideal for wide rooms. The wide air discharge opening expands the air flow to the left and the right. The unpleasant feeling caused when the air flow directly hits the human body is prevented by the "Draft prevention position", which changes the swing width, so that the degree of comfort is increased.



			Three Phase			
			7,10kW	**10,00kW**	**12,50kW**	**14,00kW**
KIT			**KIT-71PT2ZH8**	**KIT-100PT2ZH8**	**KIT-125PT2ZH8**	**KIT-140PT2ZH8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	3,78	4,05	3,45	3,10
SEER [2]			**6,60 A++**	**6,90 A++**	**6,56**	**6,23**
Pdesign		kW	7,10	10,00	12,50	14,00
Input power cooling		kW	1,88	2,47	3,62	4,52
Annual energy consumption [3]		kWh/a	375	507	—	—
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,20 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	4,15	4,31	3,99	3,67
SCOP [2]			**4,60 A++**	**4,60 A++**	**4,36**	**4,28**
Pdesign at -10°C		kW	5,20	8,00	9,50	10,60
Input power heating		kW	1,93	2,60	3,51	4,36
Annual energy consumption [3]		kWh/a	1583	2435	—	—
Indoor unit			**S-71PT2E5B**	**S-100PT2E5B**	**S-125PT2E5B**	**S-140PT2E5B**
Air volume	Hi / Med / Lo	m^3/min	21,0 / 18,0 / 15,5	30,0 / 25,0 / 23,0	34,0 / 28,0 / 24,0	35,0 / 29,0 / 25,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37
Dimension	H x W x D	mm	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	33	40	40	40
Outdoor unit			**U-71PZH2E8**	**U-100PZH2E8**	**U-125PZH2E8**	**U-140PZH2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	2,95 / 2,85 / 2,75	3,85 / 3,65 / 3,55	5,65 / 5,40 / 5,20	7,10 / 6,75 / 6,50
	Heat (Hi / Med / Lo)	A	3,00 / 2,90 / 2,80	4,05 / 3,85 / 3,75	5,50 / 5,20 / 5,05	6,85 / 6,50 / 6,30
Air volume	Cool / Heat	m^3/min	61 / 60	118 / 108	125 / 112	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [5]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

R32 | A++ 7,20 SEER | A++ 4,80 SCOP | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | R22 R410A R32 R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-36PT2ZH5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard Ceiling Inverter+ • R32 GAS

Ceiling mounted units provide large and wide air distribution which is good for big rooms

The height and depth of all capacities are the same for unified appearance in mixed installations.

CZ-RWS3 + CZ-RWRT3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase				
			6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-60PT2Z5**	**KIT-71PT2Z5**	**KIT-100PT2Z5**	**KIT-125PT2Z5**	**KIT-140PT2Z5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,00 (2,00 ~ 7,10)	7,10 (2,00 ~ 7,70)	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	4,00	3,55	3,64 (5,36 - 2,80)	3,32 (5,33 - 2,77)	2,98 (5,32 - 2,73)
SEER [2]			**6,80A++**	**6,50A++**	**6,50A++**	**5,77**	**5,49**
Pdesign		kW	6,00	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	1,50	2,00	2,75 (0,56 - 4,10)	3,76 (0,60 - 4,88)	4,70 (0,62 - 5,50)
Annual energy consumption [3]		kWh/a	309	382	535	1300	1530
Heating capacity	Nominal (Min - Max)	kW	6,00 (1,80 ~ 7,00)	7,10 (1,80 ~ 8,10)	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]	Nominal (Min - Max)	W/W	4,80	4,41	4,24 (5,36 - 3,50)	3,89 (4,52 - 3,41)	3,70 (5,48 - 3,08)
SCOP [2]			**4,60A++**	**4,30A+**	**4,20 A+**	**3,75**	**3,70**
Pdesign at -10°C		kW	6,00	6,00	10,00	12,50	13,60
Input power heating	Nominal (Min - Max)	kW	1,25	1,62	2,36 (0,56 - 4,00)	3,21 (0,73 - 4,40)	3,78 (0,62 - 5,20)
Annual energy consumption [3]		kWh/a	1826	1953	3324	4669	5153
Indoor unit			**S-60PT2E5B**	**S-71PT2E5B**	**S-100PT2E5B**	**S-125PT2E5B**	**S-140PT2E5B**
Air volume	Hi / Med / Lo	m^3/min	20,0 / 17,0 / 14,5	21,0 / 18,0 / 15,5	30 / 25 / 23	34 / 28 / 24	35 / 29 / 25
Moisture removal volume		L/h	3,4	4,2	6,0	7,9	9,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	38/34/30	39/35/31	42/37/35	46/40/36	47/41/37
Sound power	Hi / Med / Lo	dB	56/52/48	57/53/49	60/55/53	64/58/54	65/59/55
Dimension	H x W x D	mm	235 x 1275 x 690	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	33	33	40	40	40
Outdoor unit			**U-60PZ2E5**	**U-71PZ2E5**	**U-100PZ2E5**	**U-125PZ2E5**	**U-140PZ2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	7,30 / 7,00 / 6,70	9,70 / 9,30 / 8,90	12,80 / 12,20 / 11,70	17,60 / 16,90 / 16,20	22,10 / 21,20 / 20,30
	Heat (Hi / Med / Lo)	A	6,05 / 5,80 / 5,55	7,85 / 7,50 / 7,20	10,90 / 10,40 / 10,00	15,00 / 14,30 / 13,70	17,70 / 16,90 / 16,20
Air volume	Cool / Heat	m^3/min	40 / 45	50 / 45	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	65 / 68	69 / 69	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [5]		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	35	35	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,45 / 0,979	1,45 / 0,979	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

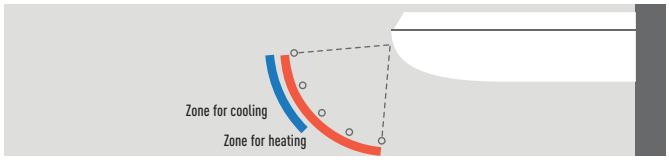
Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRT3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

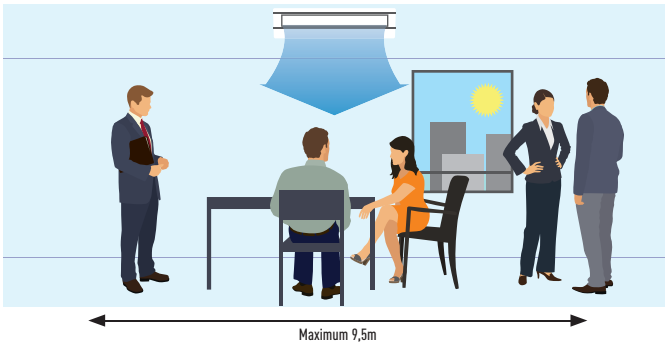
- Wide air distribution for large rooms
- Horizontal air flow reaches maximum 9,5m
- Fresh air connection available on the unit
- Slim design with 235m height fits narrow space
- Silent operation
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Twin, Triple and Double-twin split options
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

Air distribution is altered depending on the operational mode



Further comfort improvement with airflow distribution

Horizontal air flow reaches maximum 9,5m. This is ideal for wide rooms. The wide air discharge opening expands the air flow to the left and the right. The unpleasant feeling caused when the air flow directly hits the human body is prevented by the "Draft prevention position", which changes the swing width, so that the degree of comfort is increased.



			Three Phase		
			10,00kW	12,50kW	14,00kW
KIT			**KIT-100PT2Z8**	**KIT-125PT2Z8**	**KIT-140PT2Z8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	3,64 (5,36 - 2,80)	3,32 (5,33 - 2,77)	2,98 (5,32 - 2,73)
SEER [2]			**6,50 A++**	**5,75**	**5,48**
Pdesign		kW	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	2,75 (0,56 - 4,10)	3,76 (0,60 - 4,88)	4,70 (0,62 - 5,50)
Annual energy consumption [3]		kWh/a	538	1304	1534
Heating capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]	Nominal (Min - Max)	W/W	4,24 (5,36 - 3,50)	3,89 (4,52 - 3,41)	3,70 (5,48 - 3,08)
SCOP [2]			**4,20 A+**	**3,75**	**3,70**
Pdesign at -10°C		kW	10,00	12,50	13,60
Input power heating	Nominal (Min - Max)	kW	2,36 (0,56 - 4,00)	3,21 (0,73 - 4,40)	3,78 (0,62 - 5,20)
Annual energy consumption [3]		kWh/a	3324	4669	5153
Indoor unit			**S-100PT2E5B**	**S-125PT2E5B**	**S-140PT2E5B**
Air volume	Hi / Med / Lo	m³/min	30 / 25 / 23	34 / 28 / 24	35 / 29 / 25
Moisture removal volume		L/h	6,0	7,9	9,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37
Sound power	Hi / Med / Lo	dB	60 / 55 / 53	64 / 58 / 54	65 / 59 / 55
Dimension	H x W x D	mm	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	40	40	40
Outdoor unit			**U-100PZ2E8**	**U-125PZ2E8**	**U-140PZ2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	4,37 / 4,15 / 4,00	5,90 / 5,60 / 5,40	7,40 / 7,05 / 6,80
	Heat (Hi / Med / Lo)	A	3,72 / 3,55 / 3,40	5,00 / 4,75 / 4,60	5,90 / 5,60 / 5,40
Air volume	Cool / Heat	m³/min	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [5]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

SEER and SCOP: For KIT-60PT2Z5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite High Static Pressure Hide Away Inverter+ • R32 GAS

The ducted systems are the ideal solution for flexible, concealed air conditioning and the optional 200mm spigots ensure simple, hassle-free connection to spiral ductwork.

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase						
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-36PF1ZH5**	**KIT-50PF1ZH5**	**KIT-60PF1ZH5**	**KIT-71PF1ZH5**	**KIT-100PF1ZH5**	**KIT-125PF1ZH5**	**KIT-140PF1ZH5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)	6,00 (2,00 - 7,10)	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	4,74	4,03	3,68	3,84	4,13	3,52	3,26
SEER [2]			**6,10 A++**	**5,90 A+**	**6,40 A++**	**6,50 A++**	**6,20 A++**	**5,88**	**5,73**
Pdesign		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power cooling		kW	0,76	1,24	1,63	1,85	2,42	3,55	4,30
Annual energy consumption [3]		kWh/a	207	297	328	382	564	—	—
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)	7,00 (1,80 - 8,00)	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,20 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	4,76	4,18	4,14	4,00	4,31	4,02	3,65
SCOP [2]			**4,30 A+**	**4,20 A+**	**4,30 A+**	**4,60 A++**	**4,40 A+**	**4,26**	**4,18**
Pdesign at -10°C		kW	3,60	4,00	6,00	5,20	8,00	9,50	10,60
Input power heating		kW	0,84	1,34	1,69	2,00	2,60	3,48	4,38
Annual energy consumption [3]		kWh/a	1172	1500	1953	1582	2545	—	—
Indoor unit			**S-36PF1E5B**	**S-50PF1E5B**	**S-60PF1E5B**	**S-71PF1E5B**	**S-100PF1E5B**	**S-125PF1E5B**	**S-140PF1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	70 (10 - 150)	70 (10 - 150)	70 (10 - 150)	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	14,0 / 13,0 / 10,0	16,0 / 15,0 / 12,0	21,0 / 19,0 / 15,0	21,0 / 19,0 / 15,0	32,0 / 26,0 / 21,0	34,0 / 29,0 / 23,0	36,0 / 32,0 / 25,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	33 / 29 / 25	34 / 30 / 26	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Dimension	H x W x D	mm	290 x 800 x 700	290 x 800 x 700	290 x 1000 x 700	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	28	28	33	33	45	45	45
Outdoor unit			**U-36PZH2E5**	**U-50PZH2E5**	**U-60PZH2E5**	**U-71PZH2E5**	**U-100PZH2E5**	**U-125PZH2E5**	**U-140PZH2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	3,45 / 3,30 / 3,15	5,50 / 5,25 / 5,05	7,65 / 7,30 / 7,00	8,35 / 8,00 / 7,65	10,60 / 10,20 / 9,75	15,90 / 15,20 / 14,60	19,50 / 18,60 / 17,80
	Heat (Hi / Med / Lo)	A	3,85 / 3,70 / 3,55	6,05 / 5,80 / 5,55	7,95 / 7,60 / 7,25	8,90 / 8,50 / 8,25	11,50 / 11,00 / 10,50	15,60 / 14,90 / 14,30	19,90 / 19,00 / 18,20
Air volume	Cool / Heat	m³/min	40 / 40	40 / 45	40 / 45	61 / 60	118 / 108	125 / 122	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	43 / 44	45 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	62 / 64	64 / 68	65 / 69	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	43	43	44	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [6]		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,15 / 0,776	1,15 / 0,776	1,45 / 0,979	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption

Accessories	
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-56DAF2	Air Outlet Plenum S . .PF1E5B 36, 45 & 50
CZ-90DAF2	Air Outlet Plenum S . .PF1E5B 60 & 71
CZ-160DAF2	Air Outlet Plenum S . .PF1E5B 100, 125 & 140
CZ-DUMPA90MF2	Air Inlet Plenum S . .PF1E5B 60 & 71
CZ-DUMPA160MF2	Air Inlet Plenum S . .PF1E5B 100, 125 & 140
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

- High ESP (external static pressure) up to 150 Pa
- Automatic learning function for the required static pressure on site during commissioning (a standard wired remote controller is required)
- DC FAN for better efficiency and control
- Built in drain pump
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Twin split options
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

The static pressure outside the unit can be increased up to 150 Pa

Type		36	45	50	60	71	100	125	140
Standard	Pa	70	70	70	70	70	100	100	100
Maximum available setting	Pa	150	150	150	150	150	150	150	150

More powerful drain pump

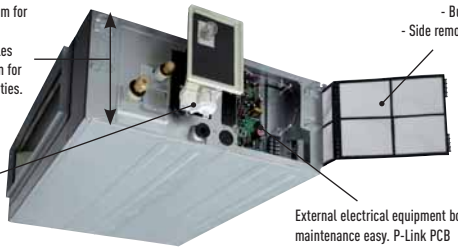
Using a high-lift drain pump, drain piping can be elevated up to 785mm from the base of the unit.

Plenums

Air Outlet Plenum (without regulation adaptor)	Diameters	Model
36, 45 & 50	2xØ 200	CZ-56DAF2
60 & 71	3xØ 200	CZ-90DAF2
100, 125 & 140	4xØ 200	CZ-160DAF2

Air Inlet Plenum	Diameters	Model
60 & 71	3xØ 200	CZ-DUMPA90MF2
100, 125 & 140	4xØ 200	CZ-DUMPA160MF2

Standardized height of 290mm for all models.
Height standardization enables easy and uniform installation for models with different capacities.



- Built-in filter
- Side removable filter

Built-in Drain pump (DC motor pump)

External electrical equipment box makes maintenance easy. P-Link PCB

			Three Phase			
			7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-71PF1ZH8**	**KIT-100PF1ZH8**	**KIT-125PF1ZH8**	**KIT-140PF1ZH8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	3,84	4,13	3,52	3,26
SEER [2]			**6,40 A++**	**6,10 A++**	**5,87**	**5,72**
Pdesign		kW	7,10	10,00	12,50	14,00
Input power cooling		kW	1,85	2,42	3,55	4,30
Annual energy consumption [3]		kWh/a	388	574	—	—
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,20 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	4,00	4,31	4,02	3,65
SCOP [2]			**4,60 A++**	**4,40 A+**	**4,26**	**4,18**
Pdesign at -10°C		kW	5,20	8,00	9,50	10,60
Input power heating		kW	2,00	2,60	3,48	4,38
Annual energy consumption [3]		kWh/a	1582	2545	—	—
Indoor unit			**S-71PF1E5B**	**S-100PF1E5B**	**S-125PF1E5B**	**S-140PF1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	21,0 / 19,0 / 15,0	32,0 / 26,0 / 21,0	34,0 / 29,0 / 23,0	36,0 / 32,0 / 25,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Dimension	H x W x D	mm	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	33	45	45	45
Outdoor unit			**U-71PZH2E8**	**U-100PZH2E8**	**U-125PZH2E8**	**U-140PZH2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	2,80 / 2,70 / 2,60	3,60 / 3,40 / 3,30	5,40 / 5,10 / 4,95	6,60 / 6,25 / 6,05
	Heat (Hi / Med / Lo)	A	3,00 / 2,90 / 2,80	3,90 / 3,70 / 3,55	5,30 / 5,00 / 4,85	6,70 / 6,40 / 6,15
Air volume	Cool / Heat	m³/min	61 / 60	118 / 108	125 / 112	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [6]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Medium External static pressure setting from factory. 5) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

R32 | A++ 6,50 SEER | A++ 4,60 SCOP | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | DC FAN | FILTER INCLUDED | R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-71PF1ZH5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard High Static Pressure Hide Away Inverter+ • R32 GAS

The ducted systems are the ideal solution for flexible, concealed air conditioning and the optional 200mm spigots ensure simple, hassle-free connection to spiral ductwork.

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase				
			6,00kW	**7,10kW**	**10,00kW**	**12,50kW**	**14,00kW**
KIT			**KIT-60PF1Z5**	**KIT-71PF1Z5**	**KIT-100PF1Z5**	**KIT-125PF1Z5**	**KIT-140PF1Z5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,00 (2,00 ~ 7,10)	7,10 (2,00 ~ 7,70)	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	3,51	3,23	3,66 (5,36 - 2,81)	3,52 (5,33 - 2,80)	3,18 (5,32 - 2,70)
SEER [2]			**6,10 A++**	**6,10 A++**	**5,60 A+**	**5,56**	**5,38**
Pdesign		kW	6,00	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	1,71	2,20	2,73 (0,56 - 4,09)	3,55 (0,60 - 4,82)	4,40 (0,62 - 5,56)
Annual energy consumption [3]		kWh/a	344	407	625	787	911
Heating capacity	Nominal (Min - Max)	kW	6,00 (1,80 ~ 7,00)	7,10 (1,80 ~ 8,10)	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]	Nominal (Min - Max)	W/W	4,55	4,13	4,31 (5,36 - 3,51)	4,02 (5,50 - 3,45)	3,79 (5,48 - 3,13)
SCOP [2]			**4,20 A+**	**4,30 A+**	**3,80 A**	**3,61**	**3,54**
Pdesign at -10°C		kW	6,00	6,00	10,00	12,50	13,60
Input power heating	Nominal (Min - Max)	kW	1,32	1,72	2,32 (0,56 - 3,99)	3,11 (0,60 - 4,35)	3,69 (0,62 - 5,12)
Annual energy consumption [3]		kWh/a	2000	1953	3684	4848	5379
Indoor unit			**S-60PF1E5B**	**S-71PF1E5B**	**S-100PF1E5B**	**S-125PF1E5B**	**S-140PF1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	70 (10 - 150)	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	21,0 / 19,0 / 15,0	21,0 / 19,0 / 15,0	32,0 / 26,0 / 21,0	34,0 / 29,0 / 23,0	36,0 / 32,0 / 25,0
Moisture removal volume		L/h	3,4	4,2	6,0	7,9	9,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Sound power	Hi / Med / Lo	dB	57 / 54 / 48	57 / 54 / 48	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55
Dimension	H x W x D	mm	290 x 1000 x 700	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	33	33	45	45	45
Outdoor unit			**U-60PZ2E5**	**U-71PZ2E5**	**U-100PZ2E5**	**U-125PZ2E5**	**U-140PZ2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	8,05 / 7,70 / 7,35	10,40 / 9,95 / 9,50	12,10 / 11,60 / 11,10	16,10 / 15,50 / 14,80	20,20 / 19,30 / 18,60
	Heat (Hi / Med / Lo)	A	6,05 / 5,80 / 5,55	8,10 / 7,75 / 7,40	10,10 / 9,70 / 9,30	14,00 / 13,40 / 12,90	16,80 / 16,00 / 15,30
Air volume	Cool / Heat	m³/min	40 / 45	50 / 45	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	65 / 68	69 / 69	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [6]		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	35	35	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,45 / 0,979	1,45 / 0,979	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption

Accessories	
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-90DAF2	Air Outlet Plenum S . .PF1E5B 60 & 71
CZ-160DAF2	Air Outlet Plenum S . .PF1E5B 100, 125 & 140
CZ-DUMPA90MF2	Air Inlet Plenum S . .PF1E5B 60 & 71
CZ-DUMPA160MF2	Air Inlet Plenum S . .PF1E5B 100, 125 & 140
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

- High ESP (external static pressure) up to 150 Pa
- Automatic learning function for the required static pressure on site during commissioning (a standard wired remote controller is required)
- DC FAN for better efficiency and control
- Built in drain pump
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Twin split options
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

The static pressure outside the unit can be increased up to 150 Pa

Type		60	71	100	125	140
Standard	Pa	70	70	100	100	100
Maximum available setting	Pa	150	150	150	150	150

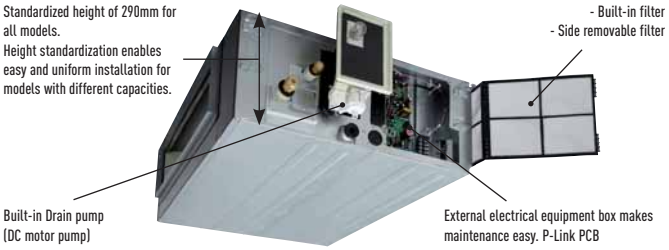
More powerful drain pump

Using a high-lift drain pump, drain piping can be elevated up to 785mm from the base of the unit.

Plenums

Air Outlet Plenum (without regulation adaptor)	Diameters	Model
60 & 71	3xØ 200	CZ-90DAF2
100, 125 & 140	4xØ 200	CZ-160DAF2

Air Inlet Plenum	Diameters	Model
60 & 71	3xØ 200	CZ-DUMPA90MF2
100, 125 & 140	4xØ 200	CZ-DUMPA160MF2



			Three Phase		
			10,00kW	12,50kW	14,00kW
KIT			**KIT-100PF1Z8**	**KIT-125PF1Z8**	**KIT-140PF1Z8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	3,66 (5,36 - 2,81)	3,52 (5,33 - 2,80)	3,18 (5,32 - 2,70)
SEER [2]			**5,60 A+**	**5,54**	**5,37**
Pdesign		kW	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	2,73 (0,56 - 4,09)	3,55 (0,60 - 4,82)	4,40 (0,62 - 5,56)
Annual energy consumption [3]		kWh/a	625	790	912
Heating capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]	Nominal (Min - Max)	W/W	4,31 (5,36 - 3,51)	4,02 (5,50 - 3,45)	3,79 (5,48 - 3,13)
SCOP [2]			**3,80 A**	**3,61**	**3,54**
Pdesign at -10°C		kW	10,00	12,50	13,60
Input power heating	Nominal (Min - Max)	kW	2,32 (0,56 - 3,99)	3,11 (0,60 - 4,35)	3,69 (0,62 - 5,12)
Annual energy consumption [3]		kWh/a	3684	4848	5379
Indoor unit			**S-100PF1E5B**	**S-125PF1E5B**	**S-140PF1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m^3/min	32,0 / 26,0 / 21,0	34,0 / 29,0 / 23,0	36,0 / 32,0 / 25,0
Moisture removal volume		L/h	6,0	7,9	9,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Sound power	Hi / Med / Lo	dB	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55
Dimension	H x W x D	mm	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	45	45	45
Outdoor unit			**U-100PZ2E8**	**U-125PZ2E8**	**U-140PZ2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	4,15 / 3,95 / 3,80	5,40 / 5,10 / 4,95	6,75 / 6,40 / 6,15
	Heat (Hi / Med / Lo)	A	3,45 / 3,30 / 3,20	4,70 / 4,45 / 4,30	5,60 / 5,30 / 5,15
Air volume	Cool / Heat	m^3/min	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [6]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Medium External static pressure setting from factory. 5) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

R32 | A++ 6,10 SEER | A+ 4,30 SCOP | INVERTER+ | -10°C COOLING MODE | -15°C HEATING MODE | DC FAN | FILTER INCLUDED | R22 R410A R32 R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-71PF1Z5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite Low Static Pressure Hide Away Inverter+ • R32 GAS

The depth of only 250mm provides greater installation flexibility and the unit can be used in more applications. Ideal for sites with narrow ceiling voids.

Ultra-slim profile: 250mm height for all models.

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase						
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-36PN1ZH5**	**KIT-50PN1ZH5**	**KIT-60PN1ZH5**	**KIT-71PN1ZH5**	**KIT-100PN1ZH5**	**KIT-125PN1ZH5**	**KIT-140PN1ZH5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)	6,00 (2,00 - 7,10)	7,10 (2,00 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	3,85	3,40	3,41	3,40	3,95	3,35	3,15
SEER [2]			**5,10 A**	**5,10 A**	**6,00 A+**	**6,00 A+**	**6,00 A+**	**5,95**	**5,84**
Pdesign		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power cooling		kW	0,93	1,47	1,76	2,09	2,53	3,73	4,45
Annual energy consumption [3]		kWh/a	246	342	350	414	582	—	—
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)	7,00 (1,80 - 7,00)	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,30 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	4,40	3,50	3,80	3,90	4,00	3,70	3,50
SCOP [2]			**4,00 A+**	**4,00 A+**	**4,00 A+**	**4,00 A+**	**4,00 A+**	**3,91**	**3,80**
Pdesign at -10°C		kW	3,60	3,80	5,60	5,20	8,00	9,50	10,60
Input power heating		kW	0,91	1,60	1,84	2,05	2,80	3,78	4,45
Annual energy consumption [3]		kWh/a	1258	1573	2095	1914	2799	—	—
Indoor unit			**S-36PN1E5B**	**S-50PN1E5B**	**S-60PN1E5B**	**S-71PN1E5B**	**S-100PN1E5B**	**S-125PN1E5B**	**S-140PN1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	25 (10 - 80)	25 (10 - 80)	25 (10 - 80)	25 (10 - 80)	40 (10 - 80)	50 (10 - 80)	50 (10 - 80)
Air volume	Hi / Med / Lo	m³/min	14,0 / 12,0 / 10,0	16,0 / 13,0 / 10,0	22,0 / 20,0 / 16,0	22,0 / 20,0 / 16,0	36,0 / 33,0 / 26,0	38,0 / 35,0 / 28,0	40,0 / 37,0 / 30,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	35 / 33 / 30	36 / 34 / 30	38 / 36 / 31	38 / 36 / 31	39 / 37 / 32	40 / 38 / 33	41 / 39 / 34
Dimension	H x W x D	mm	250 x 780 x 650	250 x 780 x 650	250 x 1000 x 650	250 x 1000 x 650	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight	Indoor / Panel	kg	29	29	32	32	41	41	41
Outdoor unit			**U-36PZH2E5**	**U-50PZH2E5**	**U-60PZH2E5**	**U-71PZH2E5**	**U-100PZH2E5**	**U-125PZH2E5**	**U-140PZH2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool	A	4,20 / 4,00 / 3,85	6,50 / 6,20 / 5,95	8,20 / 7,85 / 7,50	9,45 / 9,00 / 8,60	11,20 / 10,70 / 10,20	16,90 / 16,10 / 15,40	20,00 / 19,30 / 18,40
	Heat	A	4,10 / 3,90 / 3,75	7,15 / 6,85 / 6,55	8,60 / 8,25 / 7,85	9,20 / 8,85 / 8,45	2,40 / 11,90 / 11,40	17,00 / 16,20 / 15,60	20,20 / 19,30 / 18,50
Air volume	Cool / Heat	m³/min	40 / 40	40 / 45	40 / 45	61 / 60	118 / 108	125 / 122	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	43 / 44	45 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	62 / 64	64 / 68	65 / 69	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	43	43	44	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [6]		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45	45	45
Refrigerant (R32) / CO_2	Eq.	kg / T	1,15 / 0,776	1,15 / 0,776	1,45 / 0,979	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support

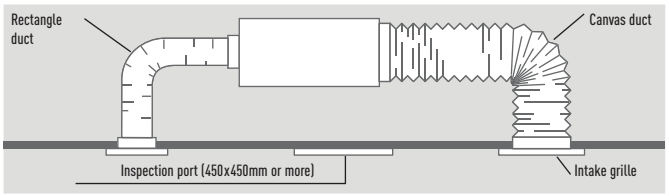
Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

Technical focus

- Automatic learning function for the required static pressure on site during commissioning (a standard wired remote controller is required. S-60/71/100/125/140PN1E5B models only)
- Compact indoor units without loosing static pressure (only 250mm high)
- 50 Pa static pressure
- Easy maintenance and service via external electrical box
- 3 speed centrifugal fan through wired or Infrared remote controller
- DC FAN for better efficiency and control
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

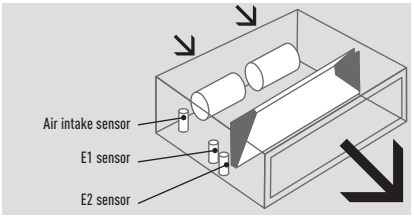
System Example

An inspection port (450mmx450mm or more) is required at the control-box side of the indoor unit body.



Cold Drafts Reduction at Heating

Accurate DX Coil temperature measurement by E1 and E2 sensor to reduce cold drafts at heating and increasing efficiency and comfort.



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

			Three Phase			
			7,10kW	**10,00kW**	**12,50kW**	**14,00kW**
KIT			**KIT-71PN1ZH8**	**KIT-100PN1ZH8**	**KIT-125PN1ZH8**	**KIT-140PN1ZH8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	3,40	3,95	3,35	3,15
SEER [2]			**5,90 A+**	**5,90 A+**	**5,93**	**5,82**
Pdesign		kW	7,10	10,00	12,50	14,00
Input power cooling		kW	2,09	2,53	3,73	4,45
Annual energy consumption [3]		kWh/a	418	588	—	—
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,30 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	3,90	4,00	3,70	3,60
SCOP [2]			**4,00 A+**	**4,00 A+**	**3,91**	**3,80**
Pdesign at -10°C		kW	5,20	8,00	9,50	10,60
Input power heating		kW	2,05	2,80	3,78	4,45
Annual energy consumption [3]		kWh/a	1914	2799	—	—
Indoor unit			**S-71PN1E5B**	**S-100PN1E5B**	**S-125PN1E5B**	**S-140PN1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	25 (10 - 80)	40 (10 - 80)	50 (10 - 80)	50 (10 - 80)
Air volume	Hi / Med / Lo	m³/min	22,0 / 20,0 / 16,0	36,0 / 33,0 / 26,0	38,0 / 35,0 / 28,0	46,0 / 37,0 / 30,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	38 / 36 / 31	39 / 37 / 32	40 / 38 / 33	41 / 39 / 34
Dimension	H x W x D	mm	250 x 1000 x 650	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight	Indoor / Panel	kg	32	41	41	41
Outdoor unit			**U-71PZH2E8**	**U-100PZH2E8**	**U-125PZH2E8**	**U-140PZH2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool	A	3,20 / 3,05 / 2,95	3,75 / 3,55 / 3,45	5,65 / 5,40 / 5,20	11,70 / 11,20 / 10,70
	Heat	A	3,20 / 2,95 / 2,85	4,20 / 4,00 / 3,85	5,75 / 5,45 / 5,25	6,80 / 6,45 / 6,20
Air volume	Cool / Heat	m³/min	61 / 60	118 / 108	125 / 112	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [6]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Medium external static pressure setting from factory. 5) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

R32 | A+ 6,00 SEER | A+ 4,00 SCOP | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | DC FAN | FILTER INCLUDED | R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: KIT-60PN1ZH5, KIT-71PN1ZH5 and KIT-100PN1ZH5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard Low Static Pressure Hide Away Inverter+ • R32 GAS

The depth of only 250mm provides greater installation flexibility and the unit can be used in more applications. Ideal for sites with narrow ceiling voids.

Ultra-slim profile: 250mm height for all models.

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase				
			6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-60PN1Z5**	**KIT-71PN1Z5**	**KIT-100PN1Z5**	**KIT-125PN1Z5**	**KIT-140PN1Z5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,00 (2,00 ~ 7,10)	7,10 (2,00 ~ 7,70)	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]		W/W	3,31	3,11	3,30	3,20	3,00
SEER [2]			**5,80 A+**	**5,80 A+**	**5,40 A**	**5,13**	**5,02**
Pdesign		kW	6,00	7,10	10,00	12,50	14,00
Input power cooling		kW	1,81	2,28	3,03	3,90	4,65
Annual energy consumption [3]		kWh/a	361	428	641	—	—
Heating capacity	Nominal (Min - Max)	kW	6,00 (1,80 ~ 7,00)	7,10 (1,80 ~ 8,10)	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]		W/W	3,90	3,72	3,91	3,60	3,55
SCOP [2]			**4,00 A+**	**4,00 A+**	**3,90 A**	**3,60**	**3,51**
Pdesign at -10°C		kW	5,60	5,60	7,60	12,50	14,00
Input power heating		kW	1,54	1,90	2,56	3,46	3,94
Annual energy consumption [3]		kWh/a	2095	2100	3589	—	—
Indoor unit			**S-60PN1E5B**	**S-71PN1E5B**	**S-100PN1E5B**	**S-125PN1E5B**	**S-140PN1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	25 (10 - 80)	25 (10 - 80)	40 (10 - 80)	50 (10 - 80)	50 (10 - 80)
Air volume	Hi / Med / Lo	m³/min	22,0 / 20,0 / 16,0	22,0 / 20,0 / 16,0	36,0 / 33,0 / 26,0	38,0 / 35,0 / 28,0	40,0 / 37,0 / 30,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	38 / 36 / 31	38 / 36 / 31	39 / 37 / 32	40 / 38 / 33	41 / 39 / 34
Dimension	H x W x D	mm	250 x 1000 x 650	250 x 1000 x 650	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight		kg	32	32	41	41	41
Outdoor unit			**U-60PZ2E5**	**U-71PZ2E5**	**U-100PZ2E5**	**U-125PZ2E5**	**U-140PZ2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool	A	8,30 / 8,00 / 7,60	10,60 / 10,10 / 9,60	14,00 / 13,30 / 12,80	17,90 / 17,10 / 16,50	21,50 / 20,50 / 19,60
	Heat	A	7,00 / 6,70 / 6,40	8,80 / 8,40 / 8,00	11,60 / 11,10 / 10,70	15,80 / 15,10 / 14,50	18,00 / 17,30 / 16,50
Air volume	Cool / Heat	m³/min	40 / 45	50 / 45	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	65 / 68	69 / 69	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [6]		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	35	35	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,45 / 0,979	1,45 / 0,979	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support

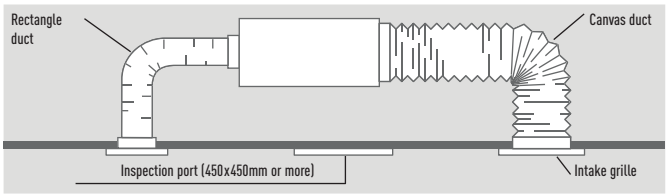
Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

- Automatic learning function for the required static pressure on site during commissioning (a standard wired remote controller is required. S-60/71/100/125/140PN1E5B models only)
- Compact indoor units without loosing static pressure (only 250mm high)
- 50 Pa static pressure
- Easy maintenance and service via external electrical box
- 3 speed centrifugal fan through wired or Infrared remote controller
- DC FAN for better efficiency and control
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

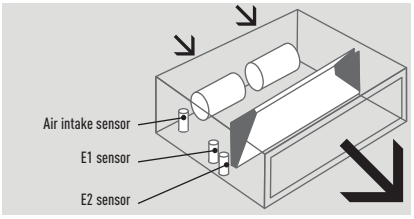
System Example

An inspection port (450mmx450mm or more) is required at the control-box side of the indoor unit body.



Cold Drafts Reduction at Heating

Accurate DX Coil temperature measurement by E1 and E2 sensor to reduce cold drafts at heating and increasing efficiency and comfort.



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

			Three Phase		
			10,00kW	12,50kW	14,00kW
KIT			**KIT-100PN1Z8**	**KIT-125PN1Z8**	**KIT-140PN1Z8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]		W/W	3,30	3,21	3,01
SEER [2]			**5,40 A**	**5,11**	**5,01**
Pdesign		kW	10,00	12,50	14,00
Input power cooling		kW	3,03	3,90	4,65
Annual energy consumption [3]		kWh/a	648	—	—
Heating capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]		W/W	3,91	3,61	3,55
SCOP [2]			**3,90 A**	**3,60**	**3,51**
Pdesign at -10°C		kW	7,60	12,50	14,00
Input power heating		kW	2,56	3,46	3,94
Annual energy consumption [3]		kWh/a	3589	—	—
Indoor unit			**S-100PN1E5B**	**S-125PN1E5B**	**S-140PN1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	40 (10 - 80)	50 (10 - 80)	50 (10 - 80)
Air volume	Hi / Med / Lo	m³/min	36,0 / 33,0 / 26,0	38,0 / 35,0 / 28,0	40,0 / 37,0 / 30,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	39 / 37 / 32	40 / 38 / 33	41 / 39 / 34
Dimension	H x W x D	mm	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight		kg	41	41	41
Outdoor unit			**U-100PZ2E8**	**U-125PZ2E8**	**U-140PZ2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool	A	4,70 / 4,50 / 4,30	6,00 / 5,70 / 5,50	7,20 / 6,80 / 6,60
	Heat	A	3,90 / 3,70 / 3,60	5,30 / 5,00 / 4,90	6,00 / 5,70 / 5,50
Air volume	Cool / Heat	m³/min	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [6]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Medium external static pressure setting from factory. 5) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

R32 | A+ 5,80 SEER | A+ 4,00 SCOP | INVERTER+ | -10°C COOLING MODE | -15°C HEATING MODE | DC FAN | FILTER INCLUDED | R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-60PN1Z5 and KIT-71PN1Z5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

NEW PANASONIC BIG PACi SERIES R32

20,00 – 25,00kW is ideally suited for small, mid retail applications.
In addition to its light net weight and compact body, split-able Hide Away design newly developed enables easy piping work in narrow installation space.

Panasonic Big PACi, not only environmental friendly but also groundbreaking products

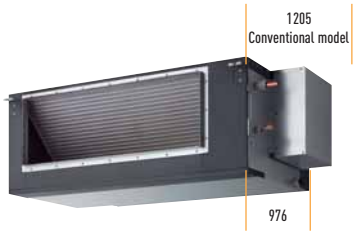
- High efficiency with Panasonic compressor as the driving force
- Compact & light indoor body
- Easy piping work with split-able Hide Away indoor design
- Separable indoor unit allows flexible installation to fit in narrow space
- Water Heat Exchanger compatibility
- Bluefin anti-rust coating
- Cloud Control compatible

Compact and light indoor body keeping high efficiency

15% lighter weight vs conventional model helps installation work drastically.

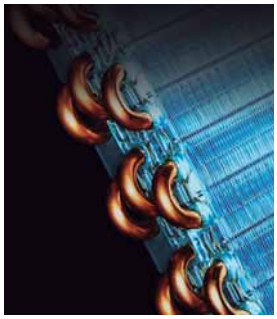
	Conventional model	New
20,00kW	100kg	**86kg**
25,00kW	104kg	**88kg**

DEPTH WAS REDUCED BY 230mm



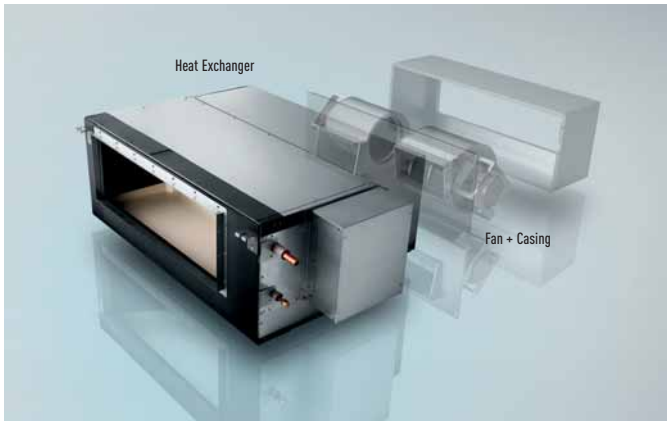
Heat Exchanger with blue coated fins

Blue coated fins for corrosion resistance are equipped as standard in all R32 PACi models.



Easy piping work with split-able Hide Away indoor design

Part of heat exchanger and part of fan (fan + casing) can be separated while being installed.
The Hide Away indoor unit newly designed for easy reassemble totally fits in narrow space.



Water Heat Exchanger compatibility

New PACi Water Heat Exchanger is available to connect with Big PACi systems. Offering various possibilities for hydronic application, heating, cooling and DHW.

Cloud Control compatibility

Big PACi is compatible with Panasonic Cloud controls from wherever you are, 24/7/365.

Comfort cloud for end-users, owners

Panasonic

Panasonic AC Smart Cloud for professionals

PANASONIC AC SMART CLOUD

New Big PACi High Static Pressure Hide Away 20,00-25,00kW Inverter+ • R32 GAS

NEW 2019

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

Big PACi with R32 has been introduced with full renewal of its indoor unit, offering hydronic application by PACi Water Heat Exchanger

Big PACi is useful and cost saving solution for small and mid size of projects, can be offered also with VRF system.
Compact and light indoor body keeping the high efficiency is split-able design for easy piping work at limited narrow space.

Technical focus

- Highly efficient with compact indoor body, -16kg lighter than conventional model (10HP)
- Split-able Hide Away indoor design for easy & flexible piping work
- Better partial load control with Panasonic compressor
- Bluefin anti-rust coating
- PACi Water Heat Exchanger compatible
- Panasonic cloud control compatible
- 0-10V demand control

			Three Phase	
			20,00kW	**25,00kW**
KIT			**KIT-200PE3ZH8**	**KIT-250PE3ZH8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	19,50 (5,70 - 21,00)	23,20 (6,10 - 27,00)
EER [1]		W/W	3,22	3,11
SEER [2]			**5,25**	**4,84**
Pdesign		kW	19,50	23,20
Input power cooling		kW	6,06	7,46
Heating capacity	Nominal (Min - Max)	kW	22,40 (5,00 - 25,00)	28,00 (5,50 - 29,00)
COP [1]		W/W	3,61	3,41
SCOP [2]			**3,61**	**3,64**
Pdesign at -10°C		kW	17,00	20,00
Input power heating		kW	6,21	8,21
Indoor unit			**S-200PE3E5B**	**S-250PE3E5B**
Power source		V / ph / Hz	220 - 230 - 240 / 1 / 50	220 - 230 - 240 / 1 / 50
External static pressure at shipment (adjustable)		Pa	75 [3] - 120 - 180	75 [3] - 130 - 200
Air volume	Hi / Med / Lo	m³/min	72 / 63 / 53	84 / 72 / 59
Sound pressure [4]	Hi / Med / Lo	dB(A)	46 / 44 / 41	47 / 45 / 42
Dimension	H x W x D	mm	486 x 1456 x 916	486 x 1456 x 916
Net weight		kg	86	88
Outdoor unit			**U-200PZH2E8**	**U-250PZH2E8**
Power source		V / ph / Hz	380 - 400 - 415 / 3 / 50	380 - 400 - 415 / 3 / 50
Recommended fuse		A	30	30
Air volume	Cool / Heat	m³/min	164 / 164	160 / 160
Sound pressure	Cool / Heat (Hi)	dB(A)	59 / 61	59 / 63
Sound power	Cool / Heat (Hi)	dB	77 / 79	78 / 82
Dimension [5]	H x W x D	mm	1500 x 980 x 370	1500 x 980 x 370
Net weight		kg	117	128
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	1/2 (12,70)
	Gas pipe	Inch (mm)	1 (25,40)	1 (25,40)
Pipe length range		m	5 ~ 90	5 ~ 60
Elevation difference (in/out) [6]		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	60	80
Refrigerant (R32) / CO_2 Eq.		kg / T	4,20 / 2,835	5,20 / 3,51
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller

Accessories	
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) Factory setting. 4) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) Add 100mm for indoor unit or 70mm for outdoor unit for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit. * No filter included. * These models will be available in May 2019.

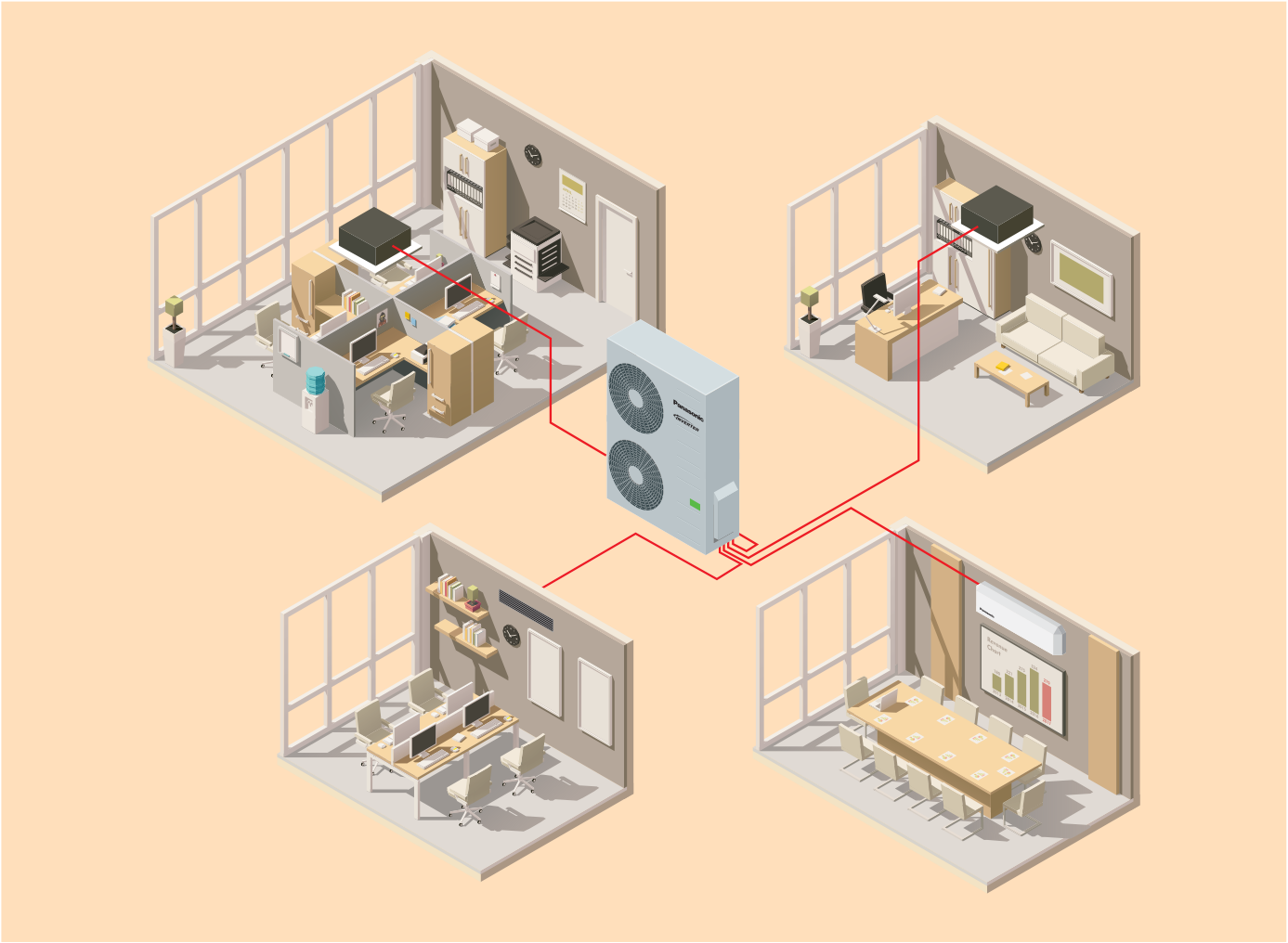
R32 | INVERTER+ | HIGH EFFICIENCY COMPRESSOR | -15°C COOLING MODE | -20°C HEATING MODE | BLUEFIN | LARGE FAN | R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi SINGLE, TWIN, TRIPLE AND DOUBLE-TWIN SYSTEM

With this system, a single outdoor unit can split capacity for up to 4 indoor areas simultaneously. This makes the system particularly apt for common areas. It reduces noise concentration and enables the same temperature to be reached around the room. A mix of indoor units can be installed (Wall, Cassette, Hide Away, Ceiling) in one system.



1 PACi Standard from 7,10 to 14,00kW

Up to 2 indoor units connectable on the same outdoor. Panasonic's PACi units can be installed as single and twin systems. The indoor units can be combined following the selection table. The operation will always be simultaneous. All the indoor units will work with the same settings.

2 PACi Elite from 7,10 to 14,00kW

Up to 4 indoor units can be connected to the same outdoor unit. Panasonic's PACi units 71,00, 10,00, 12,50 and 14,00 can be installed as twin, triple and double-twin systems. The indoor units can be combined as per the selection table. The operation will always be simultaneous. All the indoor units will work with the same settings.

3 Big PACi Elite from 20,00 to 25,00kW

Up to 4 indoor units can be connected to the same outdoor unit. Panasonic's PACi units 20,00 and 25,00 can be installed as twin, triple and double-twin systems. The indoor units can be combined as per the selection table. The operation will always be simultaneous. All the indoor units will work with the same settings.


U-71PZH2E5
U-71PZH2E8


U-100PZH2E5
U-100PZH2E8
U-125PZH2E5
U-125PZH2E8
U-140PZH2E5
U-140PZH2E8


U-200PZH2E8
U-250PZH2E8

PACi Elite Outdoor Units • R32 Gas [1]

			7,10kW	10,00kW	12,50kW	14,00kW	20,00kW	25,00kW
Outdoor unit Single Phase			**U-71PZH2E5**	**U-100PZH2E5**	**U-125PZH2E5**	**U-140PZH2E5**	—	—
Outdoor unit Three Phase			**U-71PZH2E8**	**U-100PZH2E8**	**U-125PZH2E8**	**U-140PZH2E8**	**U-200PZH2E8** [2]	**U-250PZH2E8** [2]
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)	20,00 (5,70 - 22,40)	25,00 (6,10 - 28,00)
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,20 - 16,00)	16,00 (3,30 - 18,00)	22,40 (5,00 - 25,00)	28,00 (5,50 - 31,50)
Power source	Single Phase	V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	—	—
	Three Phase	V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Connection indoor / outdoor		mm²	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5	—	—
Air volume	Cool / Heat	m³/min	61 / 60	118 / 108	125 / 122	129 / 116	164 / 164	160 / 160
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 54	59 / 61	59 / 63
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69	70 / 70	71 / 71	77 / 79	78 / 82
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1500 x 980 x 370	1500 x 980 x 370
Net weight		kg	68	99	99	99	117	128
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	1 (25,40)	1 (25,40)
Pipe length range	Min ~ Max	m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85	5 ~ 80	5 ~ 60
Elevation difference (in/out)	Max	m	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30
Additional gas amount		g/m	45	45	45	45	60	80
Refrigerant (R32) / CO_2 Eq.		kg / T	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059	4,20 / 2,835	5,20 / 3,51
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) These models will be available in Winter 2018. 2) These models will be available in May 2019. Tentative data.


U-71PZ2E5


U-100PZ2E5
U-100PZ2E8
U-125PZ2E5
U-125PZ2E8
U-140PZ2E5
U-140PZ2E8

PACi Standard Outdoor Units • R32 Gas

			7,10kW	10,00kW	12,50kW	14,00kW
Outdoor unit Single Phase			**U-71PZ2E5**	**U-100PZ2E5**	**U-125PZ2E5**	**U-140PZ2E5**
Outdoor unit Three Phase			**—**	**U-100PZ2E8**	**U-125PZ2E8**	**U-140PZ2E8**
Cooling capacity	Nominal (Min - Max)	kW	7,10	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
Heating capacity	Nominal (Min - Max)	kW	7,10	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
Power source	Single Phase	V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
	Three Phase	V	—	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Connection indoor / outdoor		mm²	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5
Air volume	Cool / Heat	m³/min	50 / 45	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	49 / 49	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	69 / 69	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range	Min ~ Max	m	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out)	Max	m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	35	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,45 / 0,979	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24





Wall	Indoor	Cooling capacity	Heating capacity	Dimension	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	dB(A)	m³/min
3,60kW	S-36PK2E5B	3,60	4,20	302 x 1120 x 236	35/31/27	11,00/9,50/7,50
4,50kW	S-45PK2E5B	4,50	5,20	302 x 1120 x 236	38/34/30	12,00/10,50/8,50
5,00kW	S-50PK2E5B	5,00	5,60	302 x 1120 x 236	40/36/32	14,00/12,00/10,50
6,00kW	S-60PK2E5B	6,00	7,00	302 x 1120 x 236	47/44/40	18,00/14,50/11,50
7,10kW	S-71PK2E5B	7,10	8,00	302 x 1120 x 236	47/44/40	18,00/14,50/11,50
10,00kW	S-100PK2E5B	10,00	11,20	302 x 1120 x 236	47/44/40	19,00/16,50/13,00

4 Way 60x60 Cassette	Indoor (Panels CZ-KPY3AW / CZ-KPY3BW)	Cooling capacity	Heating capacity	Dimension: Indoor / CZ-KPY3AW / CZ-KPY3BW	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Lo
		kW	kW	mm	dB(A)	m³/min
3,60kW	S-36PY2E5B	3,60	4,20	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	36/32/26	9,70/9,90
4,50kW	S-45PY2E5B	4,50	5,20	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	38/34/28	10,00/10,30
5,00kW	S-50PY2E5B	5,00	5,60	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	40/37/33	11,10/11,10

4 Way 90x90 Cassette	Indoor (Panels CZ-KPU3W / CZ-KPU3AW)	Cooling capacity	Heating capacity	Dimension Indoor	Dimension Panel	Sound pressure	Air volume
				H x W x D	H x W x D	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	mm	dB(A)	m³/min
3,60kW	S-36PU2E5B	3,60	4,20	256 x 840 x 840	33,5 x 950 x 950	30/28/27	14,50/13,00/11,50
4,50kW	S-45PU2E5B	4,50	5,20	256 x 840 x 840	33,5 x 950 x 950	31/28/27	15,50/13,00/11,50
5,00kW	S-50PU2E5B	5,00	5,60	256 x 840 x 840	33,5 x 950 x 950	32/29/27	16,50/13,50/11,50
6,00kW	S-60PU2E5B	6,00	7,00	256 x 840 x 840	33,5 x 950 x 950	38/31/28	21,00/16,00/13,00
7,10kW	S-71PU2E5B	7,10	8,00	256 x 840 x 840	33,5 x 950 x 950	37/31/28	22,00/16,00/13,00
10,00kW	S-100PU2E5B	10,00	11,20	319 x 840 x 840	33,5 x 950 x 950	45/38/32	36,00/26,00/18,00
12,50kW	S-125PU2E5B	12,50	14,00	319 x 840 x 840	33,5 x 950 x 950	46/39/33	37,00/27,00/19,00
14,00kW	S-140PU2E5B	14,00	14,00	319 x 840 x 840	33,5 x 950 x 950	47/40/34	38,00/29,00/20,00

Ceiling	Indoor	Cooling capacity	Heating capacity	Dimension	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	dB(A)	m³/min
3,60kW	S-36PT2E5B	3,60	4,20	235 x 960 x 690	35/32/30	14,00/12,00/10,50
4,50kW	S-45PT2E5B	4,50	5,20	235 x 960 x 690	38/33/30	15,00/12,50/10,50
5,00kW	S-50PT2E5B	5,00	5,60	235 x 960 x 690	38/33/30	15,00/12,50/10,50
6,00kW	S-60PT2E5B	6,00	7,00	235 x 1275 x 690	39/36/33	20,00/17,00/14,50
7,10kW	S-71PT2E5B	7,10	8,00	235 x 1275 x 690	39/36/33	21,00/18,00/15,50
10,00kW	S-100PT2E5B	10,00	11,20	235 x 1590 x 690	42/38/35	30,00/25,00/23,00
12,50kW	S-125PT2E5B	12,50	14,00	235 x 1590 x 690	45/40/37	34,00/28,00/24,00
14,00kW	S-140PT2E5B	14,00	14,00	235 x 1590 x 690	47/41/37	35,00/29,00/25,00

High Static Pressure Hide Away	Indoor	Cooling capacity	Heating capacity	Dimension	External static pressure	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	Pa	dB(A)	m³/min
3,60kW	S-36PF1E5B	3,60	4,20	290 x 800 x 700	150/70/10	33/29/25	14,00/13,00/10,00
4,50kW	S-45PF1E5B	4,50	5,20	290 x 800 x 700	150/70/10	34/30/26	14,00/13,00/10,00
5,00kW	S-50PF1E5B	5,00	5,60	290 x 800 x 700	150/70/10	34/30/26	16,00/15,00/12,00
6,00kW	S-60PF1E5B	6,00	7,00	290 x 1000 x 700	150/70/10	35/32/26	21,00/19,00/15,00
7,10kW	S-71PF1E5B	7,10	8,00	290 x 1000 x 700	150/70/10	35/32/26	21,00/19,00/15,00
10,00kW	S-100PF1E5B	10,00	11,20	290 x 1400 x 700	150/100/10	38/34/31	32,00/26,00/21,00
12,50kW	S-125PF1E5B	12,50	14,00	290 x 1400 x 700	150/100/10	39/35/32	34,00/29,00/23,00
14,00kW	S-140PF1E5B	14,00	14,00	290 x 1400 x 700	150/100/10	40/36/33	36,00/32,00/25,00

Low Static Pressure Hide Away	Indoor	Cooling capacity	Heating capacity	Dimension	External static pressure	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	Pa	dB(A)	m³/min
3,60kW	S-36PN1E5B	3,60	4,20	250 x 780 x 650	80/50/10	40/38/35	14,00/12,00/10,00
4,50kW	S-45PN1E5B	4,50	5,20	250 x 780 x 650	80/50/10	41/39/35	16,00/13,00/11,00
5,00kW	S-50PN1E5B	5,00	5,60	250 x 780 x 650	80/50/10	41/39/35	16,00/13,00/11,00
6,00kW	S-60PN1E5B	6,00	7,00	250 x 1000 x 650	80/50/10	43/41/36	22,00/20,00/16,00
7,10kW	S-71PN1E5B	7,10	8,00	250 x 1000 x 650	80/50/10	43/41/36	22,00/20,00/16,00
10,00kW	S-100PN1E5B	10,00	11,20	250 x 1200 x 650	80/50/10	44/42/37	36,00/33,00/26,00
12,50kW	S-125PN1E5B	12,50	14,00	250 x 1200 x 650	80/50/10	46/44/39	38,00/35,00/28,00
14,00kW	S-140PN1E5B	14,00	14,00	250 x 1200 x 650	80/50/10	46/44/39	40,00/37,00/30,00

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard from 7,10 to 14,00kW Single/Simultaneous operation system combinations • R32 GAS and • R410A GAS

	Outdoor			
Indoor	**7,10kW**	**10,00kW**	**12,50kW**	**14,00kW**
3,60kW	Twin [1] U-71 S-36 S-36			
5,00kW		Twin U-100 S-50 S-50		
6,00kW			Twin U-125 S-60 S-60	
7,10kW	Single [2] U-71 S-71			Twin U-140 S-71 S-71
10,00kW		Single [2] U-100 S-100		
12,50kW			Single [2] U-125 S-125	
14,00kW				Single [2] U-140 S-140

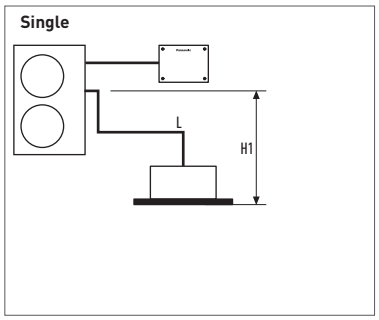
PACi Elite from 7,10 to 14,00kW Single/Simultaneous operation system combinations • R32 GAS and • R410A GAS

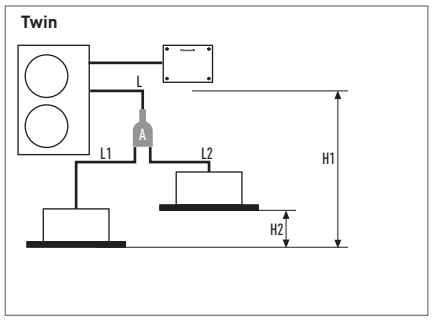
	Outdoor			
Indoor	**7,10kW**	**10,00kW**	**12,50kW**	**14,00kW**
3,60kW	Twin U-71 S-36 S-36	Triple U-100 S-36 S-36 S-36	Double-Twin U-125 S-36 S-36 S-36 S-36	
4,50kW			Triple U-125 S-45 S-45 S-45	
5,00kW		Twin U-100 S-50 S-50		Triple U-140 S-50 S-50 S-50
6,00kW			Twin U-125 S-60 S-60	
7,10kW	Single [2] U-71 S-71			Twin U-140 S-71 S-71
10,00kW		Single [2] U-100 S-100		
12,50kW			Single [2] U-125 S-125	
14,00kW				Single [2] U-140 S-140

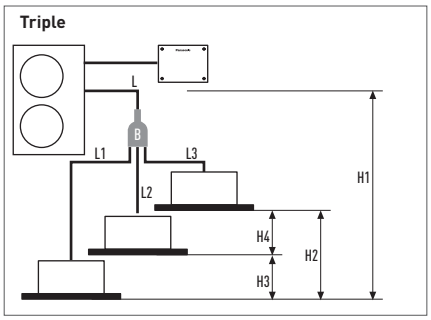
PACi Elite from 20,00 to 25,00kW Single/Simultaneous operation system combinations • R32 GAS and • R410A GAS

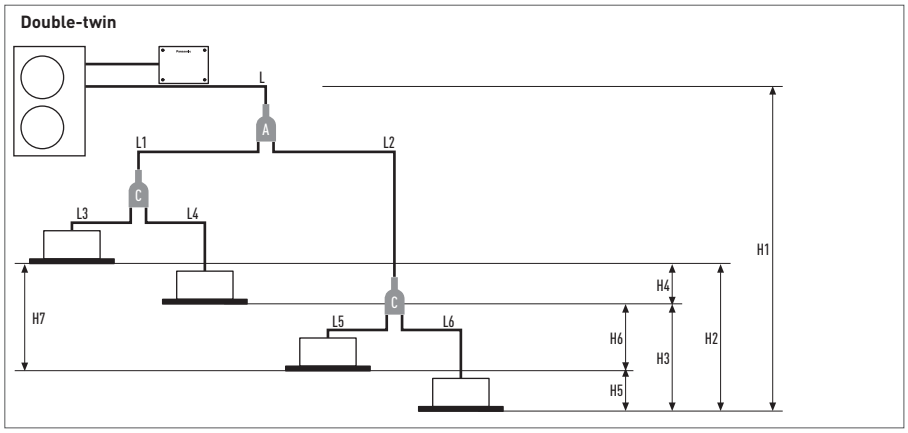
	Outdoor	
Indoor	**20,00kW**	**25,00kW**
5,00kW	Double-Twin U-200 S-50 S-50 S-50 S-50	
6,00kW		Double-Twin U-250 S-60 S-60 S-60 S-60
7,10kW	Triple U-200 S-71 S-71 S-71	
10,00kW	Twin U-200 S-100 S-100	
12,50kW		Twin U-250 S-125 S-125
20,00kW	Single [2] U-200 S-200	
25,00kW		Single [2] U-250 S-250

1) Available for only PZ (R32) model with limitations of main pipe and branch pipe. Please contact an authorized Panasonic dealer. 2) PACi 1x1 Kit solution.









PACi Standard Twin System from 7,10 to 14,00kW
Joint distribution (sold separately)
A= CZ-P224BK2BM

PACi Elite Twin, Triple and Double-Twin System from 7,10 to 14,00kW
Joint distribution (sold separately)
A= CZ-P224BK2BM
B= CZ-P3HPC2BM
C= CZ-P224BK2BM

PACi Elite Twin, Triple and Double-Twin System from 20,0 to 25,00kW
Joint distribution (sold separately)
A = CZ-P680BK2BM
B = CZ-P3HPC2BM
C = CZ-P224BK2BM

Twin System	PACi Standard Single and Twin System from 7,10 to 14,00kW			PACi Elite Twin, Triple and Double-Twin System from 7,10 to 25kW					
	Indoor unit combinations (see examples above)		Equivalent lengths and height differences (m) for outdoor unit sizes...	Indoor unit combinations (see examples above)				Equivalent lengths and height differences (m) for outdoor unit sizes from 7,10 to 14,00kW	Equivalent lengths and height differences (m) for outdoor unit sizes from 20,00 to 25,00kW
	Single	Twin		Single	Twin	Triple	Double-Twin		
Total pipe length	L	L + L1 + L2	≤ 50m	L	L + L1 + L2	L + L1 + L2 + L3	L + L1 + L2 + L3 + L4 + L5 + L6	U-60/U-71: ≤ 50m U-100/125/140: ≤ 75m	U-200: ≤ 100m U-250: ≤ 80m
Maximum pipe length from outdoor unit to most distant indoor unit	–	–	–	–	L + L1 or L + L2	L + L1 or L + L2 or L + L3	L + L1 + L3 or L + L1 + L4 or L + L2 + L5 or L + L2 + L6	–	U-200: 90m U-250: 60m
Maximum branch pipe length	–	L1 L2	≤ 15	–	L1 or L2	L1 or L2 or L3	L1 + L3 or L1 + L4 or L2 + L5 or L2 + L6	≤ 15m	≤ 20m
Maximum branch pipe length differences	–	L1 > L2 L1 - L2	≤ 10	–	L1 > L2: L1 - L2	L1 > L2 > L3: L1 - L2 L2 - L3 L1 - L3	L2 + L6 (Max.) L1 + L3 (Min.): (L2 + L6) - (L1 + L3)	≤ 10m	≤ 10m
Maximum pipe length differences after first branch (Double-Twin)	–	–	–	–	–	–	L2 > L1: L2 - L1	≤ 10m	≤ 10m
Maximum pipe length differences after second branch (Double-Twin)	–	–	–	–	–	–	L4 > L3: L4 - L3 L6 > L5: L6 - L5	≤ 10m	≤ 10m
Height difference (outdoor unit located higher)	H1	H1	≤ 30	H1	H1	H1	H1	≤ 30m	≤ 30m
Height difference (outdoor unit located lower)	H1	H1	≤ 15	H1	H1	H1	H1	≤ 15m	≤ 15m
Height difference between indoor units	–	H2	≤ 0,5	–	H2	H2 or H3 or H4	H2 or H3 or H4 or H5 or H6	≤ 0,5m	≤ 0,5m

Twin System	PACi Standard Single and Twin System from 7,10 to 14,00kW				PACi Elite Twin, Triple and Double-Twin System from 7,10 to 14,00kW						PACi Elite Twin, Triple and Double-Twin System from 20,00 to 25,00kW				
	Outdoor unit main pipe diameter (L)		Indoor unit connection tube (L1, L2)		Outdoor unit main pipe diameter (L)	Indoor unit connection pipe diameter (L1, L2, L3, L4) (mm)					Outdoor unit main pipe diameter (L) (mm)		Double-Twin distribution pipe (L1, L2) [1]	Indoor unit connection pipe diameter [2]	
Unit type capacity	100	125	50	60	71 - 140	36	45	50	60	71	200	250	100 - 125	50	60 - 125
Liquid pipe (mm)	Ø 9,52	Ø 12,70	Ø 6,35	Ø 9,52	Ø 9,52	Ø 6,35	Ø 6,35	Ø 6,35	Ø 9,52	Ø 9,52	Ø 9,52	Ø 12,70	Ø 9,52	Ø 6,35	Ø 9,52
Gas pipe (mm)	Ø 15,88	Ø 15,88	Ø 12,70	Ø 15,88	Ø 15,88	Ø 12,70	Ø 12,70	Ø 12,70	Ø 15,88	Ø 15,88	Ø 25,40	Ø 25,40	Ø 15,88	Ø 12,70	Ø 15,88
Additional gas amount (g/m)	50	50	20	50	50	20	20	20	50	50	60	80	45	20	45

1) Total capacity of indoor unit connected after the branch. 2) 4 Way Cassette type.

Make additional charges by adding up tube length in an order of main tube (L) → branch tube (L1 → L2 → L3 wide diameter) and then selecting the amount of refrigerant corresponding to the remaining (after charge-less tube length : 30m) liquid tube diameter and tube length from the above table.

NEW PRO-HT TANK SERIES FOR PACi AND ECOi

MAXIMUM
75°C
WATER OUTLET TEMPERATURE

Enjoy an efficient DHW / heating and cooling tank. Panasonic commercial PRO-HT Tank solutions meet all needs of your hot water applications providing maximum water temperature 75°C.

PRO-HT TANK

PRO-HT Tank DHW: PAW-VP1000/500/200LDHW. Big volume and high temperature tank for commercial application

1 High performance and high saving

- Maximum A7 COP 5,36 for 200L tank
- System label maximum A+++ (scale from A+++ to G)
- High temperature hot water without booster

2 Hot water production with simultaneous heating and cooling

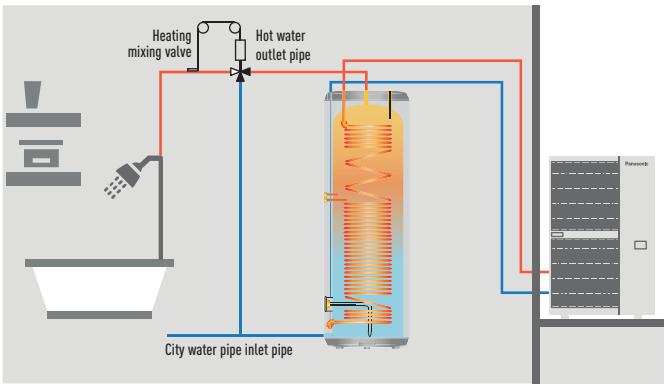
- Maximum water outlet temperature up to 75°C
- Big volume tank from 200L to 1000L capacity
- Heat exchanger design prevents limescale

3 Trusted quality

- Double tube heat exchanger following drinking-water regulation
- Tank and heat exchanger made with stainless steel
- Internal and external pickling

Solution example DHW tank 1000L + PACi

- Ideal for small hotels and high-end residential
- Hot water temperature up to 75°C
- Up to A7 COP 5,36



PRO-HT Tank heating and cooling: PAW-VP380L. Waterborne heating and cooling for floor heating, radiators or fan coils

1 High performance and high saving

- A7 COP 3,28, heating water temperature at 45°C
- Maximum 60°C water outlet temperature
- Energy efficiency class : A++ (scale from A++ to G)

2 Simple waterborne heating and cooling solution

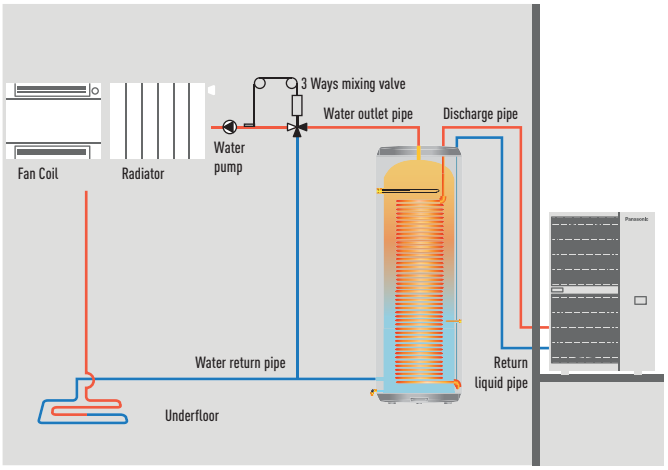
- High temperature water without any boosters
- Installation cost can be saved without additional boosters and buffer tanks

3 Trusted quality

- Double tube heat exchanger following drinking-water regulation
- Tank and heat exchanger made with stainless steel
- Internal and external pickling

Heating and cooling tank 380L + PACi 20,00kW

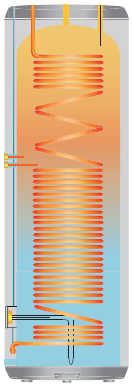
- Ideal offer for small offices
- Cost saving solution with simple waterborne heating and cooling
- Hot water up to 60°C



One by one system compatible list with PACi Elite

Model	Tank type	Product compatibility	Hot water outlet temperature
PAW-VP1000LDHW	DHW	U-250PZH2E8	75°C
PAW-VP500LDHW	DHW	U-100PZH2E5/8	75°C
PAW-VP200LDHW	DHW	U-100PZH2E5/8	75°C
PAW-VP380L	Heating and cooling	U-200PZH2E8	60°C

New PRO-HT Tank DHW



NEW 2019

High temperature hot water is efficiently produced without any boosters

Panasonic commercial PRO-HT Tank solutions can be adapted to adapt various projects from high-end residential to offices and hotels.

Technical focus

- Water volume 200L, 500L and 1000 L
- Maximum hot water production 75°C without boosters
- Tank and heat exchanger made with stainless steel
- Heating coil 23m (200L), 35m (500L) and 63m (1000L)
- Internal and external pickling
- Foam insulation 70mm (200 and 500L) and 100mm (1000L)
- Tank material 2mm (200L) and 3mm (500 and 1000L)
- ABS external

PRO-HT Tank			**PAW-VP200LDHW**	**PAW-VP500LDHW**	**PAW-VP1000LDHW**
Outdoor Unit			**U-100PZH2E5**	**U-100PZH2E5**	**U-250PZH2E8 ****
Volume		L	214	510	933
Height	H x W	mm	1568 x 590	1660 x 790	2210 x 990
Connections to the water supply network			3/4" - 1"	3/4" - 1"	1 1/4"
Net weight / with water		kg	73 / 286	122 / 632	235 / 1167
Nominal electrical power		W	2320	2320	6320
Reference tapping cycle			M	XL	2XL
Energy consumption by chosen cycle A7 / W10-55		kWh	1,09	4,50	6,30
Energy consumption by chosen cycle A15 / W10-55		kWh	0,91	3,60	5,40
COP DHW (A7 / W10-55) EN 16147 [1]			5,36	4,23	3,91
COP DHW (A15 / W10-55) EN 16147 [2]			6,42	5,29	4,54
Energy Efficiency Class (from A+ to G) [3]			**A+**	**A+**	**A+**
System label (from A+++ to G) [3]			**A+++**	**A++**	**A++**
Standby Input power according to EN16147		W	25,10	40,10	80,00
Sound Pressure on 1m		dB(A)	53	63	57
Quantity of refrigerant		g	2,6 + 0,2	2,6 + 0,6	6,4 + 1,0
Operating range - air temperature		°C	-20 ~ +35	-20 ~ +35	-20 ~ +35
Stainless steel 316L tank			Yes	Yes	Yes
Average insulation thickness		mm	70	70	100
Heat exchanger connection for inlet / outlet		Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	1/2 (12,70) / 3/4 (19,05)
Maximum power consumption without heater		W	3990	3990	9000
Maximum power consumption with heater		W	5990	6990	15000
Number of electrical heaters x power		W	1 x 2000	1 x 3000	1 x 6000
Voltage / Frequency		V / Hz	230 / 50	230 / 50	400 / 50
Electric protection		A	16	16	16
Moisture protection			IP 24	IP 24	IP 24
Heating with heat pump	Min / Max	°C	5 / 76	5 / 76	5 / 76
Heating with electrical heater	Min / Max	°C	55 / 75	55 / 75	55 / 75
Refrigerant (R32) / CO_2 Eq.		kg / T	2,8 / 1,890	3,2 / 2,160	7,4 / 4,995

Accessories	
PAW-VP-RTC5B-PAC	Tank controller for PACi system

1) Heating of sanitary water up to 55°C with inlet air temperature at 7°C, humidity at 89% and inlet water temperature at 10°C. According to EN16147. 2) Heating of sanitary water up to 55°C with inlet air temperature at 15°C, humidity at 74% and inlet water temperature at 10°C. According to EN16147. 3) Following LOT 2 (COMMISSION DELEGATED REGULATION (EU) No. 812/2013).

This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

* When connected as pressurised, safety valve is mandatory.
** Tentative data.
*** R410A models are also compatibles.

New PRO-HT Tank heating and cooling

High temperature hot water is efficiently produced without any boosters

Panasonic commercial PRO-HT Tank solutions can be combined with PACi to adapt various projects from high-end residentials to offices and hotels.

Technical focus

- Water volume 380L
- Maximum hot water production 65°C
- Tank and heat exchanger made with stainless steel
- Heating coil 52m 316L
- Internal and external pickling
- Foam insulation 70mm
- Tank material 2mm 316L
- ABS external

PRO-HT Tank			**PAW-VP380L**
Cooling capacity at 35°C, water outlet 7°C		kW	12,80
Heating capacity at +7°C, heating water temperature at 35°C		kW	25,00
Heating capacity at +7°C, heating water temperature at 45°C		kW	23,00
COP at +7°C with heating water temperature at 45°C		W/W	3,28
Heating Energy Efficiency class at 35°C [1) 2)]			**A++**
ηs (LOT1) [2)]		**%**	**156**
Dimension	H x W	mm	1820 x 690
Shipping weight		kg	99
Water pipe connector			1 1/4"
Heating water flow at 35°C		m^3/h	3,9
Input power		kW	TBC
Maximum current		A	TBC
Outdoor Unit			**U-200PZH2E8**
Sound pressure		dB(A)	62
Dimension	H x W x D	mm	1500 x 980 x 370
Net weight		kg	119
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)
	Gas pipe	Inch (mm)	3/4 (19,05)
Refrigerant (R32) / CO_2 Eq.		kg	5,60 *Need Additional gas amount at site +1,5kg
Pipe length range		m	50
Elevation difference (in/out)		m	30 (OD above) 30 (OD below)
Pipe length for nominal capacity		m	7,5
Pipe length for additional gas		m	85
Additional gas amount		g/m	Refer to manual
Operation range	Heat Min ~ Max	°C	-20 ~ +35

Accessories	
PAW-VP-RTC5B-PAC	Tank controller for PACi system

Accessories	
PAW-IU29/39	Additional heater

1) Scale from A++ to G and from A+++ to D from 26th September 2019. 2) Seasonal space heating energy efficiency following COMMISSION REGULATION (EU) 811/2013.
This product is designed to meet European water quality standard 98/93 EC. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.
Performance calculation in agreement with Eurovent. Sound pressure measured at 1m from the outdoor unit and at 1,5m height.
* Flow switch and water filter are not equipped.

NEW WHE FOR PACi

New PACi with Water Heat Exchanger for chilled and hot water production

NEW 2019

Industry first PACi Water Heat Exchanger

Panasonic introduces high-efficiency Water Heat Exchanger for packaged air conditioning systems.
This ground-breaking product gives further possibilities of PACi solutions by adding hydronic options.

Short-term investment

PACi Water Heat Exchanger is ideal for small offices and retails.
The investment costs can be amortised within a very short period.
This solution allows investors and operators to save money.

Professional solution

New Water Heat Exchanger is compatible with R32 PACi.
Many air conditioning manufacturers selling R32 systems and it is becoming the standard refrigerant for split type air conditioning systems because R32 has a much lower global warming potential than R410A and can also provide higher efficiency.

Tentative data

Water Heat Exchanger			**PAW-200W5APAC**	**PAW-250W5APAC**
Cooling capacity at 35°C, water outlet 7°C Rated		kW	20,00	25,00
Heating capacity at +7°C, heating water temperature at 45°C		kW	20,00	25,00
COP at +7°C with heating water temperature at 45°C		W/W	3,50	3,40
Heating water flow (ΔT=5 K. 35°C)		m^3/h	4,0	4,3
Flow switch			Optional	Optional
Water filter			Optional	Optional
Dimension	H x W x D	mm	623 x 450 x 350	623 x 450 x 350
Outdoor Unit			**U-200PZH2E8**	**U-250PZH2E8**
Sound pressure	Cool / Heat (Hi)	dB(A)	60 / 62	61 / 63
Dimension	H x W x D	mm	1500 x 980 x 370	1500 x 980 x 370
Net weight		kg	119	130
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	1/2 (12,70)
	Gas pipe	Inch (mm)	1 (25,40)	1 (25,40)
Pipe length range		m	5 ~ 90	5 ~ 60
Elevation difference (in/out)		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	60	80
Refrigerant (R32) / CO_2 Eq.		kg / T	—	—
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24

5 YEARS COMPRESSOR WARRANTY

RANGE OF COMMERCIAL UNITS R410A

Page	Indoor units	2,50kW	3,50 ~ 3,60kW	4,50kW	5,00kW	6,00kW
P. 228	Wall Mounted Professional Inverter -20°C • **R410A Gas**	 CS-E9PKEA	 CS-E12PKEA	 CS-E15PKEA	 CS-E18PKEA	
P. 230	Wall Inverter+ • **R410A Gas**		S-36PK2E5B	S-45PK2E5B	S-50PK2E5B	S-60PK2E5B
P. 128	4-Way 60x60 Cassette Standard Inverter • **R410A Gas**	 CS-E9PB4EA	 CS-E12PB4EA		 CS-E18RB4EAW	 CS-E21RB4EAW
P. 234	4 Way 60x60 Cassette Inverter+ • **R410A Gas**		 S-36PY2E5B	 S-45PY2E5B [1]	 S-50PY2E5B	
P. 236	4 Way 90x90 Cassette Inverter+ • **R410A Gas**		 S-36PU2E5B	 S-45PU2E5B	 S-50PU2E5B	 S-60PU2E5B
P. 240	Ceiling Inverter+ • **R410A Gas**		 S-36PT2E5B	 S-45PT2E5B	 S-50PT2E5B	 S-60PT2E5B
P. 129	Low Static Pressure Hide Away Standard Inverter • **R410A Gas**	 CS-E9PD3EA	 CS-E12-QD3EAW		 CS-E18RD3EAW	
P. 244	High Static Pressure Hide Away Inverter+ • **R410A Gas**		 S-36PF1E5B	 S-45PF1E5B	 S-50PF1E5B	 S-60PF1E5B
P. 248	Low Static Pressure Hide Away Inverter+ • **R410A Gas**		 S-36PN1E5B	 S-45PN1E5B	 S-50PN1E5B	 S-60PN1E5B
P. 252	**NEW** High Static Pressure Hide Away 20-25kW Inverter+ • **R410A Gas**					

Outdoor units	3,60kW	5,00kW	6,00kW
PACi Elite • **R410A Gas**	 U-36PE2E5A	 U-50PE2E5A	 U-60PE2E5A
PACi Standard • **R410A Gas**			 U-60PEY2E5

1) The 4,50kW indoor unit are only available only for Twin, Triple and Double-Twin combinations. 2) These models will be available in May 2019. * U-__E5 Single Phase / U-__E8 Three Phase.

7,10kW	10,00kW	12,50kW	14,00kW	20,00kW	25,00kW
S-71PK2E5B	S-100PK2E5B (9,00kW)				
 S-71PU2E5B	 S-100PU2E5B	 S-125PU2E5B	 S-140PU2E5B		
 S-71PT2E5B	 S-100PT2E5B	 S-125PT2E5B	 S-140PT2E5B		
 S-71PF1E5B	 S-100PF1E5B	 S-125PF1E5B	 S-140PF1E5B		
 S-71PN1E5B	 S-100PN1E5B	 S-125PN1E5B	 S-140PN1E5B		
				 S-200PE3E5B [2]	 S-250PE3E5B [2]

7,10kW	10,00kW	12,50kW	14,00kW	20,00kW	25,00kW
 U-71PE1E5A / U-71PE1E8A	 U-100PE1E5A / U-100PE1E8A	 U-125PE1E5A / U-125PE1E8A	 U-140PE1E5A / U-140PE1E8A	 U-200PE2E8A	 U-250PE2E8A
 U-71PEY2E5	 U-100PEY1E5 / U-100PEY1E8	 U-125PEY1E5 / U-125PEY1E8	 U-140PEY1E8		

HIGH EFFICIENCY EVEN AT -20°C

This Wall Mounted air conditioner is especially designed for professional applications such as computer rooms where cooling inside the room is necessary even when the outside temperature is low.

High durability for 24/7 operation

Indoor Fan. Cross-Flow-Fan.

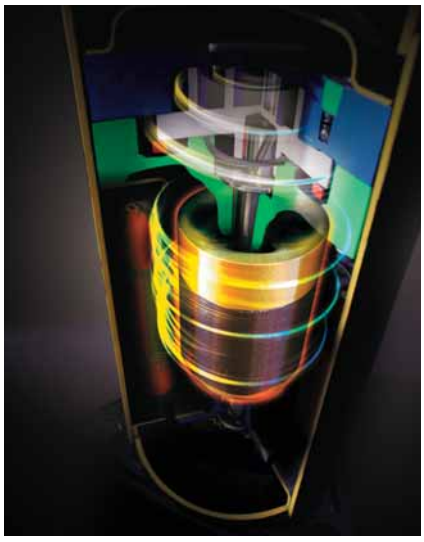
- High durability rolling bearings, large size (φ105mm) fan
- High efficiency blade
- Random pitch blade (low sound)

Compressor.

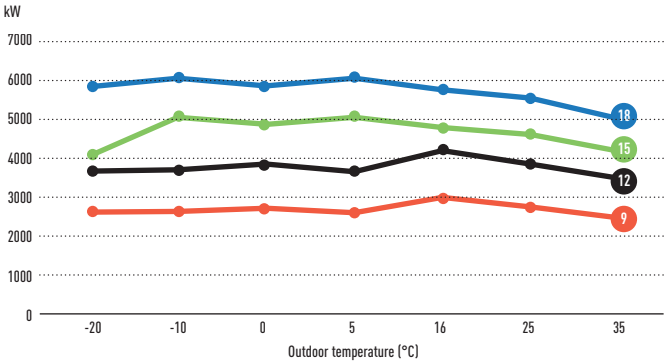
DC2P Panasonic original compressor, with high efficiency and reliability.

Why is the Panasonic R2 Rotary Compressor so efficient?

- High efficiency motor: the premium silicon steel motor meets industry efficiency requirements
- Improved lubrication of high volume oil pump: the extended, high volume oil pump in conjunction with a larger capacity oil reservoir provides superior lubrication
- Accumulator has larger refrigerant capacity: the larger accumulator accommodates generous refrigerant amounts needed in longer line length installations

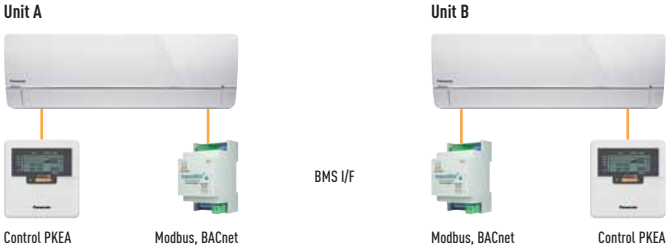


PKEA provides high capacity at -20°C!



Server room logic BMS interface

For full BMS integration with biderectional communication, Panasonic offer different interfaces for integrate to Modbus and Bacnet. This devices are also compatible with Standard DIN Rail.



Wall Mounted Professional Inverter -20°C
• R410A GAS

This air conditioner has an automatic changeover system, in order to maintain the inside temperature even when sharp outside temperature changes occur.

Technical focus

- These units can be installed on R22 pipings
- Designed for 24h/7d a week operation
- Highly efficient even at -20°C
- High durability rolling bearings
- Additional piping sensors to prevent freezing

Outdoor Features

- Cooling even when ambient temperature is as low as -20°C
- Electronic expansion valve (accurate sub-cooling and adjustable refrigerant flow)
- Outdoor DC fan motor to provide flexible air-flow to ensure optimum condensation pressure (works on outdoor pipe temperature sensor)

KIT			KIT-E9-PKEA	KIT-E12-PKEA	KIT-E15-PKEA	KIT-E18-PKEA
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 4,00)	4,20 (0,98 - 5,00)	5,00 (0,98 - 6,00)
EER [1]	Nominal (Min - Max)	W/W	4,85 (4,23 - 5,00)	4,02 (3,57 - 5,00)	3,50 (3,50 - 3,16)	3,47 (3,50 - 3,02)
Cooling capacity at -10°C		kW	2,63	3,69	5,04	6,00
EER at -10°C		W/W	7,19	5,96	6,01	6,00
Cooling capacity at -20°C		kW	2,61	3,66	4,06	5,82
EER at -20°C		W/W	6,71	5,56	4,39	5,39
SEER [2]			**7,10 A++**	**6,70 A++**	**6,30 A++**	**6,90 A++**
Pdesign		kW	2,50	3,50	4,20	5,00
Input power cooling	Nominal (Min - Max)	kW	0,52 (0,17 - 0,71)	0,87 (0,17 - 1,12)	1,20 (0,28 - 1,58)	1,44 (0,28 - 1,99)
Annual energy consumption [3]		kWh/a	123	183	233	254
Heating capacity	Nominal (Min - Max)	kW	3,40 (0,85 - 5,40)	4,00 (0,85 - 6,60)	5,40 (0,98 - 7,10)	5,80 (0,98 - 8,00)
Heating capacity at -7°C [4]		kW	3,33	4,07	4,10	4,98
COP [1]	Nominal (Min - Max)	W/W	4,86 (4,12 - 5,15)	4,35 (3,63 - 5,15)	3,75 (2,88 - 3,24)	3,82 (2,88 - 3,11)
SCOP [5]			**4,40 A+**	**4,10 A+**	**3,90 A**	**4,20 A+**
Pdesign at -10°C		kW	2,80	3,60	3,60	4,40
Input power heating	Nominal (Min - Max)	kW	0,70 (0,17 - 1,31)	0,92 (0,17 - 1,82)	1,44 (0,34 - 2,19)	1,52 (0,34 - 2,57)
Annual energy consumption [3]		kWh/a	891	1229	1292	1467
Indoor unit			**CS-E9PKEA**	**CS-E12PKEA**	**CS-E15PKEA**	**CS-E18PKEA**
Power source		V	230	230	230	230
Recommended fuse		A	16	16	16	16
Connection indoor / outdoor		mm²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 2,5
Air Volume	Cool / Heat	m³/min	13,30 / 14,60	13,60 / 14,70	14,10 / 15,00	17,90 / 19,30
Moisture removal volume		L/h	1,5	2,0	2,4	2,8
Sound pressure [6]	Cool — Heat (Hi / Lo / Q-Lo)	dB(A)	39 / 26 / 23 — 40 / 27 / 24	42 / 29 / 26 — 42 / 33 / 29	43 / 32 / 29 — 43 / 35 / 29	44 / 37 / 34 — 44 / 37 / 34
Dimension / Net weight	H x W x D	mm / kg	295 x 870 x 255 / 10	295 x 870 x 255 / 10	295 x 870 x 255 / 10	295 x 1070 x 255 / 13
Outdoor unit			**CU-E9PKEA**	**CU-E12PKEA**	**CU-E15PKEA**	**CU-E18PKEA**
Sound pressure [6]	Cool / Heat (Hi)	dB(A)	46 / 47	48 / 50	46 / 46	47 / 47
Dimension [7] / Net weight	H x W x D	mm / kg	622 x 824 x 299 / 36	622 x 824 x 299 / 36	695 x 875 x 320 / 45	695 x 875 x 320 / 46
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)
Pipe length range		m	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 20
Elevation difference (in/out) [8]		m	5	5	15	15
Pipe length for additional gas		m	7,5	7,5	7,5	7,5
Additional gas amount		g/m	20	20	20	20
Refrigerant (R410A) / CO_2 Eq.		kg / T	—	—	—	—
Operating range	Cool / Heat Min ~ Max	°C	-20 ~ +43 / -15 ~ +24	-20 ~ +43 / -15 ~ +24	-20 ~ +43 / -15 ~ +24	-20 ~ +43 / -15 ~ +24

Accessories	
CZ-TACG1	Panasonic Comfort Cloud for internet control
CZ-CAPRA1	RAC interface adapter for integration into P-Link
PAW-SERVER-PKEA	PCB for installation in server rooms with security
Accessories	

PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform

Rating Conditions for cooling capacity at low temperature: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 0°C DB / -10°C WB.
1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. SEER is calculated in base Eurovent IPLV for SBEM for U1 indoor unit SEER=a(EER25)+b(EER50)+c(EER75)+d(EER100) where EER25, EER50, EER75 and EER100 are the EER measured value at 25%, 50%, 75% and 100% part load for temperatures 20, 25, 30 and 35°C DB, respectively. a, b, c and d are values assigned for an office type. These values are given as a=0,2, b=0,36, c=0,32 and d=0,03. The internal temperatures are taken at 27°C DB and 19°C WB. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Heating capacity is calculated including defrost factor correction. 5) Energy Label Scale from A+++ to D. SCOP is calculated in base Eurovent IPLV for SBEM with U1 indoor unit including defrost correction factor. 6) The sound pressure of the indoor unit shows the value measured of a position 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 7) Add 70mm for piping port. 8) When installing the outdoor unit at a higher position than the indoor unit. // Recommended fuse for the indoor 3A.

SEER and SCOP: For KIT-E9-PKEA. SUPER QUIET: For KIT-E9-PKEA. INTERNET CONTROL: Optional.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite Wall Mounted Inverter+
• R410A GAS

The wall mounted units with stylish matt color can be offered for many applications such as studios, gyms, high ceiling areas and even computer server rooms.

The compact design and flat face ensure discreet installation, even in a small space.

High heating capacity at -7°C.

CZ-RWS3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase				
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW
KIT			**KIT-36PK2E5D**	**KIT-50PK2E5D**	**KIT-60PK2E5D**	**KIT-71PK2E5D**	**KIT-100PK2E5D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)	6,10 (2,00 - 7,10)	7,10 (2,50 - 8,00)	9,50 (3,30 - 10,50)
EER [1]	Nominal (Min - Max)	W/W	4,56 (6,25 - 4,30)	3,57 (6,25 - 3,26)	3,53 (6,67 - 3,02)	3,40 (5,56 - 3,02)	3,25 (3,93 - 3,09)
SEER [2]			**6,40 A++**	**6,20 A++**	**6,40 A++**	**6,70 A++**	**6,30 A++**
Pdesign		kW	3,60	5,00	6,10	7,10	9,50
Input power cooling	Nominal (Min - Max)	kW	0,79 (0,24 - 0,93)	1,40 (0,24 - 1,72)	1,68 (0,30 - 2,35)	2,09 (0,45 - 2,65)	2,92 (0,84 - 3,40)
Annual energy consumption [3]		kWh/a	197	282	319	371	528
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)	7,00 (1,80 - 8,00)	8,00 (2,00 - 9,00)	9,50 (4,10 - 11,50)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —	— / —	— / —	— / —
COP [1]	Nominal (Min - Max)	W/W	4,71 (7,89 - 4,20)	3,94 (7,89 - 3,39)	4,22 (9,00 - 3,90)	4,00 (5,00 - 3,10)	3,97 (4,56 - 3,43)
SCOP [2]			**4,30 A+**	**4,10 A+**	**4,20 A+**	**4,10 A+**	**3,80 A**
Pdesign at -10°C		kW	3,60	5,00	6,00	7,10	9,50
Input power heating	Nominal (Min - Max)	kW	0,85 (0,19 - 1,19)	1,42 (0,19 - 1,92)	1,66 (0,20 - 2,05)	2,00 (0,40 - 2,90)	2,92 (0,84 - 3,40)
Annual energy consumption [3]		kWh/a	1172	1707	2000	2424	3325
Indoor unit			**S-36PK2E5B**	**S-50PK2E5B**	**S-60PK2E5B**	**S-71PK2E5B**	**S-100PK2E5B**
Air volume	Hi / Med / Lo	m^3/min	13,00 / 11,00 / 9,00	16,00 / 17,50 / 11,00	20,00 / 17,50 / 14,50	20,00 / 17,50 / 14,50	22,00 / 18,50 / 15,00
Sound pressure [5]	Hi / Med / Lo	dB(A)	35 / 31 / 27	40 / 36 / 32	47 / 44 / 40	47 / 44 / 40	49 / 45 / 41
Dimension	H x W x D	mm	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	13	13	14	14	14
Outdoor unit			**U-36PE2E5A**	**U-50PE2E5A**	**U-60PE2E5A**	**U-71PE1E5A**	**U-100PE1E5A**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Recommended fuse		A	—	—	—	—	—
Connection indoor / outdoor		mm^2	—	—	—	—	—
Current	Cool	A	3,85 / 3,70 / 3,55	6,60 / 6,30 / 6,05	8,45 / 8,05 / 9,75	9,70 / 9,40 / 9,10	13,40 / 12,90 / 12,40
	Heat	A	4,15 / 3,95 / 3,80	6,75 / 6,45 / 6,20	8,10 / 7,75 / 7,40	9,20 / 8,40 / 8,60	10,90 / 10,50 / 10,20
Air volume	Cool / Heat	m^3/min	38 / 38	38 / 41	38 / 41	60 / 60	110 / 95
Sound pressure	Cool / Heat (Hi)	dB(A)	45 / 46	46 / 48	46 / 49	48 / 50	52 / 52
Dimension	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	1416 x 940 x 340
Net weight		kg	39	39	40	69	98
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 - 50	5 - 75
Elevation difference (in/out) [6]		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	20	20	40	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	1,40 / 2,9232	1,40 / 2,9232	1,95 / 4,0716	2,35 / 4,9068	3,40 / 7,0992
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-PACR3	Interfaces to run 3 units on Backup and alternative run
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-WPH7	Wind protection shield for U-100/125/140PE1E5A/8A and U-140PEY1E8
PAW-WPH9	Wind protection shield for U-71PE1E5A/8A and U-100/125PEY1E5/8
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

- Modern design with flat face and compact size
- Stylish matt white color
- DC FAN for better efficiency and control
- Six directional piping outlet
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

Smooth and durable design

Stylish matt color matches with modern interiors. The sleek, compact design ensures a discreet installation - even where space is limited.

Piping outlet in six directions

Piping outlet is possible in the six directions of right, right rear, right bottom, left, left rear and left bottom, making the installation work easier.

Closed discharge port

When the unit is turned OFF, the flap closes completely to prevent dust getting into the unit and to keep the equipment clean.

Air distribution is altered depending on the operational mode

Quiet operation

These units are among the quietest in the industry, making them ideal for hotels and hospitals.

			Three Phase	
			7,10kW	**10,00kW**
KIT			**KIT-71PK2E8D**	**KIT-100PK2E8D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (3,20 - 8,00)	9,50 (3,30 - 10,50)
EER [1]	Nominal (Min - Max)	W/W	3,40 (5,71 - 3,02)	3,25 (3,93 - 3,09)
SEER [2]			**6,50 A++**	**6,10 A+**
Pdesign		kW	7,10	9,50
Input power cooling	Nominal (Min - Max)	kW	2,09 (0,56 - 2,65)	2,92 (0,84 - 3,40)
Annual energy consumption [3]		kWh/a	382	545
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,80 - 9,00)	9,50 (4,10 - 11,50)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —
COP [1]	Nominal (Min - Max)	W/W	4,00 (5,60 - 3,10)	3,97 (4,56 - 3,43)
SCOP [2]			**4,10 A+**	**4,00 A+**
Pdesign at -10°C		kW	7,10	9,50
Input power heating	Nominal (Min - Max)	kW	2,00 (0,50 - 2,90)	2,39 (0,90 - 3,35)
Annual energy consumption [3]		kWh/a	2424	3325
Indoor unit			**S-71PK2E5B**	**S-100PK2E5B**
Air volume	Hi / Med / Lo	m^3/min	20,00 / 17,50 / 14,50	22,00 / 18,50 / 15,00
Sound pressure [5]	Hi / Med / Lo	dB(A)	47 / 44 / 40	49 / 45 / 41
Dimension	H x W x D	mm	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	14	14
Outdoor unit			**U-71PE1E8A**	**U-100PE1E8A**
Power source		V	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	16	16
Connection indoor / outdoor		mm^2	2,50	2,50
Current	Cool	A	3,25 / 3,10 / 3,00	4,60 / 4,35 / 4,30
	Heat	A	3,05 / 3,00 / 2,85	3,70 / 3,55 / 3,45
Air volume	Cool / Heat	m^3/min	60 / 60	110 / 95
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340
Net weight		kg	71	98
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 - 50	5 - 75
Elevation difference (in/out) [6]		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,35 / 4,9068	3,40 / 7,0992
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Heating capacity is calculated including defrost factor correction. 5) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

A++ 6,70 SEER | A+ 4,30 SCOP | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | DC FAN | R22 → R410A R22 RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER: For KIT-71PK2E5D. SCOP: For KIT-36PK2E5D. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard Wall Mounted Inverter+
• R410A GAS

The wall mounted units with stylish matt color can be offered for many applications such as studios, gyms, high ceiling areas and even computer server rooms.

The compact design and flat face ensure discreet installation, even in a small space.

CZ-RWS3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase		
			6,10kW	**7,10kW**	**10,00kW**
KIT			**KIT-60PKY2E5D**	**KIT-71PKY2E5D**	**KIT-100PKY2E5D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,10 (2,00 - 7,10)	7,10 (2,00 - 7,70)	9,00 (2,70 - 9,70)
EER [1]	Nominal (Min - Max)	W/W	3,47 (6,67 - 3,02)	2,90 (6,67 - 2,61)	2,67 (5,09 - 2,55)
SEER [2]			**5,70 A+**	**5,40 A**	**5,90 A+**
Pdesign		kW	6,10	7,10	9,00
Input power cooling	Nominal (Min - Max)	kW	1,76 (0,30 - 2,35)	2,45 (0,30 - 2,95)	3,37 (0,53 - 3,80)
Annual energy consumption [3]		kWh/a	375	460	534
Heating capacity	Nominal (Min - Max)	kW	6,10 (1,80 - 7,00)	7,10 (1,80 - 8,10)	9,00 (2,10 - 10,50)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —	9,97 / 8,43
COP [1]	Nominal (Min - Max)	W/W	4,30 (9,00 - 4,12)	4,20 (9,00 - 3,60)	3,78 (5,12 - 3,50)
SCOP [2]			**4,00 A+**	**4,00 A+**	**3,90 A**
Pdesign at -10°C		kW	6,00	6,00	9,00
Input power heating	Nominal (Min - Max)	kW	1,42 (0,20 - 1,70)	1,69 (0,20 - 2,25)	2,38 (0,41 - 3,00)
Annual energy consumption [3]		kWh/a	2100	2100	3231
Indoor unit			**S-60PK2E5B**	**S-71PK2E5B**	**S-100PK2E5B**
Air volume	Hi / Med / Lo	m³/min	20,00 / 17,50 / 14,50	20,00 / 17,50 / 14,50	22,00 / 18,50 / 15,00
Sound pressure [5]	Hi / Med / Lo	dB(A)	47 / 44 / 40	47 / 44 / 40	49 / 45 / 41
Dimension	H x W x D	mm	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	14	14	14
Outdoor unit			**U-60PEY2E5**	**U-71PEY2E5**	**U-100PEY1E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Recommended fuse		A	—	—	25
Connection indoor / outdoor		mm²	—	—	4,0
Current	Cool	A	8,60 / 8,20 / 7,85	12,00 / 11,40 / 11,00	16,00 / 15,30 / 14,60
	Heat	A	6,85 / 6,55 / 6,30	8,25 / 7,85 / 7,55	10,90 / 10,60 / 10,10
Air volume	Cool / Heat	m³/min	38 / 41	44 / 41	76 / 67
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	54 / 54
Dimension	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340
Net weight		kg	40	40	73
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 - 50
Elevation difference (in/out) [6]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	40	40	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	1,95 / 4,0716	1,95 / 4,0716	2,60 / 5,4288
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 / +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 / +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-PACR3	Interfaces to run 3 units on Backup and alternative run
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-WPH7	Wind protection shield for U-100/125/140PE1E5A/8A and U-140PEY1E8
PAW-WPH9	Wind protection shield for U-71PE1E5A/8A and U-100/125PEY1E5/8
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

- Modern design with flat face and compact size
- Stylish matt white color
- DC FAN for better efficiency and control
- Six directional piping outlet
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

Closed discharge port

When the unit is turned OFF, the flap closes completely to prevent dust getting into the unit and to keep the equipment clean.

Quiet operation

These units are among the quietest in the industry, making them ideal for hotels and hospitals.

Smooth and durable design

Stylish matt color matches with modern interiors. The sleek, compact design ensures a discreet installation - even where space is limited.

Piping outlet in six directions

Piping outlet is possible in the six directions of right, right rear, right bottom, left, left rear and left bottom, making the installation work easier.

Air distribution is altered depending on the operational mode

			Three Phase
			10,00kW
KIT			**KIT-100PKY2E8D**
Remote controller			**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	9,00 (2,70 - 9,70)
EER [1]	Nominal (Min - Max)	W/W	2,67 (5,09 - 2,55)
SEER [2]			**5,80 A+**
Pdesign		kW	9,00
Input power cooling	Nominal (Min - Max)	kW	3,37 (0,53 - 3,80)
Annual energy consumption [3]		kWh/a	543
Heating capacity	Nominal (Min - Max)	kW	9,00 (2,10 - 10,50)
Heating capacity at -7°C / -15°C [4]		kW	9,97 / 8,43
COP [1]	Nominal (Min - Max)	W/W	3,78 (5,12 - 3,50)
SCOP [2]			**3,90 A**
Pdesign at -10°C		kW	9,00
Input power heating	Nominal (Min - Max)	kW	2,38 (0,41 - 3,00)
Annual energy consumption [3]		kWh/a	3231
Indoor unit			**S-100PK2E5B**
Air volume	Hi / Med / Lo	m^3/min	22,00 / 18,50 / 15,00
Sound pressure [5]	Hi / Med / Lo	dB(A)	49 / 45 / 41
Dimension	H x W x D	mm	302 x 1120 x 236
Net weight		kg	14
Outdoor unit			**U-100PEY1E8**
Power source		V	380 / 400 / 415
Recommended fuse		A	16
Connection indoor / outdoor		mm^2	2,5
Current	Cool	A	5,40 / 5,10 / 4,95
	Heat	A	3,75 / 3,55 / 3,45
Air volume	Cool / Heat	m^3/min	76 / 67
Sound pressure	Cool / Heat (Hi)	dB(A)	54 / 54
Dimension	H x W x D	mm	996 x 940 x 340
Net weight		kg	73
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)
Pipe length range		m	5 - 50
Elevation difference (in/out) [6]		m	30
Pipe length for additional gas		m	30
Additional gas amount		g/m	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,60 / 5,4288
Operating range	Cool Min ~ Max	°C	-10 / +43
	Heat Min ~ Max	°C	-15 / +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Heating capacity is calculated including defrost factor correction. 5) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

A+ 5,90 SEER | A+ 4,00 SCOP | INVERTER+ | -10°C COOLING MODE | -15°C HEATING MODE | DC FAN | R22 → R410A R22 RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER: For KIT-100PKY2E5D. SCOP: For KIT-60PKY2E5D and KIT-71PKY2E5D. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite and Standard 4 Way 60x60 Cassette Inverter+ • R410A GAS

Small and powerful, ideal for offices and restaurants

Standard units only for Twin, Triple and Double-twin combinations.

High heating capacity at -7°C.

CZ-KPY3AW
Panel 700 x 700mm.

CZ-KPY3BW
Panel 625 x 625mm.

CZ-RWS3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

			Single Phase	
			3,60kW	**5,00kW**
KIT			**KIT-36PY2E5C**	**KIT-50PY2E5C**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)
EER [1]	Nominal (Min - Max)	W/W	4,50 (6,25 - 421)	3,47 (6,25 - 3,16)
SEER [2]			**6,30 A++**	**6,10 A++**
Pdesign		kW	3,60	5,00
Input power cooling	Nominal (Min - Max)	kW	0,80 (0,24 - 0,95)	1,44 (0,24 - 1,77)
Annual energy consumption [3]		kWh/a	200	287
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)
COP [1]	Nominal (Min - Max)	W/W	4,08 (7,89 - 3,68)	3,31 (7,89 - 3,00)
SCOP [2]			**4,10 A+**	**3,90 A**
Pdesign at -10°C		kW	3,60	5,00
Input power heating	Nominal (Min - Max)	kW	0,98 (0,19 - 1,36)	1,69 (0,19 - 2,17)
Annual energy consumption [3]		kWh/a	1229	1795
Indoor unit			**S-36PY2E5B**	**S-50PY2E5B**
Air volume	Cool (Hi / Med / Lo)	m³/min	9,70 / 8,00 / 6,00	11,10 / 9,80 / 8,50
	Heat (Hi / Med / Lo)	m³/min	9,90 / 8,20 / 6,00	11,10 / 9,80 / 8,70
Moisture removal volume		L/h	2,1	2,8
Sound pressure [4]	Hi / Med / Lo	dB(A)	36 / 32 / 26	40 / 37 / 33
Sound power	Hi / Med / Lo	dB	51 / 47 / 41	55 / 52 / 48
Dimension (H x W x D) / Net weight	Indoor	mm / kg	288 x 583 x 583 / 18	288 x 583 x 583 / 18
	CZ-KPY3AW Panel	mm / kg	31 x 700 x 700 / 2,4	31 x 700 x 700 / 2,4
	CZ-KPY3BW Panel	mm / kg	31 x 625 x 625 / 2,4	31 x 625 x 625 / 2,4
Outdoor unit			**U-36PE2E5A**	**U-50PE2E5A**
Power source		V	220 / 230 / 240	220 / 230 / 240
Current	Cool	A	3,80 / 3,60 / 3,50	6,70 / 6,50 / 6,20
	Heat	A	4,70 / 4,50 / 4,35	8,05 / 7,70 / 7,40
Air volume	Cool / Heat	m³/min	38 / 38	38 / 41
Sound pressure	Cool / Heat (Hi)	dB(A)	45 / 46	46 / 48
Sound power	Cool / Heat (Hi)	dB	64 / 66	65 / 68
Dimension / Net weight	H x W x D	mm / kg	619 x 799 x 299 / 39	619 x 799 x 299 / 39
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)
Pipe length range		m	3 ~ 40	3 ~ 40
Elevation difference (in/out) [6]		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	20	20
Refrigerant (R410A) / CO_2 Eq.		kg / T	1,40 / 2,9232	1,40 / 2,9232
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24

INVERTER+ | A++ 6,30 SEER | A+ 4,10 SCOP | -15°C COOLING MODE | -20°C HEATING MODE | DC FAN | R22 → R410A R22 RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-36PY2E5C. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Technical focus

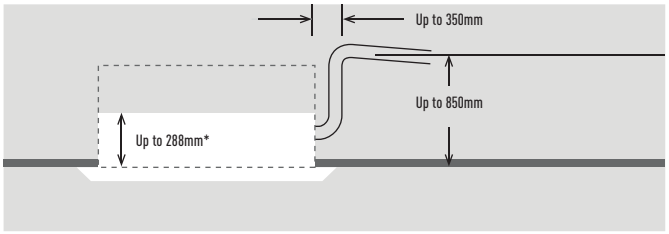
- Fresh air distribution
- Multidirectional air flow
- Integrated drain pump gives 850mm lift
- 3 speed centrifugal fan
- DC FAN for better efficiency and control
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

Lighter and slimmer, easier installation

Lightweight and very slim which makes installation possible even in narrow ceilings.
Designed to fit exactly into a 600x600mm ceiling grid without the need to alter the bar configuration.

A drain height of approximately 850mm from the ceiling surface

The drain height can be increased by approx. 350mm over the conventional value by using a high-lift drain pump, and long horizontal piping is possible.
Lightweight at 18kg, the unit is also very slim with a height of only 288mm, making installation possible even in narrow ceilings.



Significant reduction of power consumption by using highly developed DC fan motors with variable speed, special heat exchangers, etc.

			3,60kW	4,50kW	5,00kW
Indoor unit			**S-36PY2E5B**	**S-45PY2E5B**[1)]	**S-50PY2E5B**
Cooling capacity		kW	3,60	4,50	5,00
Heating capacity		kW	4,20	5,20	5,60
Current	Cool	A	0,30	0,32	0,35
	Heat	A	0,30	0,30	0,35
Input power	Cool	kW	0,40	0,40	0,45
	Heat	kW	0,35	0,35	0,40
Air volume	Cool / Heat	m^3/min	10,00/10,00	10,00/10,00	11,00/11,00
Moisture removal volume		L/h	2,1	2,5	2,8
Sound pressure	Cool (Hi / Med / Lo)	dB(A)	36/32/26	38/34/28	40/37/33
	Heat (Hi / Med / Lo)	dB(A)	36/32/26	38/34/28	40/37/33
Sound power	Cool (Hi)	dB	51/47/41	53/49/43	55/52/48
	Heat (Hi)	dB	51/47/41	53/49/43	55/52/48
Dimension (H x W x D)	Indoor	mm	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583
	Panel CZ-KPY3AW	mm	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700
	Panel CZ-KPY3BW	mm	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625
Net weight	Indoor	kg	18	18	18
	Panel	kg	2,4	2,4	2,4
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)
Operating range	Cool Min ~ Max	°C	+18 ~ +32	+18 ~ +32	+18 ~ +32
	Heat Min ~ Max	°C	+16 ~ +30	+16 ~ +30	+16 ~ +30

1) Only for multi combinations.
Recommended fuse for the indoor 3A.

Accessories	
CZ-RTC5B	Wired remote controller with datanavi
CZ-RWS3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite 4 Way 90x90 Cassette Inverter+ • R410A GAS

CZ-KPU3W
Standard panel.

Large capacity PACi. Trusted comfort and high efficiency

Thanks to advances in design and technology such as the high performance turbo fan which is more efficient and silent, and nanoe™ X air purification, the U2 Panasonic 4 way 90x90 Cassette offers high energy saving, fresh air and comfort.

High heating capacity at -7°C.

CZ-KPU3AW
Optional Econavi panel (CZ-RTC5B is required).

CZ-CNEXU1
Optional nanoe™ X kit (CZ-RTC5B is required).

CZ-RWS3 + CZ-RWRU3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

			Single Phase						
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-36PU2E5D**	**KIT-50PU2E5D**	**KIT-60PU2E5D**	**KIT-71PU2E5D**	**KIT-100PU2E5D**	**KIT-125PU2E5D**	**KIT-140PU2E5D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)	6,00 (2,00 - 7,10)	7,10 (2,50 - 8,00)	10,00 (3,03 - 12,50)	12,50 (3,30 - 14,00)	14,00 (3,30 - 15,50)
EER [1]	Nominal (Min - Max)	W/W	4,68 (6,25 - 4,40)	3,79 (6,25 - 3,46)	3,75 (8,00 - 3,23)	3,94 (5,56 - 3,02)	4,27 (4,29 - 3,38)	3,70 (4,29 - 3,04)	3,30 (4,29 - 2,70)
SEER [2]			**7,40 A++**	**7,10 A++**	**7,40 A++**	**7,60 A++**	**7,60 A++**	**6,91**	**6,52**
Pdesign		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	0,77 (0,24 - 0,91)	1,32 (0,24 - 1,62)	1,60 (0,25 - 2,20)	1,80 (0,45 - 2,65)	2,34 (0,77 - 3,70)	3,37 (0,77 - 4,60)	4,24 (0,77 - 5,74)
Annual energy consumption [3]		kWh/a	170	246	284	327	461	—	—
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)	7,00 (1,80 - 8,00)	8,00 (2,00 - 9,00)	11,20 (4,10 - 14,00)	14,00 (4,10 - 16,00)	16,00 (4,10 - 18,00)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —	— / —	— / —	— / —	— / —	— / —
COP [1]	Nominal (Min - Max)	W/W	5,13 (7,89 - 4,63)	4,44 (7,89 - 4,01)	4,07 (9,00 - 3,90)	4,30 (5,00 - 3,16)	5,00 (5,19 - 3,18)	4,60 (5,19 - 3,17)	4,30 (5,19 - 3,15)
SCOP [2]			**4,60 A++**	**4,40 A+**	**4,20 A+**	**4,30 A+**	**4,80 A++**	**4,10**	**3,90**
Pdesign at -10°C		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	0,78 (0,19 - 1,08)	1,26 (0,19 - 1,62)	1,72 (0,20 - 2,05)	1,86 (0,40 - 2,85)	2,24 (0,79 - 4,40)	3,04 (0,79 - 5,04)	3,72 (0,79 - 5,72)
Annual energy consumption [3]		kWh/a	1095	1591	1999	2312	2917	—	—
Indoor unit			**S-36PU2E5B**	**S-50PU2E5B**	**S-60PU2E5B**	**S-71PU2E5B**	**S-100PU2E5B**	**S-125PU2E5B**	**S-140PU2E5B**
Air volume	Hi / Med / Lo	m³/min	14,50/13,00/11,50	16,50/13,50/11,50	21,00/16,00/13,00	22,00/16,00/13,00	36,00/26,00/18,00	37,00/27,00/19,00	38,00/29,00/20,00
Sound pressure [5]	Hi / Med / Lo	dB(A)	30/28/27	32/29/27	36/31/28	37/31/28	45/38/32	46/39/33	47/40/34
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	19 / 5	19 / 5	20 / 5	20 / 5	25 / 5	25 / 5	25 / 5
Outdoor unit			**U-36PE2E5A**	**U-50PE2E5A**	**U-60PE2E5A**	**U-71PE1E5A**	**U-100PE1E5A**	**U-125PE1E5A**	**U-140PE1E5A**
Power source		V	220/230/240	220/230/240	220/230/240	220/230/240	220/230/240	220/230/240	220/230/240
Recommended fuse		A	—	—	—	20	25	30	16
Connection indoor / outdoor		mm²	—	—	—	2,5	4,0	6,0	2,5
Current	Cool	A	3,75/3,55/3,40	6,25/5,95/5,70	7,90/7,50/7,25	8,40/8,10/7,90	10,50/10,10/9,70	15,20/14,70/14,30	19,30/18,60/18,00
	Heat	A	3,80/3,60/3,45	6,05/5,75/5,50	8,50/8,15/7,80	8,60/8,25/8,00	10,10/9,70/9,40	13,70/13,30/12,90	16,90/16,30/15,80
Air volume	Cool / Heat	m³/min	38/38	38/41	38/41	60/60	110/95	130/110	135/120
Sound pressure	Cool / Heat (Hi)	dB(A)	45/46	46/48	46/49	48/50	52/52	53/53	54/55
Dimension	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	39	39	40	69	98	98	98
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 75	5 ~ 75	5 ~ 75
Elevation difference (in/out) [6]		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	40	50	50	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	1,40/2,9232	1,40/2,9232	1,95/4,0716	2,35/4,9068	3,40/7,0992	3,40/7,0992	3,40/7,0992
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRU3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
CZ-CNEXU1	nanoe™ X air purifying system
CZ-KPU3AW	Econavi exclusive panel
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-WPH7	Wind protection shield for U-100/125/140PE1E5A/8A and U-140PEY1E8
PAW-WPH9	Wind protection shield for U-71PE1E5A/8A and U-100/125PEY1E5/8
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

Technical focus

- High performance turbo fan, path system for heat exchanger
- nanoe™ X: The first air purifier technology in commercial air conditioning
- Econavi: Intelligent sensor to reduce waste of energy
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Lower noise in slow fan operation
- Light weight, easy piping
- Drain pump included

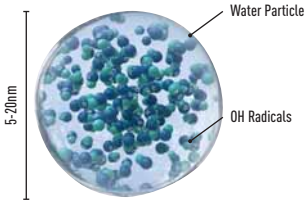
Group control, circulation function

Circulating operation is activated when a room is unoccupied to evenly distribute air and minimize temperature gaps in both heating and cooling operation.

nanoe™ X deodorises and inhibits certain bacteria & viruses

The newly developed nanoe™ X device produces 10x times more OH radicals (4800 billion) [1] than regular nanoe™ device.
Greater amounts of OH radicals contained in nanoe™ X lead to outstanding effects in bacteria, viruses and allergens inhibition as well as deodorisation. A fresher and cleaner home awaits you.

1) Based on Panasonic Survey.
CZ-RTC5B and optional accessory CZ-CNEXU1 are required to use nanoe™ X function.



4800 BILLION
OH RADICALS /
PER SECOND

			Three Phase			
			7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-71PU2E8D**	**KIT-100PU2E8D**	**KIT-125PU2E8D**	**KIT-140PU2E8D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (3,20 - 8,00)	10,00 (3,30 - 12,50)	12,50 (3,30 - 14,00)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	3,94 (5,71 - 3,02)	4,27 (4,29 - 3,38)	3,70 (4,29 - 3,04)	3,30 (4,29 - 2,70)
SEER [2]			**7,30 A++**	**7,40 A++**	**6,89**	**6,50**
Pdesign		kW	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	1,80 (0,56 - 2,65)	2,34 (0,77 - 3,70)	3,37 (0,77 - 4,60)	4,24 (0,77 - 5,74)
Annual energy consumption [3]		kWh/a	340	473	—	—
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,80 - 9,00)	11,20 (4,10 - 14,00)	14,00 (4,10 - 16,00)	16,00 (4,10 - 18,00)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —	— / —	— / —
COP [1]	Nominal (Min - Max)	W/W	4,30 (5,60 - 3,16)	5,00 (5,19 - 3,18)	4,60 (5,19 - 3,17)	4,30 (5,19 - 3,15)
SCOP [2]			**4,30 A+**	**4,80 A++**	**4,10**	**3,90**
Pdesign at -10°C		kW	7,10	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	1,86 (0,50 - 2,85)	2,24 (0,79 - 4,40)	3,04 (0,79 - 5,04)	3,72 (0,79 - 5,72)
Annual energy consumption [3]		kWh/a	2312	2917	—	—
Indoor unit			**S-71PU2E5B**	**S-100PU2E5B**	**S-125PU2E5B**	**S-140PU2E5B**
Air volume	Hi / Med / Lo	m³/min	22,00 / 16,00 / 13,00	36,00 / 26,00 / 18,00	37,00 / 27,00 / 19,00	38,00 / 29,00 / 20,00
Sound pressure [5]	Hi / Med / Lo	dB(A)	37 / 31 / 28	45 / 38 / 32	46 / 39 / 33	47 / 40 / 34
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	20 / 5	25 / 5	25 / 5	25 / 5
Outdoor unit			**U-71PE1E8A**	**U-100PE1E8A**	**U-125PE1E8A**	**U-140PE1E8A**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	16	16	16	16
Connection indoor / outdoor		mm²	2,5	2,5	2,5	2,5
Current	Cool	A	2,80 / 2,70 / 2,60	3,60 / 3,45 / 3,35	5,25 / 5,00 / 4,80	6,65 / 6,30 / 6,10
	Heat	A	2,90 / 2,80 / 2,70	3,45 / 3,30 / 3,20	4,75 / 4,50 / 4,35	5,80 / 5,55 / 5,35
Air volume	Cool / Heat	m³/min	60 / 60	110 / 95	130 / 110	135 / 120
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 55
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	71	98	98	98
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 75	5 ~ 75	5 ~ 75
Elevation difference (in/out) [6]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	50	50	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Heating capacity is calculated including defrost factor correction. 5) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

A++ 7,60 SEER | A++ 4,80 SCOP | 28% ECONAVI | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | nanoeX | DC FAN | R22 R410A R22 RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-100PU2E5D. ECONAVI and INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard 4 Way 90x90 Cassette Inverter+ • R410A GAS

CZ-KPU3W
Standard panel.

Large capacity PACi. Trusted comfort and high efficiency

Thanks to advances in design and technology such as the high performance turbo fan which is more efficient and silent, and nanoe™ X air purification, the U2 Panasonic 4 way 90x90 Cassette offers high energy saving, fresh air and comfort.

CZ-KPU3AW
Optional Econavi panel (CZ-RTC5B is required).

CZ-CNEXU1
Optional nanoe™ X kit (CZ-RTC5B is required).

CZ-RWS3 + CZ-RWRU3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

			Single Phase			
			6,00kW	7,10kW	10,00kW	12,50kW
KIT			**KIT-60PUY2E5D**	**KIT-71PUY2E5D**	**KIT-100PUY2E5D**	**KIT-125PUY2E5D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,00 (2,00 - 7,10)	7,10 (2,00 - 7,70)	10,00 (3,30 - 12,50)	12,50 (3,80 - 13,50)
EER [1]	Nominal (Min - Max)	W/W	3,70 (8,00 - 3,23)	3,24 (8,00 - 2,91)	4,27 (4,29 - 3,38)	3,16 (4,22 - 2,77)
SEER [2]			**7,00 A++**	**6,50 A++**	**7,60 A++**	**6,22**
Pdesign		kW	6,00	7,10	10,00	12,50
Input power cooling	Nominal (Min - Max)	kW	1,62 (0,25 - 2,20)	2,19 (0,25 - 2,65)	2,34 (0,77 - 3,70)	3,96 (0,90 - 4,88)
Annual energy consumption [3]		kWh/a	300	382	461	—
Heating capacity	Nominal (Min - Max)	kW	6,00 (1,80 - 7,00)	7,10 (1,80 - 8,10)	11,20 (4,10 - 14,00)	12,50 (3,40 - 15,00)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —	— / —	— / —
COP [1]	Nominal (Min - Max)	W/W	4,20 (9,00 - 4,24)	4,13 (9,00 - 3,68)	5,00 (5,19 - 3,18)	4,10 (4,66 - 3,41)
SCOP [2]			**4,10 A+**	**4,20 A+**	**4,80 A++**	**3,87**
Pdesign at -10°C		kW	6,00	6,00	10,00	12,50
Input power heating	Nominal (Min - Max)	kW	1,43 (0,20 - 1,65)	1,72 (0,20 - 2,20)	2,24 (0,79 - 4,40)	3,05 (0,73 - 4,40)
Annual energy consumption [3]		kWh/a	2047	2002	2917	—
Indoor unit			**S-60PU2E5B**	**S-71PU2E5B**	**S-100PU2E5B**	**S-125PU2E5B**
Air volume	Hi / Med / Lo	m³/min	21,00 / 16,00 / 13,00	22,00 / 16,00 / 13,00	36,0 / 26,00 / 18,00	37,00 / 27,00 / 19,00
Sound pressure [5]	Hi / Med / Lo	dB(A)	36 / 31 / 28	37 / 31 / 28	45 / 38 / 32	46 / 39 / 33
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	20 / 5	20 / 5	25 / 5	25 / 5
Outdoor unit			**U-60PEY2E5**	**U-71PEY2E5**	**U-100PEY1E5**	**U-125PEY1E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Recommended fuse		A	—	—	—	30
Connection indoor / outdoor		mm²	—	—	—	6,0
Current	Cool	A	8,00 / 7,60 / 7,30	10,70 / 10,30 / 9,85	14,80 / 14,20 / 13,60	18,80 / 18,00 / 17,20
	Heat	A	7,05 / 6,75 / 6,45	8,50 / 8,10 / 7,80	11,00 / 10,60 / 10,20	14,30 / 13,60 / 13,10
Air volume	Cool / Heat	m³/min	38 / 41	44 / 41	110 / 95	80 / 73
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	56 / 56
Dimension	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	996 x 940 x 340
Net weight		kg	40	40	73	85
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50
Elevation difference (in/out) [6]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	40	40	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	1,95 / 4,0716	1,95 / 4,0716	2,60 / 5,4288	3,20 / 6,6816
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRU3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
CZ-CNEXU1	nanoe™ X air purifying system
CZ-KPU3AW	Econavi exclusive panel
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-WPH7	Wind protection shield for U-100/125/140PE1E5A/8A and U-140PEY1E8
PAW-WPH9	Wind protection shield for U-71PE1E5A/8A and U-100/125PEY1E5/8
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

Technical focus

- High performance turbo fan, path system for heat exchanger
- nanoe™ X: The first air purifier technology in commercial air conditioning
- Econavi: Intelligent sensor to reduce waste of energy
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Lower noise in slow fan operation
- Light weight, easy piping
- Drain pump included

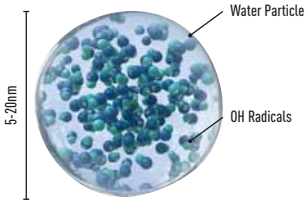
Group control, circulation function

Circulating operation is activated when a room is unoccupied to evenly distribute air and minimize temperature gaps in both heating and cooling operation.

nanoe™ X deodorises and inhibits certain bacteria & viruses

The newly developed nanoe™ X device produces 10x times more OH radicals (4800 billion) [1] than regular nanoe™ device.
Greater amounts of OH radicals contained in nanoe™ X lead to outstanding effects in bacteria, viruses and allergens inhibition as well as deodorisation. A fresher and cleaner home awaits you.

1) Based on Panasonic Survey.
CZ-RTC5B and optional accessory CZ-CNEXU1 are required to use nanoe™ X function.



4800 BILLION
OH RADICALS /
PER SECOND

			Three Phase		
			10,00kW	12,50kW	14,00kW
KIT			**KIT-100PUY2E8D**	**KIT-125PUY2E8D**	**KIT-140PUY2E8D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	10,00 (2,70 - 11,50)	12,50 (3,80 - 13,50)	14,00 (3,30 - 15,50)
EER [1]	Nominal (Min - Max)	W/W	3,16 (5,09 - 2,74)	3,16 (4,22 - 2,77)	3,25 (3,93 - 267)
SEER [2]			**6,60 A++**	**6,20**	**6,39**
Pdesign		kW	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	3,16 (0,53 - 4,20)	3,96 (0,90 - 4,88)	4,31 (0,84 - 5,81)
Annual energy consumption [3]		kWh/a	530	—	—
Heating capacity	Nominal (Min - Max)	kW	10,00 (2,10 - 13,80)	12,50 (3,40 - 15,00)	14,00 (4,10 - 16,00)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —	— / —
COP [1]	Nominal (Min - Max)	W/W	4,15 (5,12 - 3,45)	4,10 (4,66 - 3,41)	4,15 (4,56 - 3,08)
SCOP [2]			**4,30 A+**	**3,87**	**3,79**
Pdesign at -10°C		kW	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	2,41 (0,41 - 4,00)	3,05 (0,73 - 4,40)	3,37 (0,90 - 5,20)
Annual energy consumption [3]		kWh/a	3256	—	—
Indoor unit			**S-100PU2E5B**	**S-125PU2E5B**	**S-140PU2E5B**
Air volume	Hi / Med / Lo	m³/min	36,00 / 26,00 / 18,00	37,00 / 27,00 / 19,00	38,00 / 29,00 / 20,00
Sound pressure [5]	Hi / Med / Lo	dB(A)	45 / 38 / 32	46 / 39 / 33	47 / 40 / 34
Dimension	Indoor (H x W x D)	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	25 / 5	25 / 5	25 / 5
Outdoor unit			**U-100PEY1E8**	**U-125PEY1E8**	**U-140PEY1E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	16	16	16
Connection indoor / outdoor		mm²	2,5	2,5	2,5
Current	Cool	A	5,00 / 4,75 / 4,60	6,20 / 5,90 / 5,70	6,75 / 6,40 / 6,20
	Heat	A	3,80 / 3,60 / 3,50	4,75 / 4,50 / 4,35	5,25 / 5,00 / 4,80
Air volume	Cool / Heat	m³/min	76 / 67	80 / 73	135 / 120
Sound pressure	Cool / Heat (Hi)	dB(A)	54 / 54	56 / 56	54 / 53
Dimension	H x W x D	mm	996 x 940 x 340	996 x 940 x 340	1416 x 940 x 340
Net weight		kg	73	85	98
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [6]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	50	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,60 / 5,4288	3,20 / 6,6816	3,40 / 7,0992
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Heating capacity is calculated including defrost factor correction. 5) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

A++ 7,60 SEER | A++ 4,80 SCOP | 28% ECONAVI | INVERTER+ | -10°C COOLING MODE | -15°C HEATING MODE | nanoeX | DC FAN | R22 → R410A R22 RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-100PUY2E5D. ECONAVI and INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite Ceiling Inverter+ • R410A GAS

Ceiling mounted units provide large and wide air distribution which is good for big rooms

The height and depth of all capacities are the same for unified appearance in mixed installations.

High heating capacity at -7°C.

CZ-RWS3 + CZ-RWRT3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase						
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-36PT2E5D**	**KIT-50PT2E5D**	**KIT-60PT2E5D**	**KIT-71PT2E5D**	**KIT-100PT2E5D**	**KIT-125PT2E5D**	**KIT-140PT2E5D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)	6,00 (2,00 - 7,10)	7,10 (2,50 - 8,00)	10,00 (3,30 - 12,50)	12,50 (3,30 - 14,00)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	4,80 (6,25 - 4,49)	3,73 (6,25 - 3,41)	3,73 (8,00 - 3,16)	3,68 (5,56 - 2,88)	3,95 (3,93 - 3,25)	3,35 (3,93 - 2,88)	3,01 (3,93 - 2,65)
SEER [2]			**6,70 A++**	**6,50 A++**	**6,80 A++**	**6,20 A++**	**6,70 A++**	**5,76**	**5,36**
Pdesign		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	0,75 (0,24 - 0,89)	1,34 (0,24 - 1,64)	1,61 (0,25 - 2,25)	1,93 (0,45 - 2,78)	2,53 (0,84 - 3,85)	3,73 (0,84 - 4,86)	4,65 (0,84 - 5,65)
Annual energy consumption [3]		kWh/a	188	269	309	965	523	—	—
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)	7,00 (1,80 - 8,00)	8,00 (2,00 - 9,00)	11,20 (4,10 - 14,00)	14,00 (4,10 - 16,00)	16,00 (4,10 - 18,00)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —	— / —	7,52 / 7,65	12,04 / 11,20	13,48 / 12,38	14,24 / 12,69
COP [1]	Nominal (Min - Max)	W/W	5,00 (7,89 - 4,50)	4,18 (7,89 - 3,78)	4,22 (9,00 - 4,10)	4,15 (5,00 - 3,10)	4,31 (4,56 - 3,18)	3,99 (4,56 - 3,07)	3,67 (4,56 - 3,04)
SCOP [2]			**4,30 A+**	**4,10 A+**	**4,10 A+**	**4,00 A+**	**4,30 A+**	**3,81**	**3,70**
Pdesign at -10°C		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	0,80 (0,19 - 1,11)	1,34 (0,19 - 1,72)	1,66 (0,20 - 1,95)	1,93 (0,40 - 2,90)	2,60 (0,90 - 4,40)	3,51 (0,90 - 5,21)	4,36 (0,90 - 5,93)
Annual energy consumption [3]		kWh/a	1172	1707	2050	2485	3256	—	—
Indoor unit			**S-36PT2E5B**	**S-50PT2E5B**	**S-60PT2E5B**	**S-71PT2E5B**	**S-100PT2E5B**	**S-125PT2E5B**	**S-140PT2E5B**
Air volume	Hi / Med / Lo	m³/min	14,00/12,00/10,50	15,00/12,50/10,50	20,00/17,00/14,50	21,00/18,00/15,50	30,00/25,00/23,00	34,00/28,00/24,00	35,00/29,00/25,00
Sound pressure [5]	Hi / Med / Lo	dB(A)	36 / 32 / 29	37 / 33 / 29	38 / 34 / 30	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37
Dimension	H x W x D	mm	235 x 960 x 690	235 x 960 x 690	235 x 1275 x 690	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	27	27	33	33	40	40	40
Outdoor unit			**U-36PE2E5A**	**U-50PE2E5A**	**U-60PE2E5A**	**U-71PE1E5A**	**U-100PE1E5A**	**U-125PE1E5A**	**U-140PE1E5A**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Recommended fuse		A	—	—	—	20	25	30	16
Connection indoor / outdoor		mm²	—	—	—	2,5	4,0	6,0	2,5
Current	Cool	A	3,55 / 3,40 / 3,25	6,30 / 6,00 / 5,75	7,90 / 7,50 / 7,20	9,00 / 8,70 / 8,40	11,50 / 11,10 / 10,60	17,00 / 16,40 / 15,80	21,20 / 20,50 / 19,80
	Heat	A	3,80 / 3,65 / 3,50	6,35 / 6,10 / 5,80	8,15 / 7,80 / 7,45	8,90 / 8,60 / 8,30	11,80 / 11,40 / 11,00	16,00 / 15,40 / 14,90	19,80 / 19,20 / 18,50
Air volume	Cool / Heat	m³/min	38 / 38	38 / 41	38 / 41	60 / 60	110 / 95	130 / 110	135 / 120
Sound pressure	Cool / Heat (Hi)	dB(A)	45 / 46	46 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 55
Dimension	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	39	39	40	69	98	98	98
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 75	5 ~ 75	5 ~ 75
Elevation difference (in/out) [6]		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	40	50	50	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	1,40 / 2,9232	1,40 / 2,9232	1,95 / 4,0716	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

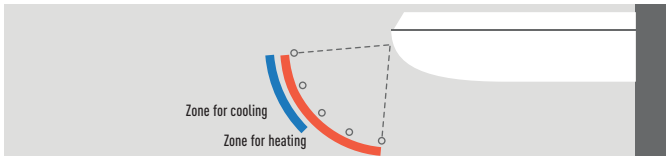
Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRT3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption

Accessories	
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
PAW-WPH7	Wind protection shield for U-100/125/140PE1E5A/8A and U-140PEY1E8
PAW-WPH9	Wind protection shield for U-71PE1E5A/8A and U-100/125PEY1E5/8
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

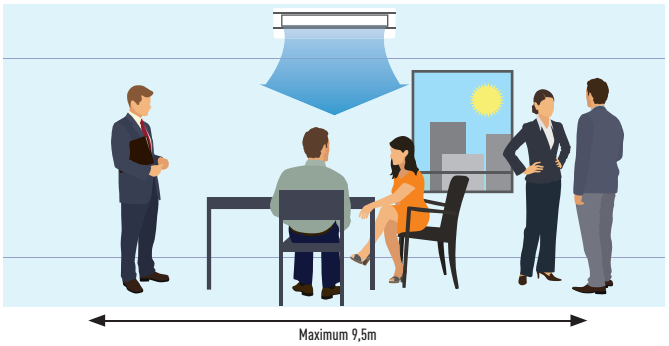
- Wide air distribution for large rooms
- Horizontal air flow reaches maximum 9,5m
- Fresh air connection available on the unit
- Slim design with 235m height fits narrow space
- Silent operation
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Twin, Triple and Double-twin split options
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

Air distribution is altered depending on the operational mode



Further comfort improvement with airflow distribution

Horizontal air flow reaches maximum 9,5m. This is ideal for wide rooms. The wide air discharge opening expands the air flow to the left and the right. The unpleasant feeling caused when the air flow directly hits the human body is prevented by the "Draft prevention position", which changes the swing width, so that the degree of comfort is increased.



			Three Phase			
			7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-71PT2E8D**	**KIT-100PT2E8D**	**KIT-125PT2E8D**	**KIT-140PT2E8D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,50 - 8,00)	10,00 (3,30 - 12,50)	12,50 (3,30 - 14,00)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	3,68 (5,56 - 2,88)	3,95 (3,93 - 3,25)	3,35 (3,93 - 2,88)	3,01 (3,93 - 2,65)
SEER [2]			**5,90 A+**	**6,60 A++**	**5,74**	**5,34**
Pdesign		kW	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	1,93 (0,45 - 2,78)	2,53 (0,84 - 3,85)	3,73 (0,84 - 4,86)	4,65 (0,84 - 5,65)
Annual energy consumption [3]		kWh/a	421	531	—	—
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 - 9,00)	11,20 (4,10 - 14,00)	14,00 (4,10 - 16,00)	16,00 (4,10 - 18,00)
Heating capacity at -7°C / -15°C [4]		kW	7,52 / 7,65	12,04 / 11,20	13,48 / 12,38	14,24 / 12,69
COP [1]	Nominal (Min - Max)	W/W	4,15 (5,00 - 3,10)	4,31 (4,56 - 3,18)	3,99 (4,56 - 3,07)	3,67 (4,56 - 3,04)
SCOP [2]			**4,00 A+**	**4,30 A+**	**3,81**	**3,70**
Pdesign at -10°C		kW	7,10	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	1,93 (0,40 - 2,90)	2,60 (0,90 - 4,40)	3,51 (0,90 - 5,21)	4,36 (0,90 - 5,93)
Annual energy consumption [3]		kWh/a	2485	3256	—	—
Indoor unit			**S-71PT2E5B**	**S-100PT2E5B**	**S-125PT2E5B**	**S-140PT2E5B**
Air volume	Hi / Med / Lo	m^3/min	21,00 / 18,00 / 15,50	30,00 / 25,00 / 23,00	34,00 / 28,00 / 24,00	35,00 / 29,00 / 25,00
Sound pressure [5]	Hi / Med / Lo	dB(A)	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37
Dimension	H x W x D	mm	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	33	40	40	40
Outdoor unit			**U-71PE1E8A**	**U-100PE1E8A**	**U-125PE1E8A**	**U-140PE1E8A**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	16	16	16	16
Connection indoor / outdoor		mm^2	2,5	2,5	2,5	2,5
Current	Cool	A	3,00 / 2,90 / 2,80	3,95 / 3,75 / 3,65	5,85 / 5,55 / 5,35	7,30 / 6,95 / 6,70
	Heat	A	3,00 / 2,90 / 2,80	4,05 / 3,85 / 3,75	5,50 / 5,20 / 5,05	6,85 / 6,50 / 6,25
Air volume	Cool / Heat	m^3/min	60 / 60	110 / 95	130 / 110	135 / 120
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 55
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	71	98	98	98
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 75	5 ~ 75	5 ~ 75
Elevation difference (in/out) [6]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	50	50	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Heating capacity is calculated including defrost factor correction. 5) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

A++ 6,70 SEER | A+ 4,30 SCOP | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | R22 → R410A R22 RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER: For KIT-60PT2E5D. SCOP: For KIT-36PT2E5D and KIT-100PT2E5D. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard Ceiling Inverter+ • R410A GAS

Ceiling mounted units provide large and wide air distribution which is good for big rooms

The height and depth of all capacities are the same for unified appearance in mixed installations.

CZ-RWS3 + CZ-RWRT3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase			
			6,00kW	7,10kW	10,00kW	12,50kW
KIT			**KIT-60PTY2E5D**	**KIT-71PTY2E5D**	**KIT-100PTY2E5D**	**KIT-125PTY2E5D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,00 (2,00 - 7,10)	7,10 (2,00 - 7,70)	10,00 (2,70 - 11,50)	12,50 (3,80 - 13,50)
EER [1]	Nominal (Min - Max)	W/W	3,68 (8,00 - 3,16)	3,21 (8,00 - 2,91)	3,01 (5,09 - 2,65)	3,01 (4,22 - 2,62)
SEER [2]			**6,70 A++**	**6,10 A++**	**6,10 A++**	**5,26**
Pdesign		kW	6,00	7,10	10,00	12,50
Input power cooling	Nominal (Min - Max)	kW	1,63 (0,25 - 2,25)	2,21 (0,25 - 2,65)	3,32 (0,53 - 4,34)	4,15 (0,90 - 5,16)
Annual energy consumption [3]		kWh/a	313	407	574	—
Heating capacity	Nominal (Min - Max)	kW	6,00 (1,80 - 7,00)	7,10 (1,80 - 8,10)	10,00 (2,10 - 13,80)	12,50 (3,40 - 15,00)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —	9,97 / 8,43	10,97 / 9,03
COP [1]	Nominal (Min - Max)	W/W	4,35 (9,00 - 4,38)	4,23 (9,00 - 3,77)	3,85 (5,12 - 3,45)	3,85 (4,66 - 3,41)
SCOP [2]			**4,00 A+**	**4,00 A+**	**3,90 A**	**3,58**
Pdesign at -10°C		kW	6,00	6,00	10,00	12,50
Input power heating	Nominal (Min - Max)	kW	1,38 (0,20 - 1,60)	1,68 (0,20 - 2,15)	2,60 (0,41 - 4,00)	3,25 (0,73 - 4,40)
Annual energy consumption [3]		kWh/a	2100	2100	3590	—
Indoor unit			**S-60PT2E5B**	**S-71PT2E5B**	**S-100PT2E5B**	**S-125PT2E5B**
Air volume	Hi / Med / Lo	m³/min	20,00 / 17,00 / 14,50	21,00 / 18,00 / 15,50	30,00 / 25,00 / 23,00	34,00 / 28,00 / 24,00
Sound pressure [5]	Hi / Med / Lo	dB(A)	38 / 34 / 30	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36
Dimension	H x W x D	mm	235 x 1275 x 690	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	33	33	40	40
Outdoor unit			**U-60PEY2E5**	**U-71PEY2E5**	**U-100PEY1E5**	**U-125PEY1E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Recommended fuse		A	—	—	25	30
Connection indoor / outdoor		mm²	—	—	4	6
Current	Cool	A	8,00 / 7,60 / 7,30	10,80 / 10,30 / 9,85	15,60 / 15,00 / 14,40	19,70 / 18,90 / 18,10
	Heat	A	6,70 / 6,45 / 6,15	8,20 / 7,85 / 7,50	11,90 / 11,50 / 11,10	15,20 / 14,60 / 13,90
Air volume	Cool / Heat	m³/min	38 / 41	44 / 41	110 / 95	80 / 73
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	56 / 56
Dimension	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	996 x 940 x 340
Net weight		kg	40	40	73	85
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50
Elevation difference (in/out) [6]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	40	40	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	1,95 / 4,0716	1,95 / 4,0716	2,60 / 5,4288	3,20 / 6,6816
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

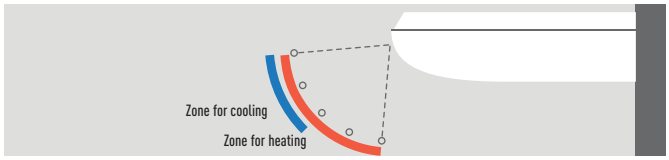
Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRT3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption

Accessories	
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
PAW-WPH7	Wind protection shield for U-100/125/140PE1E5A/8A and U-140PEY1E8
PAW-WPH9	Wind protection shield for U-71PE1E5A/8A and U-100/125PEY1E5/8
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

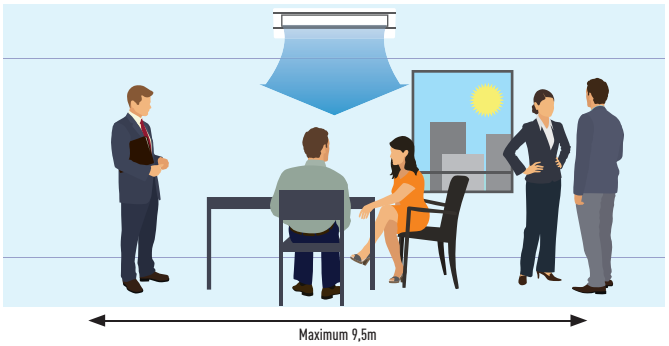
- Wide air distribution for large rooms
- Horizontal air flow reaches maximum 9,5m
- Fresh air connection available on the unit
- Slim design with 235m height fits narrow space
- Silent operation
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Twin, Triple and Double-twin split options
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

Air distribution is altered depending on the operational mode



Further comfort improvement with airflow distribution

Horizontal air flow reaches maximum 9,5m. This is ideal for wide rooms. The wide air discharge opening expands the air flow to the left and the right. The unpleasant feeling caused when the air flow directly hits the human body is prevented by the "Draft prevention position", which changes the swing width, so that the degree of comfort is increased.



			Three Phase		
			10,00kW	12,50kW	14,00kW
KIT			**KIT-100PTY2E8D**	**KIT-125PTY2E8D**	**KIT-140PTY2E8D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	10,00 (2,70 - 11,50)	12,50 (3,80 - 13,50)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	3,01 (5,09 - 2,65)	3,01 (4,22 - 2,62)	2,98 (3,93 - 2,63)
SEER [2]			**6,00 A+**	**5,24**	**5,25**
Pdesign		kW	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	3,32 (0,53 - 4,34)	4,15 (0,90 - 5,16)	4,70 (0,84 - 5,70)
Annual energy consumption [3]		kWh/a	584	—	—
Heating capacity	Nominal (Min - Max)	kW	10,00 (2,10 - 13,80)	12,50 (3,40 - 15,00)	14,00 (4,10 - 16,00)
Heating capacity at -7°C / -15°C [4]		kW	9,97/8,43	10,97/9,03	13,35/12,38
COP [1]	Nominal (Min - Max)	W/W	3,85 (5,12 - 3,45)	3,85 (4,66 - 3,41)	3,88 (4,56 - 3,07)
SCOP [2]			**3,90 A**	**3,58**	**3,57**
Pdesign at -10°C		kW	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	2,60 (0,41 - 4,00)	3,25 (0,73 - 4,40)	3,61 (0,90 - 5,21)
Annual energy consumption [3]		kWh/a	3590	—	—
Indoor unit			**S-100PT2E5B**	**S-125PT2E5B**	**S-140PT2E5B**
Air volume	Hi / Med / Lo	m^3/min	30,00/25,00/23,00	34,00/28,00/24,00	35,00/29,00/25,00
Sound pressure [5]	Hi / Med / Lo	dB(A)	42/37/35	46/40/36	47/41/37
Dimension	H x W x D	mm	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	40	40	40
Outdoor unit			**U-100PEY1E8**	**U-125PEY1E8**	**U-140PEY1E8**
Power source		V	380/400/415	380/400/415	380/400/415
Recommended fuse		A	16	16	16
Connection indoor / outdoor		mm^2	2,5	2,5	2,5
Current	Cool	A	5,30/5,05/4,85	6,50/6,20/6,00	7,40/7,00/6,80
	Heat	A	4,10/3,90/3,75	5,10/4,80/4,65	5,65/5,35/5,15
Air volume	Cool / Heat	m^3/min	76/67	80/73	135/120
Sound pressure	Cool / Heat (Hi)	dB(A)	54/54	56/56	54/53
Dimension	H x W x D	mm	996 x 940 x 340	996 x 940 x 340	1416 x 940 x 340
Net weight		kg	73	85	98
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [6]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	50	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,60/5,4288	3,20/6,6816	3,40/7,0992
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Heating capacity is calculated including defrost factor correction. 5) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

A++ 6,70 SEER | A+ 4,00 SCOP | INVERTER+ | -10°C COOLING MODE | -15°C HEATING MODE | R22 R410A R22 RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-60PTY2E5D. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite High Static Pressure Hide Away Inverter+ • R410A GAS

The ducted systems are the ideal solution for flexible, concealed air conditioning and the optional 200mm spigots ensure simple, hassle-free connection to spiral ductwork.

High heating capacity at -7°C.

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase						
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-36PF1E5D**	**KIT-50PF1E5D**	**KIT-60PF1E5D**	**KIT-71PF1E5D**	**KIT-100PF1E5D**	**KIT-125PF1E5D**	**KIT-140PF1E5D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)	6,00 (2,00 - 7,10)	7,10 (2,50 - 8,00)	10,00 (3,30 - 12,50)	12,50 (3,30 - 14,00)	14,00 (3,30 - 15,50)
EER [1]	Nominal (Min - Max)	W/W	4,44 (5,17 - 4,00)	3,85 (5,17 - 3,50)	3,64 (5,97 - 3,02)	3,84 (4,72 - 3,02)	4,10 (3,93 - 3,38)	3,50 (3,93 - 3,04)	3,25 (3,93 - 2,58)
SEER [2]			**5,70 A+**	**5,70 A+**	**6,10 A++**	**6,40 A++**	**5,80 A+**	**5,57**	**5,41**
Pdesign		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	0,81 (0,29 - 1,00)	1,30 (0,29 - 1,60)	1,65 (0,34 - 2,35)	1,85 (0,53 - 2,65)	2,44 (0,84 - 3,70)	3,57 (0,84 - 4,60)	4,31 (0,84 - 6,00)
Annual energy consumption [3]		kWh/a	221	307	344	388	603	—	—
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)	7,00 (1,80 - 8,00)	8,00 (2,00 - 9,00)	11,20 (4,10 - 14,00)	14,00 (4,10 - 16,00)	16,00 (4,10 - 18,00)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —	— / —	— / —	— / —	— / —	12,32 / —
COP [1]	Nominal (Min - Max)	W/W	4,55 (6,25 - 4,17)	4,03 (6,25 - 3,71)	4,00 (6,32 - 3,81)	3,85 (4,17 - 3,10)	4,31 (4,56 - 3,18)	4,02 (4,56 - 3,08)	3,60 (4,56 - 3,05)
SCOP [2]			**3,90 A**	**3,90 A**	**4,00 A+**	**4,00 A+**	**3,80 A**	**3,72**	**3,63**
Pdesign at -10°C		kW	3,60	4,00	6,00	7,10	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	0,88 (0,24 - 1,20)	1,39 (0,24 - 1,75)	1,75 (0,29 - 2,10)	2,08 (0,48 - 2,90)	2,60 (0,90 - 4,40)	3,48 (0,90 - 5,20)	4,44 (0,90 - 5,90)
Annual energy consumption [3]		kWh/a	1292	1436	2100	2485	3684	—	—
Indoor unit			**S-36PF1E5B**	**S-50PF1E5B**	**S-60PF1E5B**	**S-71PF1E5B**	**S-100PF1E5B**	**S-125PF1E5B**	**S-140PF1E5B**
External static pressure [5]	Nominal (Min - Max)	Pa	70 (10 - 150)	70 (10 - 150)	70 (10 - 150)	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	14,00/13,00/10,00	16,00/15,00/12,00	21,00/19,00/15,00	21,00/19,00/15,00	32,00/26,00/21,00	34,00/29,00/23,00	36,00/32,00/25,00
Sound pressure [6]	Hi / Med / Lo	dB(A)	33/29/25	34/30/26	35/32/26	35/32/26	38/34/31	39/35/32	40/36/33
Dimension	H x W x D	mm	290 x 800 x 700	290 x 800 x 700	290 x 1000 x 700	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	28	28	33	33	45	45	45
Outdoor unit			**U-36PE2E5A**	**U-50PE2E5A**	**U-60PE2E5A**	**U-71PE1E5A**	**U-100PE1E5A**	**U-125PE1E5A**	**U-140PE1E5A**
Power source		V	220/230/240	220/230/240	220/230/240	220/230/240	220/230/240	220/230/240	220/230/240
Recommended fuse		A	—	—	—	20	25	30	16
Connection indoor / outdoor		mm²	—	—	—	2,5	4,0	6,0	2,5
Current	Cool	A	3,70/3,50/3,40	5,80/5,60/5,30	7,70/7,40/7,10	8,90/8,60/8,30	11,00/10,60/10,30	16,60/15,90/15,30	20,10/19,30/18,60
	Heat	A	4,05/3,85/3,70	6,30/6,05/5,80	8,25/7,85/7,55	9,90/9,50/9,20	11,60/11,20/10,70	16,30/15,80/15,10	19,90/19,10/18,40
Air volume	Cool / Heat	m³/min	38/38	38/41	38/41	60/60	110/95	130/110	135/120
Sound pressure	Cool / Heat (Hi)	dB(A)	45/46	46/48	46/49	48/50	52/52	53/53	54/55
Dimension	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	39	39	40	69	98	98	98
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 75	5 ~ 75	5 ~ 75
Elevation difference (in/out) [7]		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	40	50	50	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	1,40/2,9232	1,40/2,9232	1,95/4,0716	2,35/4,9068	3,40/7,0992	3,40/7,0992	3,40/7,0992
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption

Accessories	
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-56DAF2	Air Outlet Plenum S . .PF1E5B 36, 45 & 50
CZ-90DAF2	Air Outlet Plenum S . .PF1E5B 60 & 71
CZ-160DAF2	Air Outlet Plenum S . .PF1E5B 100, 125 & 140
CZ-DUMPA90MF2	Air Inlet Plenum S . .PF1E5B 60 & 71
CZ-DUMPA160MF2	Air Inlet Plenum S . .PF1E5B 100, 125 & 140
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

Technical focus

- High ESP (external static pressure) up to 150 Pa
- Automatic learning function for the required static pressure on site during commissioning (a standard wired remote controller is required)
- DC FAN for better efficiency and control
- Built in drain pump
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Twin split options
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

The static pressure outside the unit can be increased up to 150 Pa

Type		60	71	100	125	140
Standard	Pa	70	70	100	100	100
Maximum available setting	Pa	150	150	150	150	150

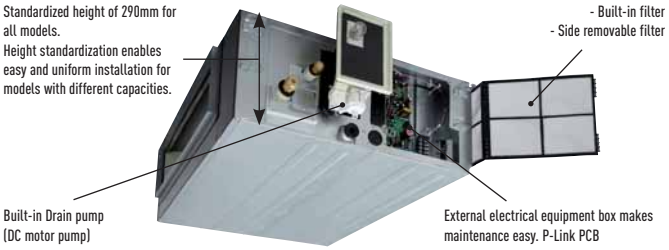
More powerful drain pump

Using a high-lift drain pump, drain piping can be elevated up to 785mm from the base of the unit.

Plenums

Air Outlet Plenum (without regulation adaptor)	Diameters	Model
60 & 71	3xØ 200	CZ-90DAF2
100, 125 & 140	4xØ 200	CZ-160DAF2

Air Inlet Plenum	Diameters	Model
60 & 71	3xØ 200	CZ-DUMPA90MF2
100, 125 & 140	4xØ 200	CZ-DUMPA160MF2



			Three Phase			
			7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-71PF1E8D**	**KIT-100PF1E8D**	**KIT-125PF1E8D**	**KIT-140PF1E8D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (3,20 - 8,00)	10,00 (3,30 - 12,50)	12,50 (3,30 - 14,00)	14,00 (3,30 - 15,50)
EER [1]	Nominal (Min - Max)	W/W	3,84 (5,00 - 3,02)	4,10 (3,93 - 3,38)	3,50 (3,93 - 3,04)	3,25 (3,93 - 2,58)
SEER [2]			**6,00 A+**	**5,70 A+**	**5,55**	**5,40**
Pdesign		kW	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	1,85 (0,64 - 2,65)	2,44 (0,84 - 3,70)	3,57 (0,84 - 4,60)	4,31 (0,84 - 6,00)
Annual energy consumption [3]		kWh/a	414	614	—	—
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,80 - 9,00)	11,20 (4,10 - 14,00)	14,00 (4,10 - 16,00)	16,00 (4,10 - 18,00)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —	— / —	12,32 / —
COP [1]	Nominal (Min - Max)	W/W	3,85 (4,83 - 3,10)	4,31 (4,56 - 3,18)	4,02 (4,56 - 3,08)	3,60 (4,56 - 3,05)
SCOP [2]			**3,90 A**	**3,80 A**	**3,72**	**3,63**
Pdesign at -10°C		kW	7,10	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	2,08 (0,58 - 2,90)	2,60 (0,90 - 4,40)	3,48 (0,90 - 5,20)	4,44 (0,90 - 5,90)
Annual energy consumption [3]		kWh/a	2548	3684	—	—
Indoor unit			**S-71PF1E5B**	**S-100PF1E5B**	**S-125PF1E5B**	**S-140PF1E5B**
External static pressure [5]	Nominal (Min - Max)	Pa	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	21,00 / 19,00 / 15,00	32,00 / 26,00 / 21,00	34,00 / 29,00 / 23,00	36,00 / 32,00 / 25,00
Sound pressure [6]	Hi / Med / Lo	dB(A)	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Dimension	H x W x D	mm	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	33	45	45	45
Outdoor unit			**U-71PE1E8A**	**U-100PE1E8A**	**U-125PE1E8A**	**U-140PE1E8A**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	16	16	16	16
Connection indoor / outdoor		mm²	2,5	2,5	2,5	2,5
Current	Cool	A	2,75 / 2,65 / 2,60	3,68 / 3,53 / 3,43	5,52/ 5,29 / 5,12	6,69/ 6,42 / 6,18
	Heat	A	3,10 / 3,00 / 2,90	3,86/ 3,70 / 3,58	5,44/ 5,26 / 5,05	6,64/ 6,35 / 6,15
Air volume	Cool / Heat	m³/min	60 / 60	110 / 95	130 / 110	135 / 120
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 55
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	71	98	98	98
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 75	5 ~ 75	5 ~ 75
Elevation difference (in/out) [7]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	50	50	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Heating capacity is calculated including defrost factor correction. 5) Medium external static pressure setting from factory. 6) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 7) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

A++ 6,40 SEER | A+ 4,00 SCOP | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | DC FAN | FILTER INCLUDED | R22 → R410A R22 RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-71PF1E5D. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard High Static Pressure Hide Away Inverter+ • R410A GAS

The ducted systems are the ideal solution for flexible, concealed air conditioning and the optional 200mm spigots ensure simple, hassle-free connection to spiral ductwork.

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase			
			6,00kW	7,10kW	10,00kW	12,50kW
KIT			**KIT-60PFY1E5D**	**KIT-71PFY1E5D**	**KIT-100PFY1E5D**	**KIT-125PFY1E5D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,00 (2,00 - 7,10)	7,10 (2,00 - 7,70)	10,00 (2,70 - 11,50)	12,50 (3,80 - 13,50)
EER [1]	Nominal (Min - Max)	W/W	3,35 (5,97 - 2,85)	2,76 (5,97 - 2,48)	3,01 (5,09 - 2,74)	3,05 (4,22 - 2,70)
SEER [2]			**5,50 A**	**5,40 A**	**5,40 A**	**5,11**
Pdesign		kW	6,00	7,10	10,00	12,50
Input power cooling	Nominal (Min - Max)	kW	1,79 (0,34 - 2,49)	2,57 (0,34 - 3,10)	3,32 (0,53 - 4,20)	4,10 (0,90 - 5,00)
Annual energy consumption [3]		kWh/a	382	460	648	—
Heating capacity	Nominal (Min - Max)	kW	6,00 (1,80 - 7,00)	7,10 (1,80 - 8,10)	10,00 (2,10 - 13,80)	12,50 (3,40 - 15,00)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —	— / —	11,00 / —
COP [1]	Nominal (Min - Max)	W/W	4,38 (6,32 - 4,12)	4,10 (6,32 - 3,68)	3,80 (5,12 - 3,45)	3,82 (4,66 - 3,41)
SCOP [2]			**4,00 A+**	**4,00 A+**	**3,80 A**	**3,60**
Pdesign at -10°C		kW	6,00	6,00	9,50	12,50
Input power heating	Nominal (Min - Max)	kW	1,37 (0,29 - 1,70)	1,73 (0,29 - 2,20)	2,63 (0,41 - 4,00)	3,27 (0,73 - 4,40)
Annual energy consumption [3]		kWh/a	2100	2100	3500	—
Indoor unit			**S-60PF1E5B**	**S-71PF1E5B**	**S-100PF1E5B**	**S-125PF1E5B**
External static pressure [5]	Nominal (Min - Max)	Pa	70 (10 - 150)	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	21 / 19 / 15	21 / 19 / 15	32 / 26 / 21	34 / 29 / 23
Sound pressure [6]	Hi / Med / Lo	dB(A)	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32
Dimension	H x W x D	mm	290 x 1000 x 700	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	33	33	45	45
Outdoor unit			**U-60PEY2E5**	**U-71PEY2E5**	**U-100PEY1E5**	**U-125PEY1E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Recommended fuse		A	—	—	25	30
Connection indoor / outdoor		mm²	—	—	4	6
Current	Cool	A	8,40 / 8,10 / 7,75	12,20 / 11,70 / 11,20	15,10 / 14,50 / 13,90	18,80 / 18,00 / 17,20
	Heat	A	6,30 / 6,05 / 5,80	8,15 / 7,80 / 7,45	11,80 / 11,20 / 10,70	14,60 / 14,00 / 13,40
Air volume	Cool / Heat	m³/min	38 / 41	44 / 41	76 / 67	80 / 73
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	54 / 54	56 / 56
Dimension	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	996 x 940 x 340
Net weight		kg	40	40	73	85
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50
Elevation difference (in/out) [7]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	40	40	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	1,95 / 4,0716	1,95 / 4,0716	2,60 / 5,4288	3,20 / 6,6816
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption

Accessories	
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-90DAF2	Air Outlet Plenum S . .PF1E5B 60 & 71
CZ-160DAF2	Air Outlet Plenum S . .PF1E5B 100, 125 & 140
CZ-DUMPA90MF2	Air Inlet Plenum S . .PF1E5B 60 & 71
CZ-DUMPA160MF2	Air Inlet Plenum S . .PF1E5B 100, 125 & 140
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

Technical focus

- High ESP (external static pressure) up to 150 Pa
- Automatic learning function for the required static pressure on site during commissioning (a standard wired remote controller is required)
- DC FAN for better efficiency and control
- Built in drain pump
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- Twin split options
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

The static pressure outside the unit can be increased up to 150 Pa

Type		60	71	100	125	140
Standard	Pa	70	70	100	100	100
Maximum available setting	Pa	150	150	150	150	150

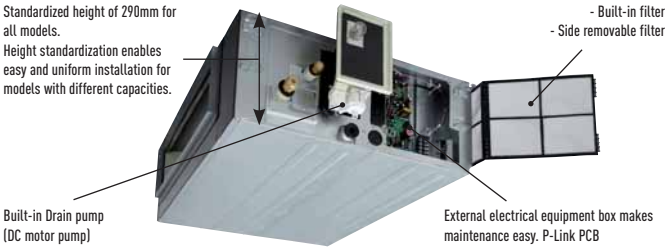
More powerful drain pump

Using a high-lift drain pump, drain piping can be elevated up to 785mm from the base of the unit.

Plenums

Air Outlet Plenum (without regulation adaptor)	Diameters	Model
60 & 71	3xØ 200	CZ-90DAF2
100, 125 & 140	4xØ 200	CZ-160DAF2

Air Inlet Plenum	Diameters	Model
60 & 71	3xØ 200	CZ-DUMPA90MF2
100, 125 & 140	4xØ 200	CZ-DUMPA160MF2



			Three Phase		
			10,00kW	12,50kW	14,00kW
KIT			**KIT-100PFY1E8D**	**KIT-125PFY1E8D**	**KIT-140PFY1E8D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	10,00 (2,70 - 11,50)	12,50 (3,80 - 13,50)	14,00 (3,30 - 15,50)
EER [1]	Nominal (Min - Max)	W/W	3,01 (5,09 - 2,74)	3,05 (4,22 - 2,70)	3,22 (3,93 - 2,58)
SEER [2]			**5,20 A**	**5,10**	**5,31**
Pdesign		kW	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	3,32 (0,53 - 4,20)	4,10 (0,90 - 5,00)	4,35 (0,84 - 6,00)
Annual energy consumption [3]		kWh/a	673	—	—
Heating capacity	Nominal (Min - Max)	kW	10,00 (2,10 - 13,80)	12,50 (3,40 - 15,00)	14,00 (4,10 - 16,00)
Heating capacity at -7°C / -15°C [4]		kW	— / —	11,00 / —	12,32 / —
COP [1]	Nominal (Min - Max)	W/W	3,80 (5,12 - 3,45)	3,82 (4,66 - 3,41)	3,91 (4,56 - 3,08)
SCOP [2]			**3,80 A**	**3,60**	**3,53**
Pdesign at -10°C		kW	9,50	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	2,63 (0,41 - 4,00)	3,27 (0,73 - 4,40)	3,58 (0,90 - 5,20)
Annual energy consumption [3]		kWh/a	3500	—	—
Indoor unit			**S-100PF1E5B**	**S-125PF1E5B**	**S-140PF1E5B**
External static pressure [5]	Nominal (Min - Max)	Pa	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	32 / 26 / 21	34 / 29 / 23	36 / 32 / 25
Sound pressure [6]	Hi / Med / Lo	dB(A)	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Dimension	H x W x D	mm	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	45	45	45
Outdoor unit			**U-100PEY1E8**	**U-125PEY1E8**	**U-140PEY1E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	16	16	16
Connection indoor / outdoor		mm²	2,5	2,5	2,5
Current	Cool	A	5,10 / 4,85 / 4,70	6,20 / 5,90 / 5,70	6,75 / 6,45 / 6,25
	Heat	A	4,05 / 3,80 / 3,65	4,90 / 4,65 / 4,50	5,60 / 5,40 / 5,20
Air volume	Cool / Heat	m³/min	76 / 67	80 / 73	135 / 120
Sound pressure	Cool / Heat (Hi)	dB(A)	54 / 54	56 / 56	54 / 53
Dimension	H x W x D	mm	996 x 940 x 340	996 x 940 x 340	1416 x 940 x 340
Net weight		kg	73	85	98
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [7]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	50	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,60 / 5,4288	3,20 / 6,6816	3,40 / 7,0992
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Heating capacity is calculated including defrost factor correction. 5) Medium external static pressure setting from factory. 6) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 7) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

SEER and SCOP: KIT-60PFY1E5D. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite Low Static Pressure Hide Away Inverter+ • R410A GAS

The depth of only 250mm provides greater installation flexibility and the unit can be used in more applications. Ideal for sites with narrow ceiling voids.

High heating capacity at -7°C.

Ultra-slim profile: 250mm height for all models.

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase						
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-36PN1E5C**	**KIT-50PN1E5C**	**KIT-60PN1E5C**	**KIT-71PN1E5C**	**KIT-100PN1E5C**	**KIT-125PN1E5C**	**KIT-140PN1E5C**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)	6,00 (2,00 - 7,10)	7,10 (2,50 - 8,00)	10,00 (3,30 - 12,50)	12,50 (3,30 - 14,00)	14,00 (3,30 - 15,50)
EER [1]	Nominal (Min - Max)	W/W	3,75 (4,41 - 3,57)	3,21 (4,41 - 2,96)	3,24 (5,00 - 2,78)	3,30 (4,55 - 2,91)	3,75 (3,79 - 3,29)	3,21 (3,30 - 2,92)	3,01 (3,30 - 2,50)
SEER [2]			**4,60 B**	**4,60 B**	**5,50 A**	**5,50 A**	**5,90 A+**	**5,44**	**5,27**
Pdesign		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	0,96 (0,34 - 1,12)	1,56 (0,34 - 1,89)	1,85 (0,40 - 2,55)	2,15 (0,55 - 2,75)	2,67 (0,87 - 3,80)	3,89 (1,00 - 4,80)	4,65 (1,00 - 6,20)
Annual energy consumption [3]		kWh/a	274	380	382	452	583	—	—
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)	7,00 (1,80 - 8,00)	8,00 (2,00 - 9,00)	11,20 (4,10 - 14,00)	14,00 (4,10 - 16,00)	16,00 (4,10 - 18,00)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —	— / —	7,52	12,04	13,48	14,24
COP [1]	Nominal (Min - Max)	W/W	4,30 (5,17 - 4,00)	3,81 (5,17 - 3,49)	3,74 (5,14 - 3,64)	3,54 (4,00 - 3,08)	3,80 (4,18 - 3,11)	3,61 (3,90 - 2,96)	3,41 (3,90 - 2,95)
SCOP [2]			**3,80 A**	**3,80 A**	**3,80 A**	**3,80 A**	**3,90 A**	**3,66**	**3,58**
Pdesign at -10°C		kW	3,60	3,80	5,60	6,20	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	0,93 (0,29 - 1,25)	1,47 (0,29 - 1,86)	1,87 (0,35 - 2,20)	2,26 (0,50 - 2,92)	2,95 (0,98 - 4,50)	3,88 (1,05 - 5,40)	4,69 (1,05 - 6,10)
Annual energy consumption [3]		kWh/a	1326	1478	2061	2458	3590	—	—
Indoor unit			**S-36PN1E5B**	**S-50PN1E5B**	**S-60PN1E5B**	**S-71PN1E5B**	**S-100PN1E5B**	**S-125PN1E5B**	**S-140PN1E5B**
External static pressure [5]	Nominal (Min - Max)	Pa	25 (10 - 80)	25 (10 - 80)	25 (10 - 80)	25 (10 - 80)	40 (10 - 80)	50 (10 - 80)	50 (10 - 80)
Air volume	Cool / Heat	m³/min	14 / 12 / 10	16 / 13 / 11	22 / 20 / 16	22 / 20 / 16	36 / 33 / 26	38 / 35 / 28	40 / 37 / 30
Sound pressure [6]	Hi / Med / Lo	dB(A)	40 / 38 / 35	41 / 39 / 35	43 / 41 / 36	43 / 41 / 36	44 / 42 / 37	45 / 43 / 38	46 / 44 / 39
Dimension	H x W x D	mm	250 x 780 x 650	250 x 780 x 650	250 x 1000 x 650	250 x 1000 x 650	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight		kg	29	29	32	32	41	41	41
Outdoor unit			**U-36PE2E5A**	**U-50PE2E5A**	**U-60PE2E5A**	**U-71PE1E5A**	**U-100PE1E5A**	**U-125PE1E5A**	**U-140PE1E5A**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Recommended fuse		A	—	—	—	20	25	30	16
Connection indoor / outdoor		mm²	—	—	—	2,5	4	6	2,5
Current	Cool	A	4,35 / 4,15 / 3,95	7,00 / 6,65 / 6,35	8,60 / 8,30 / 7,90	9,70 / 9,40 / 9,20	11,60 / 11,20 / 10,90	17,40 / 16,90 / 16,40	20,50 / 20,10 / 19,50
	Heat	A	4,10 / 4,00 / 3,80	6,60 / 6,30 / 6,05	8,75 / 8,35 / 8,00	10,20 / 9,90 / 9,70	12,80 / 12,50 / 12,20	17,30 / 16,80 / 16,30	20,60 / 20,20 / 19,60
Air volume	Cool / Heat	m³/min	38 / 38	38 / 41	38 / 41	60 / 60	110 / 95	130 / 110	135 / 120
Sound pressure	Cool / Heat (Hi)	dB(A)	45 / 46	46 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 55
Dimension [7]	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	39	39	40	69	98	98	98
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 75	5 ~ 75	5 ~ 75
Elevation difference (in/out) [8]		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	40	50	50	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	1,40 / 2,9232	1,40 / 2,9232	1,95 / 4,0716	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption

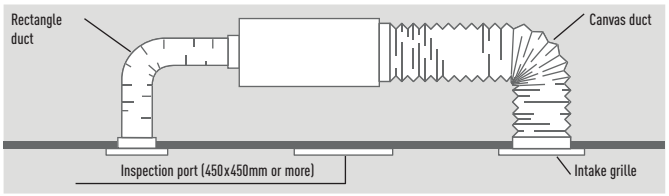
Accessories	
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
PAW-WPH7	Wind protection shield for U-100/125/140PE1E5A/8A and U-140PEY1E8
PAW-WPH9	Wind protection shield for U-71PE1E5A/8A and U-100/125PEY1E5/8
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

- Automatic learning function for the required static pressure on site during commissioning (a standard wired remote controller is required. S-60/71/100/125/140PN1E5B models only)
- Compact indoor units without loosing static pressure (only 250mm high)
- 50 Pa static pressure
- Easy maintenance and service via external electrical box
- 3 speed centrifugal fan through wired or Infrared remote controller
- DC FAN for better efficiency and control
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

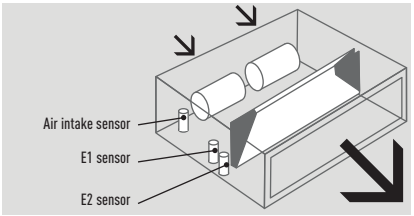
System Example

An inspection port (450mmx450mm or more) is required at the control-box side of the indoor unit body.



Cold Drafts Reduction at Heating

Accurate DX Coil temperature measurement by E1 and E2 sensor to reduce cold drafts at heating and increasing efficiency and comfort.



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

			Three Phase			
			7,10kW	**10,00kW**	**12,50kW**	**14,00kW**
KIT			**KIT-71PN1E8C**	**KIT-100PN1E8C**	**KIT-125PN1E8C**	**KIT-140PN1E8C**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,50 - 8,00)	10,00 (3,30 - 12,50)	12,50 (3,30 - 14,00)	14,00 (3,30 - 15,50)
EER [1]	Nominal (Min - Max)	W/W	3,30 (3,79 - 2,91)	3,75 (3,79 - 3,29)	3,21 (3,30 - 2,92)	3,01 (3,30 - 2,50)
SEER [2]			**5,10 A**	**5,60 A+**	**5,44**	**5,27**
Pdesign		kW	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	2,15 (0,66 - 2,75)	2,67 (0,87 - 3,80)	3,89 (1,00 - 4,80)	4,65 (1,00 - 6,20)
Annual energy consumption [3]		kWh/a	487	621	—	—
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 - 9,00)	11,20 (4,10 - 14,00)	14,00 (4,10 - 16,00)	16,00 (4,10 - 18,00)
Heating capacity at -7°C / -15°C [4]		kW	7,52	12,04	13,48	14,24
COP [1]	Nominal (Min - Max)	W/W	3,54 (3,33 - 3,00)	3,80 (4,18 - 3,11)	3,61 (3,90 - 2,96)	3,41 (3,90 - 2,95)
SCOP [2]			**3,80 A**	**3,80 A**	**3,66**	**3,58**
Pdesign at -10°C		kW	6,20	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	2,26 (0,60 - 3,00)	2,95 (0,98 - 4,50)	3,88 (1,05 - 5,40)	4,69 (1,05 - 6,10)
Annual energy consumption [3]		kWh/a	2284	3684	—	—
Indoor unit			**S-71PN1E5B**	**S-100PN1E5B**	**S-125PN1E5B**	**S-140PN1E5B**
External static pressure [5]	Nominal (Min - Max)	Pa	25 (10 - 80)	40 (10 - 80)	50 (10 - 80)	50 (10 - 80)
Air volume	Cool / Heat	m³/min	22 / 20 / 16	36 / 33 / 26	38 / 35 / 28	40 / 37 / 30
Sound pressure [6]	Hi / Med / Lo	dB(A)	43 / 41 / 36	44 / 42 / 37	45 / 43 / 38	46 / 44 / 39
Dimension	H x W x D	mm	250 x 1000 x 650	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight		kg	32	41	41	41
Outdoor unit			**U-71PE1E8A**	**U-100PE1E8A**	**U-125PE1E8A**	**U-140PE1E8A**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	16	16	16	16
Connection indoor / outdoor		mm²	2,5	2,5	2,5	2,5
Current	Cool	A	3,25 / 3,10 / 3,00	3,95 / 3,75 / 3,60	5,80 / 5,50 / 5,30	6,95 / 6,60 / 6,35
	Heat	A	3,35 / 3,20 / 3,10	4,35 / 4,15 / 4,00	5,80 / 5,50 / 5,30	7,00 / 6,65 / 6,45
Air volume	Cool / Heat	m³/min	60 / 60	110 / 95	130 / 110	135 / 120
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 55
Dimension [7]	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	71	98	98	98
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 75	5 ~ 75	5 ~ 75
Elevation difference (in/out) [8]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	50	50	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Heating capacity is calculated including defrost factor correction. 5) Medium external static pressure setting from factory. 6) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 7) Add 100mm for piping port. 8) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

A+ 5,90 SEER | A 3,90 SCOP | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | DC FAN | FILTER INCLUDED | R22 → R410A R22 RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: KIT-100PN1E5C. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard Low Static Pressure Hide Away Inverter+ • R410A GAS

The depth of only 250mm provides greater installation flexibility and the unit can be used in more applications. Ideal for sites with narrow ceiling voids.

Ultra-slim profile: 250mm height for all models.

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase			
			6,00kW	7,10kW	10,00kW	12,50kW
KIT			**KIT-60PNY1E5C**	**KIT-71PNY1E5C**	**KIT-100PNY1E5C**	**KIT-125PNY1E5C**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,00 (2,00 - 7,10)	7,10 (2,00 - 7,70)	10,00 (2,70 - 11,50)	12,50 (3,80 - 13,50)
EER [1]	Nominal (Min - Max)	W/W	3,21 (5,00 - 2,78)	2,76 (5,00 - 2,48)	2,81 (4,74 - 2,67)	2,81 (4,00 - 2,60)
SEER [2]			**4,80 B**	**5,10 A**	**5,30 A**	**4,95**
Pdesign		kW	6,00	7,10	10,00	12,50
Input power cooling	Nominal (Min - Max)	kW	1,87 (0,40 - 2,55)	2,57 (0,40 - 3,10)	3,56 (0,57 - 4,30)	4,45 (0,95 - 5,20)
Annual energy consumption [3]		kWh/a	437	487	660	—
Heating capacity	Nominal (Min - Max)	kW	6,00 (1,80 - 7,00)	7,10 (1,80 - 8,10)	10,00 (2,10 - 13,80)	12,50 (3,40 - 15,00)
Heating capacity at -7°C / -15°C [4]		kW	— / —	— / —	9,97	10,97
COP [1]	Nominal (Min - Max)	W/W	3,73 (5,14 - 3,78)	3,70 (5,14 - 3,31)	3,41 (4,67 - 3,37)	3,41 (4,36 - 3,26)
SCOP [2]			**3,80 A**	**3,80 A**	**3,80 A**	**3,52**
Pdesign at -10°C		kW	5,60	5,60	7,60	12,50
Input power heating	Nominal (Min - Max)	kW	1,61 (0,35 - 1,85)	1,92 (0,35 - 2,45)	2,94 (0,45 - 4,10)	3,67 (0,78 - 4,60)
Annual energy consumption [3]		kWh/a	2061	2061	2800	—
Indoor unit			**S-60PN1E5B**	**S-71PN1E5B**	**S-100PN1E5B**	**S-125PN1E5B**
External static pressure [5]	Nominal (Min - Max)	Pa	25 (10 - 80)	25 (10 - 80)	40 (10 - 80)	50 (10 - 80)
Air volume	Cool / Heat	m³/min	22 / 20 / 16	22 / 20 / 16	36 / 33 / 26	38 / 35 / 28
Sound pressure [6]	Hi / Med / Lo	dB(A)	43 / 41 / 36	43 / 41 / 36	44 / 42 / 37	45 / 43 / 38
Dimension	H x W x D	mm	250 x 1000 x 650	250 x 1000 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight		kg	32	32	41	41
Outdoor unit			**U-60PEY2E5**	**U-71PEY2E5**	**U-100PEY1E5**	**U-125PEY1E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Recommended fuse		A	—	—	25	30
Connection indoor / outdoor		mm²	—	—	4	6
Current	Cool	A	8,70 / 8,40 / 8,00	12,10 / 11,60 / 11,20	16,00 / 15,30 / 14,80	20,10 / 19,30 / 18,70
	Heat	A	7,40 / 7,10 / 6,80	9,00 / 8,60 / 8,25	13,00 / 12,50 / 12,10	16,50 / 15,80 / 15,20
Air volume	Cool / Heat	m³/min	38 / 41	44 / 41	110 / 95	80 / 73
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	56 / 56
Dimension [7]	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	996 x 940 x 340
Net weight		kg	40	40	73	85
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50
Elevation difference (in/out) [8]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	40	40	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	1,95 / 4,0716	1,95 / 4,0716	2,60 / 5,4288	3,20 / 6,6816
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption

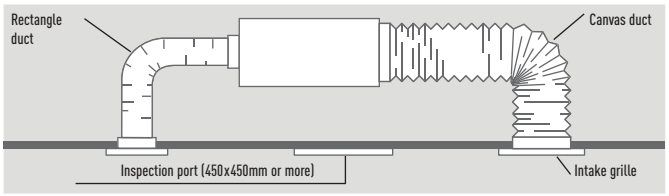
Accessories	
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
PAW-WPH7	Wind protection shield for U-100/125/140PE1E5A/8A and U-140PEY1E8
PAW-WPH9	Wind protection shield for U-71PE1E5A/8A and U-100/125PEY1E5/8
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

Technical focus

- Automatic learning function for the required static pressure on site during commissioning (a standard wired remote controller is required. S-60/71/100/125/140PN1E5B models only)
- Compact indoor units without loosing static pressure (only 250mm high)
- 50 Pa static pressure
- Easy maintenance and service via external electrical box
- 3 speed centrifugal fan through wired or Infrared remote controller
- DC FAN for better efficiency and control
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit

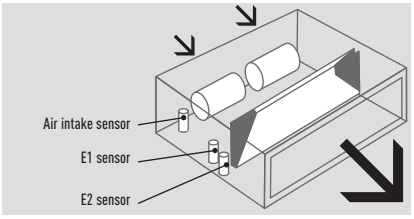
System Example

An inspection port (450mmx450mm or more) is required at the control-box side of the indoor unit body.



Cold Drafts Reduction at Heating

Accurate DX Coil temperature measurement by E1 and E2 sensor to reduce cold drafts at heating and increasing efficiency and comfort.



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

			Three Phase		
			10,00kW	12,50kW	14,00kW
KIT			**KIT-100PNY1E8C**	**KIT-125PNY1E8C**	**KIT-140PNY1E8C**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	10,00 (2,70 - 11,50)	12,50 (3,80 - 13,50)	14,00 (3,30 - 15,50)
EER [1]	Nominal (Min - Max)	W/W	2,81 (4,74 - 2,67)	2,81 (4,00 - 2,60)	2,98 (3,93 - 2,58)
SEER [2]			**5,20 A**	**4,95**	**5,18**
Pdesign		kW	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	3,56 (0,57 - 4,30)	4,45 (0,95 - 5,20)	4,70 (0,84 - 6,00)
Annual energy consumption [3]		kWh/a	673	—	—
Heating capacity	Nominal (Min - Max)	kW	10,00 (2,10 - 13,80)	12,50 (3,40 - 15,00)	14,00 (4,10 - 16,00)
Heating capacity at -7°C / -15°C [4]		kW	9,97	10,97	13,35
COP [1]	Nominal (Min - Max)	W/W	3,41 (4,67 - 3,37)	3,41 (4,36 - 3,26)	3,52 (4,56 - 3,08)
SCOP [2]			**3,80 A**	**3,52**	**3,52**
Pdesign at -10°C		kW	7,60	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	2,94 (0,45 - 4,10)	3,67 (0,78 - 4,60)	3,88 (1,05 - 5,40)
Annual energy consumption [3]		kWh/a	2800	—	—
Indoor unit			**S-100PN1E5B**	**S-125PN1E5B**	**S-140PN1E5B**
External static pressure [5]	Nominal (Min - Max)	Pa	40 (10 - 80)	50 (10 - 80)	50 (10 - 80)
Air volume	Cool / Heat	m³/min	36 / 33 / 26	38 / 35 / 28	40 / 37 / 30
Sound pressure [6]	Hi / Med / Lo	dB(A)	44 / 42 / 37	45 / 43 / 38	46 / 44 / 39
Dimension	H x W x D	mm	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight		kg	41	41	41
Outdoor unit			**U-100PEY1E8**	**U-125PEY1E8**	**U-140PEY1E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	16	16	16
Connection indoor / outdoor		mm²	2,5	2,5	2,5
Current	Cool	A	5,45 / 5,20 / 5,05	6,85 / 6,50 / 6,25	7,05 / 6,50 / 6,45
	Heat	A	4,45 / 4,25 / 4,10	5,55 / 5,30 / 5,10	5,90 / 5,60 / 5,40
Air volume	Cool / Heat	m³/min	76 / 67	80 / 73	135 / 120
Sound pressure	Cool / Heat (Hi)	dB(A)	54 / 54	56 / 56	54 / 53
Dimension [7]	H x W x D	mm	996 x 940 x 340	996 x 940 x 340	1416 x 940 x 340
Net weight		kg	73	85	98
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [8]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	50	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,60 / 5,4288	3,20 / 6,6816	3,40 / 7,0992
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Heating capacity is calculated including defrost factor correction. 5) Medium external static pressure setting from factory. 6) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 7) Add 100mm for piping port. 8) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

A 5,30 SEER | A 3,80 SCOP | INVERTER+ | -10°C COOLING MODE | -15°C HEATING MODE | DC FAN | FILTER INCLUDED | R22 → R410A R22 RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: KIT-100PNY1E5C. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PANASONIC PACi SERIES PE2

20,00 – 25,00kW is ideally suited for small, mid retail applications.
In addition to its light net weight and compact body, split-able Hide Away design newly developed enables easy piping work in narrow installation space.

Panasonic Big PACi, not only environmental friendly but also groundbreaking products

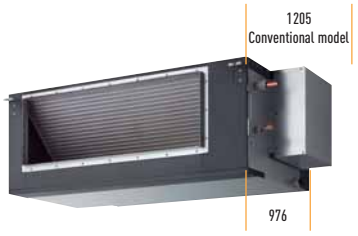
- High efficiency with Panasonic compressor as the driving force
- Compact & light indoor body
- Easy piping work with split-able Hide Away indoor design
- Separable indoor unit allows flexible installation to fit in narrow space
- Water Heat Exchanger compatibility
- Bluefin anti-rust coating
- Cloud Control compatible

Compact and light indoor body keeping high efficiency

15% lighter weight vs conventional model helps installation work drastically.

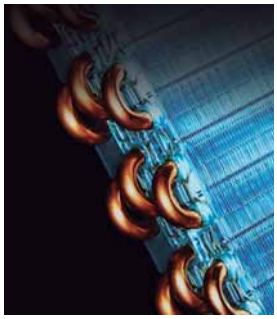
	Conventional model	New
20,00kW	100kg	**86kg**
25,00kW	104kg	**88kg**

DEPTH WAS REDUCED BY 230mm



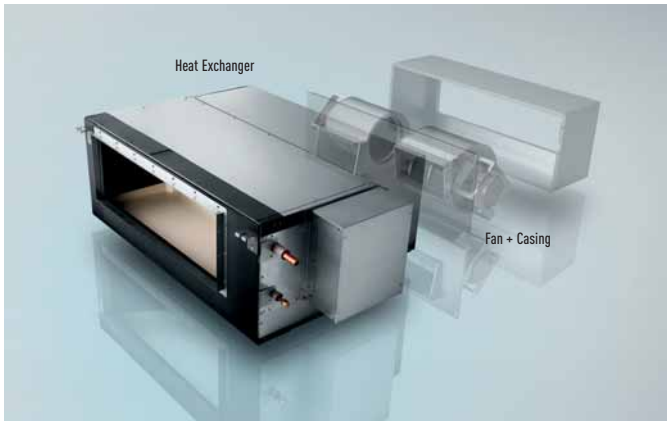
Heat Exchanger with blue coated fins

Blue coated fins for corrosion resistance are equipped as standard in all R32 PACi and R410A Big PACi models.



Easy piping work with split-able Hide Away indoor design

Part of heat exchanger and part of fan (fan + casing) can be separated while being installed.
The Hide Away indoor unit newly designed for easy reassemble totally fits in narrow space.



Water Heat Exchanger compatibility

New PACi Water Heat Exchanger is available to connect with Big PACi systems. Offering various possibilities for hydronic application, heating, cooling and DHW.

Cloud Control compatibility

Big PACi is compatible with Panasonic Cloud controls from wherever you are, 24/7/365.

Comfort cloud for end-users, owners

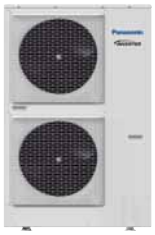
Panasonic

Panasonic AC Smart Cloud for professionals

PANASONIC AC SMART CLOUD

New Big PACi High Static Pressure Hide Away 20,00-25,00kW Inverter+ • R410A GAS

NEW 2019



CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

Big PACi has been introduced with full renewal of its indoor unit, offering hydronic application by PACi Water Heat Exchanger

Big PACi is useful and cost saving solution for small and mid size of projects, can be offered also with VRF system.
Compact and light indoor body keeping the high efficiency is split-able design for easy piping work at limited narrow space.

Technical focus

- Highly efficient with compact indoor body, -16kg lighter than conventional model (10HP)
- Split-able Hide Away indoor design for easy & flexible piping work
- Better partial load control with Panasonic compressor
- Bluefin anti-rust coating
- PACi Water Heat Exchanger compatible
- Panasonic cloud control compatible
- 0-10V demand control

			Three Phase	
			20,00kW	**25,00kW**
KIT			**KIT-200PE3E5D**	**KIT-250PE3E5D**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	19,50 (5,40 - 21,00)	23,20 (6,30 - 27,00)
EER [1]		W/W	3,10	3,00
SEER [2]			**5,11**	**4,81**
Pdesign		kW	19,50	23,20
Input power cooling		kW	6,29	7,73
Heating capacity	Nominal (Min - Max)	kW	22,40 (5,60 - 25,00)	28,00 (7,10 - 29,00)
COP [1]		W/W	3,60	3,39
SCOP [2]			**3,57**	**3,60**
Pdesign at -10°C		kW	17,00	20,00
Input power heating		kW	6,22	8,27
Indoor unit			**S-200PE3E5B**	**S-250PE3E5B**
Power source		V / ph / Hz	220 - 230 - 240 / 1 / 50	220 - 230 - 240 / 1 / 50
External static pressure at shipment (with booster cable) [3]		Pa	75 - 120 - 180	75 - 130 - 200
Air volume	Hi / Med / Lo	m³/min	72 / 63 / 53	84 / 72 / 59
Sound pressure [4]	Hi / Med / Lo	dB(A)	46 / 44 / 41	47 / 45 / 42
Dimension	H x W x D	mm	486 x 1456 x 916	486 x 1456 x 916
Net weight		kg	86	88
Outdoor unit			**U-200PE2E8A**	**U-250PE2E8A**
Power source		V / ph / Hz	380 - 400 - 415 / 3 / 50	380 - 400 - 415 / 3 / 50
Recommended fuse		A	15	20
Air volume	Cool / Heat	m³/min	164	160
Sound pressure	Cool / Heat (Hi)	dB(A)	60 / 62	61 / 63
Dimension [5]	H x W x D	mm	1500 x 980 x 370	1500 x 980 x 370
Net weight		kg	127	138
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	1/2 (12,70)
	Gas pipe	Inch (mm)	1 (25,40)	1 (25,40)
Pipe length range		m	5 ~ 120	5 ~ 120
Elevation difference (in/out) [6]		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	50	80
Refrigerant (R410A) / CO_2 Eq.		kg / T	5,60 / 11,6928	6,40 / 13,3632
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller

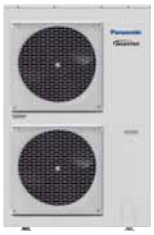
Accessories	
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	**NEW** Commercial WLAN Adaptor

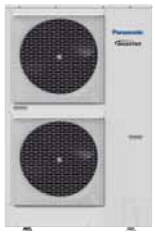
1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) Low external static pressure setting from factory. 4) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) Add 100mm for indoor unit or 70mm for outdoor unit for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit. * No filter included.* These models will be available in May 2019.

INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.


U-71PE1E5A
U-71PE1E8A


U-100PE1E5A
U-100PE1E8A
U-125PE1E5A
U-125PE1E8A
U-140PE1E5A
U-140PE1E8A


U-200PE2E8A
U-250PE2E8A

PACi Elite Outdoor Units • R410A Gas

			7,10kW	10,00kW	12,50kW	14,00kW	20,00kW	25,00kW
Outdoor unit Single Phase			**U-71PE1E5A**	**U-100PE1E5A**	**U-125PE1E5A**	**U-140PE1E5A**	**—**	**—**
Outdoor unit Three Phase			**U-71PE1E8A**	**U-100PE1E8A**	**U-125PE1E8A**	**U-140PE1E8A**	**U-200PE2E8A**	**U-250PE2E8A**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,50 - 8,00)	10,00 (3,30 - 12,50)	12,50 (3,30 - 14,00)	14,00 (3,30 - 15,50)	20,00 (6,00 - 22,40)	25,00 (6,00 - 28,00)
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 - 9,00)	11,20 (4,10 - 14,00)	14,00 (4,10 - 16,00)	16,00 (4,10 - 18,00)	21,80 (6,00 - 22,40)	28,00 (6,00 - 31,50)
Power source	Single Phase	V	220 / 240	220 / 240	220 / 240	220 / 240	—	—
	Three Phase	V	380 / 415	380 / 415	380 / 415	380 / 415	380 / 415	380 / 415
Connection indoor / outdoor		mm²	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5	—	—
Air volume	Cool / Heat	m³/min	60 / 60	110 / 95	130 / 110	135 / 120	129	118
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 55	57 / 57	57 / 58
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1500 x 980 x 370	1500 x 980 x 370
Net weight		kg	69	98	98	98	118	128
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	1 (25,40)	1 (25,40)
Pipe length range	Min ~ Max	m	5 ~ 50	5 ~ 75	5 ~ 75	5 ~ 75	5 ~ 100	5 ~ 100
Elevation difference (in/out)	Max	m	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30		
Additional gas amount		g/m	50	50	50	50		
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992	5,60 / 11,6928	6,40 / 13,3632
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +15	-20 ~ +15


U-71PEY2E5


U-100PEY1E5
U-100PEY1E8
U-125PEY1E5
U-125PEY1E8


U-140PEY1E8

PACi Standard Outdoor Units • R410A Gas

			7,10kW	10,00kW	12,50kW	14,00kW
Outdoor unit Single Phase			**U-71PEY2E5**	**U-100PEY1E5**	**U-125PEY1E5**	**—**
Outdoor unit Three Phase			**—**	**U-100PEY1E8**	**U-125PEY1E8**	**U-140PEY1E8**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,00 - 7,70)	10,00 (2,70 - 11,50)	12,50 (3,80 - 13,50)	14,00 (3,30 - 15,50)
Heating capacity	Nominal (Min - Max)	kW	7,10 (1,80 - 8,10)	10,00 (2,10 - 13,80)	12,50 (3,40 - 15,00)	14,00 (4,10 - 16,00)
Power source	Single Phase	V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	—
	Three Phase	V	—	380 / 400 / 415	380 / 400 / 415	380 / 415
Connection indoor / outdoor		mm²	2,5	4,0	6,0	2,5
Air volume	Cool / Heat	m³/min	44 / 41	110 / 95	80 / 73	135 / 120
Sound pressure	Cool / Heat (Hi)	dB(A)	49 / 49	52 / 52	56 / 56	54 / 53
Dimension	H x W x D	mm	619 x 799 x 299	996 x 940 x 340	996 x 940 x 340	1416 x 940 x 340
Net weight		kg	40	73	85	98
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range	Min ~ Max	m	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out)	Max	m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	40	50	50	50
Refrigerant (R410A) / CO_2 Eq.		kg / T	1,95 / 4,0716	2,60 / 5,4288	3,20 / 6,6816	3,40 / 7,0992
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24





Wall	Indoor	Cooling capacity	Heating capacity	Dimension	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	dB(A)	m³/min
3,60kW	S-36PK2E5B	3,60	4,20	302 x 1120 x 236	35/31/27	11,00/9,50/7,50
4,50kW	S-45PK2E5B	4,50	5,20	302 x 1120 x 236	38/34/30	12,00/10,50/8,50
5,00kW	S-50PK2E5B	5,00	5,60	302 x 1120 x 236	40/36/32	14,00/12,00/10,50
6,00kW	S-60PK2E5B	6,00	7,00	302 x 1120 x 236	47/44/40	18,00/14,50/11,50
7,10kW	S-71PK2E5B	7,10	8,00	302 x 1120 x 236	47/44/40	18,00/14,50/11,50
10,00kW	S-100PK2E5B	10,00	11,20	302 x 1120 x 236	47/44/40	19,00/16,50/13,00

4 Way 60x60 Cassette	Indoor (Panels CZ-KPY3AW / CZ-KPY3BW)	Cooling capacity	Heating capacity	Dimension: Indoor / CZ-KPY3AW / CZ-KPY3BW	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Lo
		kW	kW	mm	dB(A)	m³/min
3,60kW	S-36PY2E5B	3,60	4,20	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	36/32/26	9,70/9,90
4,50kW	S-45PY2E5B	4,50	5,20	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	38/34/28	10,00/10,30
5,00kW	S-50PY2E5B	5,00	5,60	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	40/37/33	11,10/11,10

4 Way 90x90 Cassette	Indoor (Panels CZ-KPU3W / CZ-KPU3AW)	Cooling capacity	Heating capacity	Dimension Indoor	Dimension Panel	Sound pressure	Air volume
				H x W x D	H x W x D	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	mm	dB(A)	m³/min
3,60kW	S-36PU2E5B	3,60	4,20	256 x 840 x 840	33,5 x 950 x 950	30/28/27	14,50/13,00/11,50
4,50kW	S-45PU2E5B	4,50	5,20	256 x 840 x 840	33,5 x 950 x 950	31/28/27	15,50/13,00/11,50
5,00kW	S-50PU2E5B	5,00	5,60	256 x 840 x 840	33,5 x 950 x 950	32/29/27	16,50/13,50/11,50
6,00kW	S-60PU2E5B	6,00	7,00	256 x 840 x 840	33,5 x 950 x 950	38/31/28	21,00/16,00/13,00
7,10kW	S-71PU2E5B	7,10	8,00	256 x 840 x 840	33,5 x 950 x 950	37/31/28	22,00/16,00/13,00
10,00kW	S-100PU2E5B	10,00	11,20	319 x 840 x 840	33,5 x 950 x 950	45/38/32	36,00/26,00/18,00
12,50kW	S-125PU2E5B	12,50	14,00	319 x 840 x 840	33,5 x 950 x 950	46/39/33	37,00/27,00/19,00
14,00kW	S-140PU2E5B	14,00	14,00	319 x 840 x 840	33,5 x 950 x 950	47/40/34	38,00/29,00/20,00

Ceiling	Indoor	Cooling capacity	Heating capacity	Dimension	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	dB(A)	m³/min
3,60kW	S-36PT2E5B	3,60	4,20	235 x 960 x 690	35/32/30	14,00/12,00/10,50
4,50kW	S-45PT2E5B	4,50	5,20	235 x 960 x 690	38/33/30	15,00/12,50/10,50
5,00kW	S-50PT2E5B	5,00	5,60	235 x 960 x 690	38/33/30	15,00/12,50/10,50
6,00kW	S-60PT2E5B	6,00	7,00	235 x 1275 x 690	39/36/33	20,00/17,00/14,50
7,10kW	S-71PT2E5B	7,10	8,00	235 x 1275 x 690	39/36/33	21,00/18,00/15,50
10,00kW	S-100PT2E5B	10,00	11,20	235 x 1590 x 690	42/38/35	30,00/25,00/23,00
12,50kW	S-125PT2E5B	12,50	14,00	235 x 1590 x 690	45/40/37	34,00/28,00/24,00
14,00kW	S-140PT2E5B	14,00	14,00	235 x 1590 x 690	47/41/37	35,00/29,00/25,00

High Static Pressure Hide Away	Indoor	Cooling capacity	Heating capacity	Dimension	External static pressure	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	Pa	dB(A)	m³/min
3,60kW	S-36PF1E5B	3,60	4,20	290 x 800 x 700	150/70/10	33/29/25	14,00/13,00/10,00
4,50kW	S-45PF1E5B	4,50	5,20	290 x 800 x 700	150/70/10	34/30/26	14,00/13,00/10,00
5,00kW	S-50PF1E5B	5,00	5,60	290 x 800 x 700	150/70/10	34/30/26	16,00/15,00/12,00
6,00kW	S-60PF1E5B	6,00	7,00	290 x 1000 x 700	150/70/10	35/32/26	21,00/19,00/15,00
7,10kW	S-71PF1E5B	7,10	8,00	290 x 1000 x 700	150/70/10	35/32/26	21,00/19,00/15,00
10,00kW	S-100PF1E5B	10,00	11,20	290 x 1400 x 700	150/100/10	38/34/31	32,00/26,00/21,00
12,50kW	S-125PF1E5B	12,50	14,00	290 x 1400 x 700	150/100/10	39/35/32	34,00/29,00/23,00
14,00kW	S-140PF1E5B	14,00	14,00	290 x 1400 x 700	150/100/10	40/36/33	36,00/32,00/25,00

Low Static Pressure Hide Away	Indoor	Cooling capacity	Heating capacity	Dimension	External static pressure	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	Pa	dB(A)	m³/min
3,60kW	S-36PN1E5B	3,60	4,20	250 x 780 x 650	80/50/10	40/38/35	14,00/12,00/10,00
4,50kW	S-45PN1E5B	4,50	5,20	250 x 780 x 650	80/50/10	41/39/35	16,00/13,00/11,00
5,00kW	S-50PN1E5B	5,00	5,60	250 x 780 x 650	80/50/10	41/39/35	16,00/13,00/11,00
6,00kW	S-60PN1E5B	6,00	7,00	250 x 1000 x 650	80/50/10	43/41/36	22,00/20,00/16,00
7,10kW	S-71PN1E5B	7,10	8,00	250 x 1000 x 650	80/50/10	43/41/36	22,00/20,00/16,00
10,00kW	S-100PN1E5B	10,00	11,20	250 x 1200 x 650	80/50/10	44/42/37	36,00/33,00/26,00
12,50kW	S-125PN1E5B	12,50	14,00	250 x 1200 x 650	80/50/10	46/44/39	38,00/35,00/28,00
14,00kW	S-140PN1E5B	14,00	14,00	250 x 1200 x 650	80/50/10	46/44/39	40,00/37,00/30,00

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PANASONIC VENTILATION SOLUTIONS

Panasonic ventilation solutions for maximum savings and easy integration.

AHU Kit connects PACi outdoor units to Air Handling Units system [1)]

AHU Kit combines air conditioning and fresh air in just one solution.
The Panasonic AHU Kits offer a wealth of connectivity possibilities so can be easily integrated into many systems.
Besides the advantages in terms of indoor air quality, air conditioning offers also an energy saving potential. For example, while uncontrolled ventilation through open windows leads to large amounts of heat being lost to the outside during the heating season or gained from the outside during the cooling season, air conditioning systems provide possibilities to utilize the extra "free" energy in heat recovery modules so that overall operating costs will be reduced.
The larger area of the comfort range, the better the energy saving opportunities.
Application: Hotels, offices, server rooms or all large buildings where air quality control such as humidity control and fresh air and is needed.
Heat exchanger, Fan & Fan motor to be mounted in AHU Kit shall be provided in the field.
Contents of kit: Control for PCB and sensors.

1) Compatible with R32 models. Special setting is required.

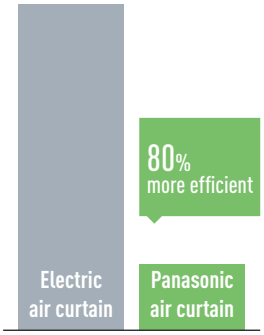
Air Curtain with DX Coil

Highly efficient heating effect

The combined air stream, which has a desirable low air current induction factor (mixing factor), can carry the selected initial temperature effect over long distances, and will reach the floor area while still at room temperature. This is necessary to avoid cooling down the interior spaces.

The Panasonic range of air curtains is designed for smooth operation and efficient performance. Air curtains produce a continuous stream of air blown from the top to the bottom of an open doorway and create a barrier that people and products can flow across, but air can't. Designed to improve energy efficiency, minimise heat loss from a building, and to allow retailers to keep doors open to encourage customers, our Air Curtains are suitable for connection to both VRF and PACi Systems.

Heating capacity comparison: Electrical air curtain / Panasonic air curtain



* With the U-100PZH2E5 on the PAW-20PAIRC-LS. Calculation method: Taking as consideration SCOP of the Panasonic combination of 6.0. If 100 is the energy needed for a air curtain, Panasonic Air curtain will need 1/(1-6)*100=20.

Electric Air Curtain

1 Newly designed to maximize performance

High Air volume upgraded 145% compared to conventional model (in the case of FY-3009U1).

2 Comprehensive product line up

1,5m wide model added in the line up.

3 Easier installation & maintenance

Simple structure for easy installation & maintenance.

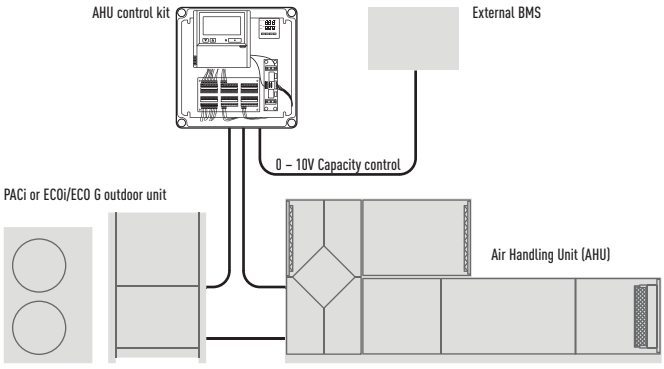
			FY-3009U1	FY-3012U1	FY-3015U1
Width		mm	900	1200	1500
Voltage		V	220	220	220
Air volume	Hi / Lo	m³/h	1100/920	1400/1270	2000/1800
Consumption	Hi / Lo	W	76/70	94/85	131/110
Current	Hi / Lo	A	0,35/0,32	0,43/0,40	0,59/0,50
Air speed	Hi / Lo	m/s	10,50/8,50	9,50/8,00	10,50/9,50
Dimension	H x W x D	mm	900 x 231,5 x 212	1200 x 231,5 x 212	1500 x 231,5 x 212
Weight		kg	12,0	14,5	18,0
Sound pressure		dB(A)	48,5/45,0	48,5/44,5	51,5/48,0

Air Handling Unit Kit 5,00-25,00kW for PACi. Compatible with R32 or R410A outdoor units

Panasonic AHU Kit, 5,00-25,00kW connected to PACi outdoor unit

The Air Handling Unit Kit has been developed to better meet customer demand: IP 65 Box in order to be installed outside, 0-10V demand control* and easy control by BMS

* Only available with PACi Elite, from 5kW to 25kW.



Demand control on the outdoor unit managed by external 0–10 V signal.

Control option 1: PAW-280PAH2L
- The system's control is simple: control of actual suction temperature vs. set point
- Control works in the same way as that of any indoor unit
- Fan signal issued by the PCB (OFF while defrosting, for instance)

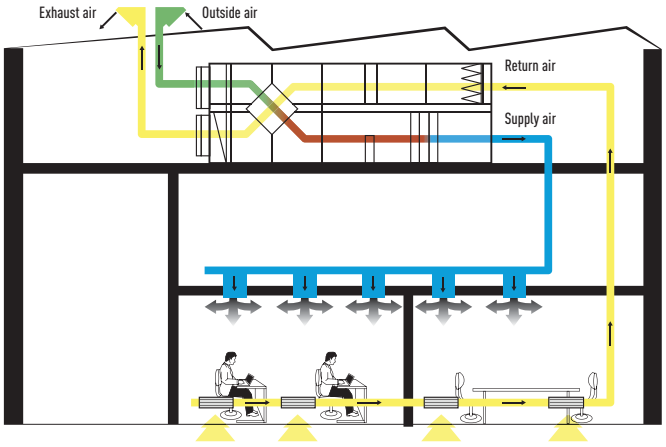
Control option 2: PAW-280PAH2
- System control by probe located at air intake. Sensor works as a 0–10V control thermostat which manages the set point temperature. Control to prevent cold draughts.
- All signals as per standard

Control option 3: PAW-280PAH2
- System control by external environment probe. Sensor works as a 0–10V control thermostat which manages the set point temperature. Enhances efficiency by adjusting capacity to the ambient temperature and enhances comfort as well.
- All signals as per standard

Control option 4: PAW-280PAH2
- System control by a 0–10V control working from an external BMS that manages the set point for the temperature or the capacity. Enhances efficiency by adjusting capacity and enhances comfort as well.
- All signals as per standard

Main components of mechanical ventilation systems

The main components of a mechanical ventilation system are the following: Air Handling Unit (AHU), air ducts and air distribution elements.



0-10V control

With the 0-10 v demand control the capacity of the outdoor unit can be controlled by 20 steps.

Input Voltage* (V)	0	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0	7,5	8,0	8,5	9,0	9,5
Demand (% of nominal current)	No cut [1]	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	No limit / Full capacity [2]
Indoor unit start / stop	Stop [1]	Start																	

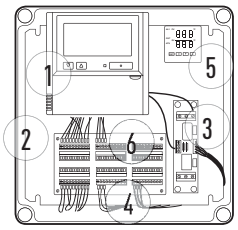
1) No cut/Stop: AHU system / indoor unit is completely switched OFF.
2) No Limit: No restrictions applied by BMS to AHU system / indoor unit performance (equivalent to "full-load operation" of AHU system / indoor unit).

AHU Kit connects PACi outdoor units to Air Handling Units system.
The Panasonic AHU Kits offer a wealth of connectivity possibilities so can be easily integrated into many systems.
Application: Hotels, offices, server rooms or all large buildings where air quality control such as humidity control and fresh air and is needed.

3 types of AHU Kit: Deluxe, Medium and Light.

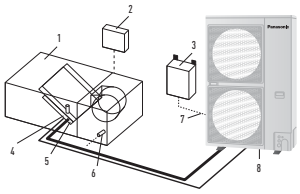
Model Code	IP 65	0-10V demand control*	Outdoor temperature shift compensation. Cold draft prevention
PAW-280PAH2	Yes	Yes	Yes
PAW-280PAH2M	Yes	Yes	No
PAW-280PAH2L	Yes	No	No

* With CZ-CAPBC2.



1. Remote control CZ-RTC4
2. New plastic IP 65 Box
3. PAW-T10 PCB for Dry Contact
4. 0-10V demand control PCB
5. Intelligent thermostat for:
   - Cold draft prevention
   - Outdoor temperature shift compensation
6. Terminal base for sensors and power supply

System & regulations. System overview
1. AHU Kit equipment (Field supplied)
2. AHU Kit system controller (Field supplied)
3. AHU Kit controller box (with control PCB)
4. Thermistor for Gas pipe (E2)
5. Thermistor for Liquid pipe (E1)
6. Thermistor for Suction air
7. Inter-unit wiring
8. Outdoor unit



AHU Connection Kit


PCB, Power trans, Terminal block


Thermistor x2 (Refrigerant: E1, E2)


Thermistor (Air: TA; 1 sensor)


Standard wired remote controller.

Optional parts: Following functions are available by using different control accessories:

CZ-RTC4 Timer remote controller.
- Operation-ON/OFF
- Mode select
- Temperature setting

* Fan operation signal can be taken from the PCB.

PAW-OCT, DC12 V outlet. OPTION terminal.
- Output signal= Cooling/Heating/Fan status
- Defrost
- Thermostat-ON

CZ-CAPBC2 Mini seri-para I/O unit (advanced version only).
- Easy integration in external AHU control systems and BMS
- Demand control: 40 to 115 % (5 % steps) of nominal current by 0–10 V input signal*
- Target temperature setting by 0–10 V or 0–140 Ω input signal*
- Mode select or/and ON/OFF control
- Fan operation control
- Operation status output/ Alarm output
- Thermostat ON/OFF control

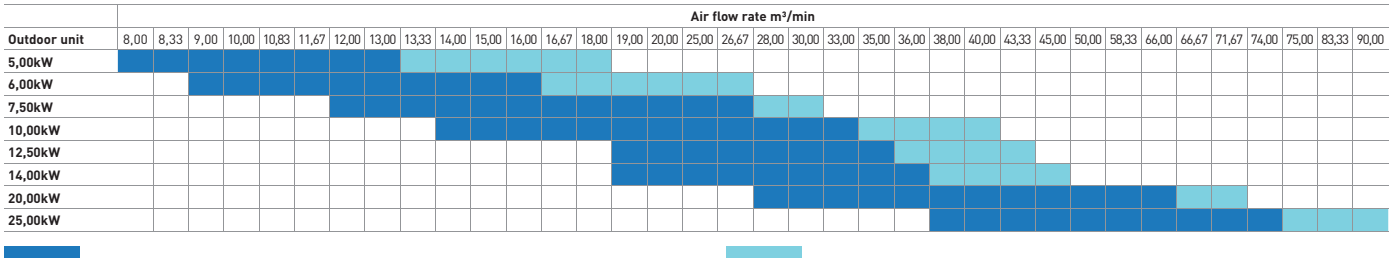
* Demand control by external BMS cannot be combined with the demand control or target temperature setting accomplished by the thermostat. However, if simultaneous demand control and target temperature setting is needed, this can only be achieved by using a second (optional) CZ-CAPBC2 interface.

CZ-T10 terminal / PAW-T10 PCB to connect to T10 connector.
- A Dry contact PCB has been developed to easily control the unit
- Input signal operation ON/OFF
- Remote control prohibition
- Output signal Operation ON status maximum 230 V 5 A (NO/NC)
- Output signal alarm status max. 230 V 5 A (NO/NC)
- Alarm output (by DC12V)
- Additional available contacts:
  - External humidifier control (ON/OFF) 230 VAC 3 A
  - External fan control (ON/OFF) 12V DC
  - External filter status signal potential free
  - External float switch signal potential free
  - External leakage detection sensor or TH. OFF contact potential free (possible usage for external blow out temperature control)

AHU PACi Elite	Cooling capacity	Heating capacity	Dimensions	Piping length	Elevation difference (in/out)
	Nominal	Nominal	H x W x D	Min / Max	Max
	kW	kW	mm	m	m
PAW-280PAH2	6,00 / 25,00	7,00 / 28,00	404x425x78	5 / 30*	10
PAW-280PAH2+PAW-280PAH2	50,00	56,00	404x425x78	5 / 30*	10

* For U-200PE2E8A and U-250PE2E8A.

AHU connection kit / System combination		Air volume	Dimensions	Piping length	Elevation difference (in/out)	Piping connections	
		Min / Max	H x W x D	Min / Max	Max	Liquid pipe	Gas pipe
Outdoor unit capacity	**AHU**	m³/min	mm	m	m	Inch (mm)	Inch (mm)
5,00kW	PAW-280PAH2	8,00 / 13,00	404x425x78	5/30	10	1/4 (6,35)	1/2 (12,70)
6,00kW	PAW-280PAH2	9,00 / 16,00	404x425x78	5/30	10	3/8 (9,62)	5/8 (15,88)
7,50kW	PAW-280PAH2	12,00 / 25,00	404x425x78	5/30	10	3/8 (9,62)	5/8 (15,88)
10,00kW	PAW-280PAH2	14,00 / 33,00	404x425x78	5/30	10	3/8 (9,62)	5/8 (15,88)
12,50kW	PAW-280PAH2	19,00 / 35,00	404x425x78	5/30	10	3/8 (9,62)	5/8 (15,88)
14,00kW	PAW-280PAH2	19,00 / 35,00	404x425x78	5/30	10	3/8 (9,62)	5/8 (15,88)
20,00kW	PAW-280PAH2	28,00 / 66,00	404x425x78	5/70	10	3/8 (9,62)	1 (25,40)
25,00kW	PAW-280PAH2	38,00 / 74,00	404x425x78	5/70	10	1/2 (12,70)	1 (25,40)



Standard range of air flow rate under standard conditions (air intake temperature in cooling mode from 18 to 32°C DB).

Extended range of air flow rate under special conditions (air intake temperature in cooling mode from 18 to 30°C DB).

New Air Curtain with DX Coil, connected to the VRF or PACi Systems. Compatible with R32 or R410A outdoor units

NEW 2019

Highly efficient heating effect

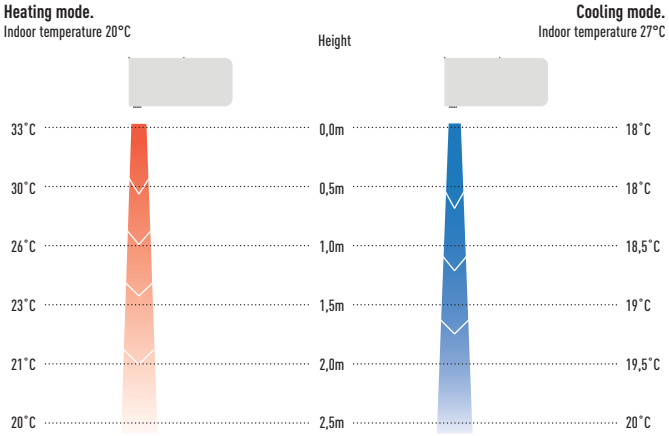
The combined air stream, which has a desirable low air current induction factor (mixing factor), can carry the selected initial temperature effect over long distances, and will reach the floor area while still at room temperature. This is necessary to avoid cooling down the interior spaces. Available in different lengths to suit requirements between 1 and 2,5m, both air curtains have outlet grilles that can be adjusted to five different positions. The HS model can be installed up to a height of 3,0m with the LS model up to 2,7m. The outlet grilles can be easily adjusted into five positions to suit different installation requirements and the air filter can be accessed without the need for specialist tools.

- High performance with EC fan motor (40% lower running costs compared to a standard AC fan motor)
- Easy Cleaning and Servicing
- Can be connected to either Panasonic VRF or PACi systems
- Built-in drain for cooling operation
- HS and LS models can be controlled via Panasonic's range of remote internet controls

The new HS and LS models are ideal for connection to a ECOi or PACi system. With simple "plug and play" installation, both are fitted with an EC fan motor for a smooth operation and efficient performance. This fan guarantees 40% lower running cost than with a standard AC fan motor. Air curtains run approximately 12 hours per day at shops, and efficient performance contributes to energy savings.

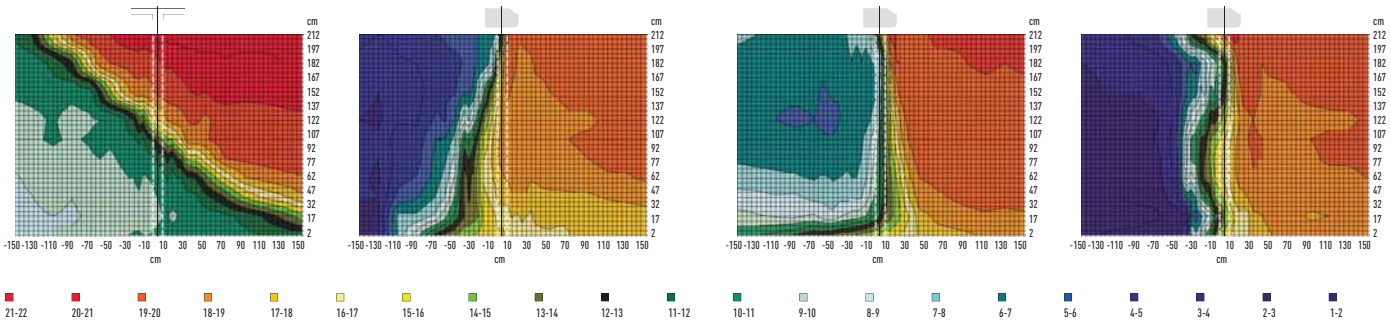
Intelligent Operation

Our air curtains combine airflow and heating / cooling technology to ensure optimum comfort and energy efficiency whilst also creating an effective barrier between indoor and outdoor environments. Design and installation is key to achieving the correct height / temperature settings to achieve optimum performance. Our air curtains are designed to answer the demands of the retail, commercial and industrial markets.



Optimised airflow velocity

1. Energy losses, no air curtain installed
2. Too low velocity air curtain – air curtain not efficient
3. Optimum results with the Frico air curtain connected to Panasonic VRF
4. Too high velocity air curtain – considerable turbulence, energy lost to the outside, air curtain not efficient



Opening without air curtain.
In an unprotected opening the cold air flows out and the cold storage room becomes much too warm.

Opening with air curtain, wrong angle.
If the angle is too small the hot air is blown into the cold storage room.

Opening with air curtain, too high speed.
Excessive speed creates turbulence, which causes energy loss and increases the cold storage temperature.

Opening with correctly adjusted air curtain.
With a correctly set air curtain unit there is a sharp separation between the different temperature zones.

High efficiency air curtain connected to your PACi or VRF installation. EC Fan motor for a smooth operation and an efficient performance. 2 types of air flow available: LS and HS! Easy installation, regulation, cleaning, service

Technical focus

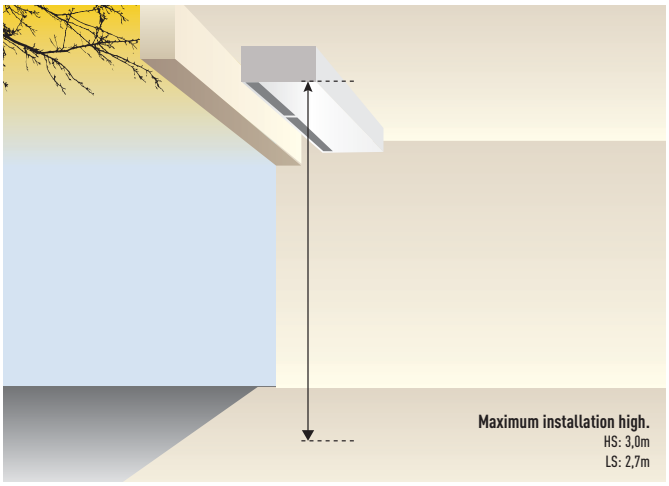
- Save up to 40% energy costs by use of the integrated EC fan technology (higher efficiency than conventional AC fan, soft start and longer motor duration)
- 4 length of air curtain LS and HS are available 1,0, 1,5, 2,0 and 2,5m
- Installation height up to 3,0m
- Outlet grilles can be adjusted in five positions, to suite different indoor and installation requirements
- Control with Panasonic remote control systems (optional)
- Direct integration to BMS by optional Panasonic interfaces
- Trip dray included in all DX air curtain steps

Features

Comfort: Easy redirection of air flow by means of manual deflector.
Ease of use: Speed selector (high and low) on the unit itself.
Easy installation and maintenance: Easy installation. Compact dimensions improve installation and positioning. Easy cleaning of grid without opening of the unit.

How does it work?

Stale air from the room is taken in and ejected near the door. This creates a 'roll of air' that shields the door area, mixing with the colder incoming air. It then turns away from the door, back into the room and toward the intake screen, where it is partly drawn in again. This flow of air helps to create a barrier for heat loss yet at the same time refreshes room air



Outdoor unit			7,10kW	10,00kW	14,00kW	20,00kW
Air outlet height 2,7m			**PAW-10PAIRC-LS**	**PAW-15PAIRC-LS**	**PAW-20PAIRC-LS**	**PAW-25PAIRC-LS**
Air volume	High / Low	m³/h	1800/1000	2700/1400	3600/1900	4500/2400
Cooling capacity [1]	Max	kW	6,10	9,70	13,00	17,00
Heating capacity [2]	Max	kW	7,90	12,00	15,00	19,00
Heat Exchanger	Volume	L	1,67	2,85	3,94	5,03
Piping connections	Liquid pipe / Gas pipe	mm	16,6/15,0	16,6/22,0	16,6/22,0	16,6/22,0
Electric consumption fan	230V / 50Hz	kW	0,30	0,50	0,60	0,80
Fan type			EC	EC	EC	EC
Current	230V / 50Hz	A	2,10	3,10	4,10	5,10
Sound Pressure [3]		dB(A)	49/65	48/66	50/67	51/69
Dimension	H x W x D	mm	1000 x 260 x 460	1500 x 260 x 460	2000 x 260 x 460	2500 x 260 x 460
Weight		kg	50	65	80	95
Door width		m	1,0	1,5	2,0	2,5
Refrigerant			R32/R410A	R32/R410A	R32/R410A	R32/R410A

Outdoor unit			10,00kW	14,00kW	20,00kW	25,00kW
Air outlet height 3,0m			**PAW-10PAIRC-HS**	**PAW-15PAIRC-HS**	**PAW-20PAIRC-HS**	**PAW-25PAIRC-HS**
Air volume	High / Low	m³/h	2700/1450	3600/1900	5400/2900	6300/3400
Cooling capacity [1]	Max	kW	9,10	13,00	19,50	23,70
Heating capacity [2]	Max	kW	11,80	15,80	23,60	27,60
Heat Exchanger	Volume	L	1,67	2,85	3,94	5,12
Piping connections	Liquid pipe / Gas pipe	mm	16,6/15,0	16,6/22,0	16,6/22,0	16,6/22,0
Electric consumption fan	230V / 50Hz	kW	0,75	1,00	1,50	1,75
Fan type			EC	EC	EC	EC
Current	230V / 50Hz	A	4,10	5,50	8,20	9,60
Sound Pressure [3]		dB(A)	50/66	49/67	51/68	52/68
Dimension	H x W x D	mm	1000 x 260 x 460	1500 x 260 x 460	2000 x 260 x 460	2500 x 260 x 460
Weight		kg	55	65	85	110
Door width		m	1,0	1,5	2,0	2,5
Refrigerant			R32/R410A	R32/R410A	R32/R410A	R32/R410A

1) Cooling capacity DX Coil, air temperature in/out +27/+18°C, R32 and R410. 2) Heating capacity condenser, air temperature in/out +20/+33°C, R32 and R410. In the case of lower outdoor temperatures, an outdoor model with higher capacity may be necessary.
3) Measured in distance up to 5,0m, direction factor 2, absorbing surfaces 200m², Min / Max air volume.

GREEN TECH
BMS CONNECTIVITY

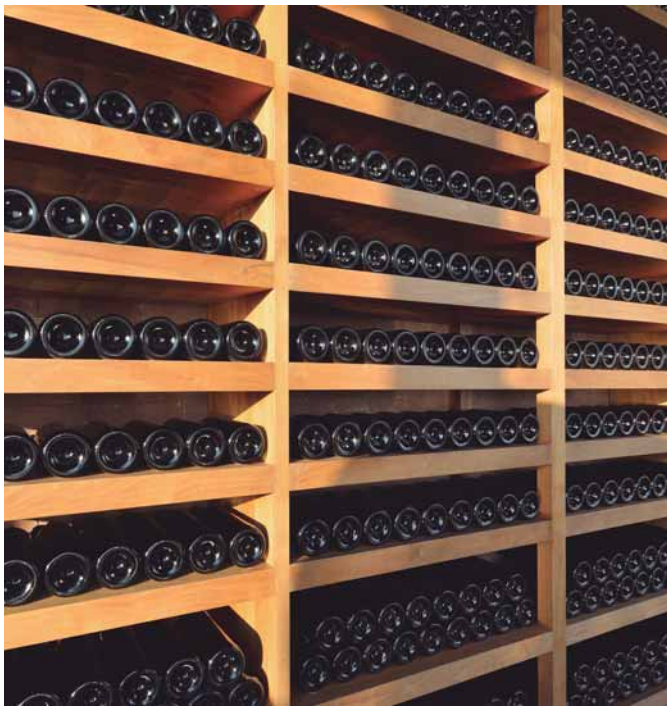
Rated Conditions Cooling Outdoor +35°C DB Indoor +27°C DB/+19°C WB, Discharge temperature 16°C. All combinations under rated conditions: Heating Outdoor +7°C DB/+6°C WB Indoor +20°C DB. In case of lower outdoor temperatures a higher capacity outdoor unit model may be necessary.
Specifications subject to change without notice. For detailed information about ErP, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PANASONIC PACi ELITE CAN COOL ROOMS DOWN TO 8°C

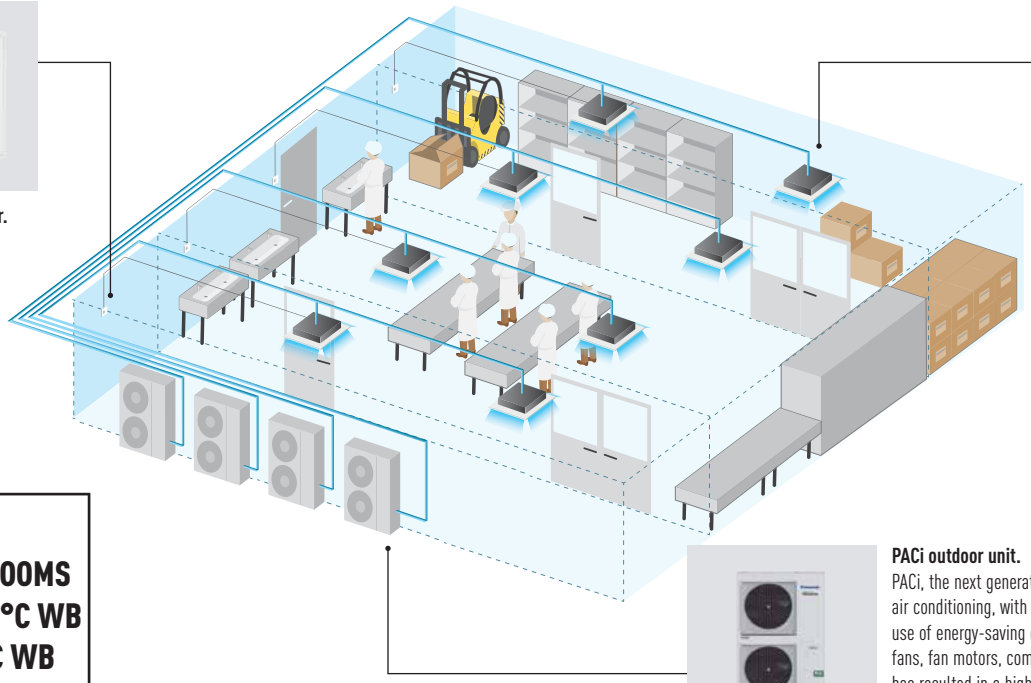
Special application such as wine cellars.

Solutions for cold rooms. Set the room temperature to 8°C

There is a complete range, from 3,60 to 22,00kW. This unique solution is perfect for:
Wine cellars, ice cream factories, flower shops, supermarkets, grain stores, food storage, food processing, food distribution, lunchrooms, vegetable processing... Just like all the indoor units in the PACi range, these units can be monitored via the Internet, generating an alarm if there is a breakdown.



Alternative controller.
Wired remote control.
CZ-RTC5B



Wide range of indoor units.
To meet your company's needs

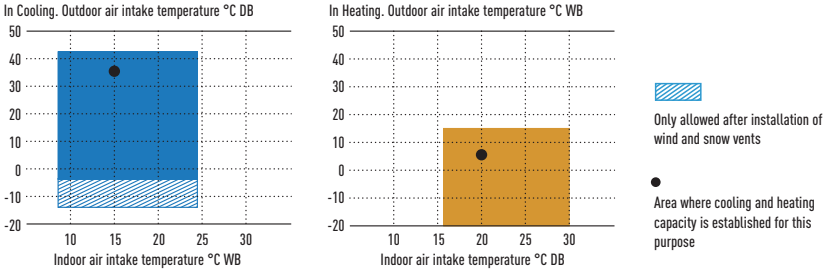
COOLING ROOMS BETWEEN 8°C WB AND 24°C WB

PACi outdoor unit.
PACi, the next generation of developed commercial air conditioning, with an energy-saving concept. The use of energy-saving designs in the construction of fans, fan motors, compressors and heat exchangers has resulted in a high COP value.

Wine cellars and special low temperature rooms

One of the main features of the PACi series is the possibility of adjusting the product for special applications, not just for regular heating and cooling applications. The purpose of this product information is to explain in detail these special applications that need a cooling operation to maintain the room temperature at +8 ~ +24°C WB (or +10 ~ +30°C DB). In order to do this in terms of enthalpy, the indoor unit needs to be overdimensioned and certain parameters need to be adjustable.

Temperature range – temperature range for wine cellar



Temperature range for wine cellar		
	Indoor	Outdoor
Cooling operation	+8 ~ +24°C WB	-5 (-15) ~ 43°C DB

Examples of installations:

To avoid the growth of bacteria and to increase food safety: Wine cellars, ice cream factories, flower shops, broiler factories, pantries in hotels, supermarkets, grain stores, food storage, food processing, food distribution, lunchrooms, salad processing ...

Application	Single						Twin		
Cooling capacity	3,50kW	4,90kW	5,80kW	6,90kW	9,30kW	11,60kW	13,60kW	18,50kW	23,20kW
	U-36PZH2E5	U-50PZH2E5	U-60PZH2E5	U-71PZH2E5 U-71PZH2E8	U-100PZH2E5 U-100PZH2E8	U-125PZH2E5 U-125PZH2E8	U-140PZH2E5 U-140PZH2E8	U-200PZH2E8	U-250PZH2E8
PACi outdoor units									
PACi indoor units									
	S-60PU2E5B	S-71PU2E5B	S-100PU2E5B	S-125PU2E5B	S-140PU2E5B	S-140PU2E5B	S-100PU2E5B + S-100PU2E5B	S-125PU2E5B + S-125PU2E5B	S-140PU2E5B + S-140PU2E5B
	S-60PT2E5B	S-71PT2E5B	S-100PT2E5B	S-125PT2E5B	S-140PT2E5B	S-140PT2E5B	S-100PT2E5B + S-100PT2E5B	S-125PT2E5B + S-125PT2E5B	S-140PT2E5B + S-140PT2E5B
	S-60PF1E5B	S-71PF1E5B	S-100PF1E5B	S-125PF1E5B	S-140PF1E5B	S-140PF1E5B	S-100PF1E5B + S-100PF1E5B	S-125PF1E5B + S-125PF1E5B	S-140PF1E5B + S-140PF1E5B
	S-60PN1E5B	S-71PN1E5B	S-100PN1E5B	S-125PN1E5B	S-140PN1E5B	S-140PN1E5B	S-100PN1E5B + S-100PN1E5B	S-125PN1E5B + S-125PN1E5B	S-140PN1E5B + S-140PN1E5B

* Above combinations require a special field setting. Please contact authorized Panasonic dealer. ** R410 models (U-PE2E5A,U-PE2E8A) are also compatible.

R22 RENEWAL.
FAST, EASY TO INSTALL AND COST EFFECTIVE

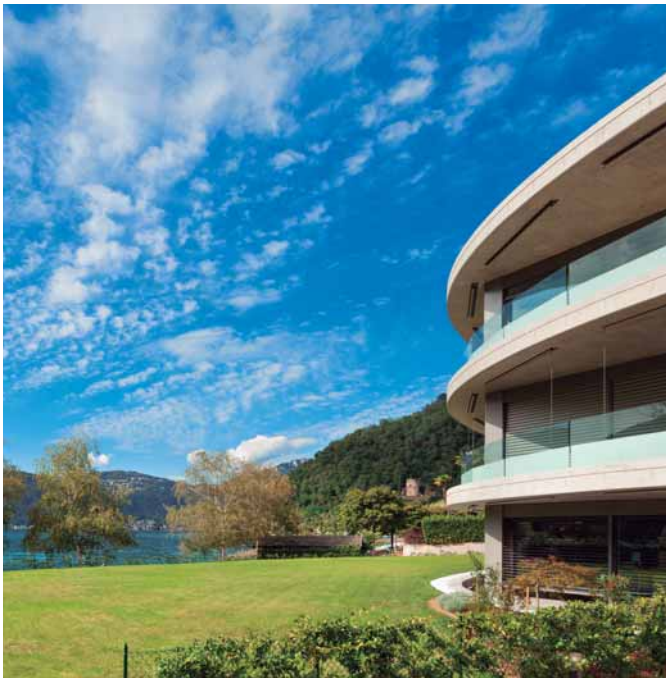
An important drive to further reduce the potential damage to our ozone
It is often said that legislation is ruling our lives but sometimes it is there to help save lives. R22 phase out can be described as one of these and from Jan 1st 2010 the use of Virgin (new) R22 refrigerant was banned within the European Union.

Panasonic is doing its part

We at Panasonic are also doing our part – recognising that all finances are under pressure at the moment. Panasonic has developed a clean and cost effective solution to enable this latest legislation to offer less financial impact on your business.
The Panasonic renewal system allows good quality existing R22 pipe work to be re-used whilst installing new high efficiency R410A / R32 systems.
By bringing a simple solution to the problem Panasonic can renew all Split Systems and PACi systems; and depending upon certain restrictions we don't even limit the manufacturer's equipment we are replacing.
By installing a new high efficiency Panasonic R410A / R32 system you can benefit from around 30% running cost saving compared to the R22 system.

Yes...
1. Check the capacity of the system you wish to replace
2. Select from the Panasonic range the best system to replace it with
3. Follow the procedure detailed in the brochure and technical data

Simple...



Why renewal?

Unique R22 Renewal from Panasonic: Fast, easy to install and cost effective.

- Panasonic refrigerant oil doesn't react to the most common oil types used in air-conditioning systems. This ensures the mix of oil does not damage the units. Therefore installations are easier
- All Panasonic PACi units can be installed in R22 pipings, no specific models are available
- Up to 33 Bar! When there is any doubt about the strength of the piping, the maximum working pressure can be reduced to 33 Bar with a setting in the software of the outdoor unit

Reuse of existing piping (renewal design & installation)

Notes on reuse of existing refrigerant piping.

It is possible for each series of PE, PEY, PZH, PZ series outdoor unit to reuse the existing refrigerant piping without cleaning when obtained under certain conditions. Make sure that the requirements under the section "Notes on reuse of existing refrigerant piping", "Measurement procedure for renewal" and "Refrigerant piping size and allowable piping length" will be satisfied in order to carry out.
Also, check the items with regard to section "Safety" and "Cleaning".

1. Prerequisite

- If the refrigerant used for the existing unit is other than R22, R407C and R410A / R32, the existing refrigerant piping cannot be used.
- If the existing unit has another use than air conditioning, then existing refrigerant piping cannot be used.

2. Safety

- If there is a hollow, crack or corrosion on the piping, make sure to install new piping.
- If the existing piping is other than capable of reuse of piping as shown in the flowchart, make sure to install new piping.
- In case of multiple operation, use our genuine branch piping for refrigerant R410A / R32.

A local supplier shall assume responsibility for the defects and hollows on the reuse of existing piping surface and recognition of reliability of the piping strength. There is no guarantee that we take responsibility for such damages.
The operational pressure of the refrigerant R410A / R32 becomes higher compared to R22. In the worst case, a lack of compressive strength may lead to piping explosion.

3. Cleaning

- When the refrigerant oil used for the existing unit is other than the listed below, make sure to install new piping or wash it thoroughly before reusing it.
  [Mineral Oil] SUNISO, FIORE S, MS
  [Synthesized oil] alkyl benzene oil (HAB, parallel freeze), ester oil, ether oil (PVE only)

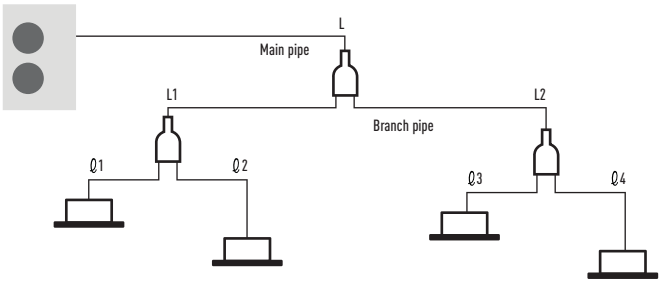
If the existing unit is GHP type, it is necessary to wash the piping thoroughly.

- If the existing pipes in the outdoor and indoor units remain disconnected, make sure to install a new piping or wash it thoroughly before reusing it.
- If the discoloured oil or residue remains in the existing piping, make sure to install a new piping or wash it thoroughly before reusing it. See "Deterioration Criteria for Refrigerant Oil" in table 3.
- If the compressor of the existing air conditioner has a failure history, make sure to install a new piping or wash it through thoroughly before reusing it.

When reusing the existing piping as it is without removing dirt and dust, inadequate piping could result a renewal appliance in failure.

Notes on renewal for simultaneous operation of multiple units

Only main pipe is applicable for using the different diameter size.
In case of different diameter size for the branch pipes, a new installation work for a standard size is necessary.
Be sure to use our genuine branch piping for refrigerant R410A / R32.



Notes on renewal for simultaneous operation of multiple units		
Capacity class	**Standard liquid pipe size**	**Standard gas pipe size**
Type 50	Ø 6,35	Ø 12,70
Type from 60 to 140	Ø 9,52	Ø 15,88
Type 200	Ø 9,52	Ø 25,40
Type 250	Ø 12,70	

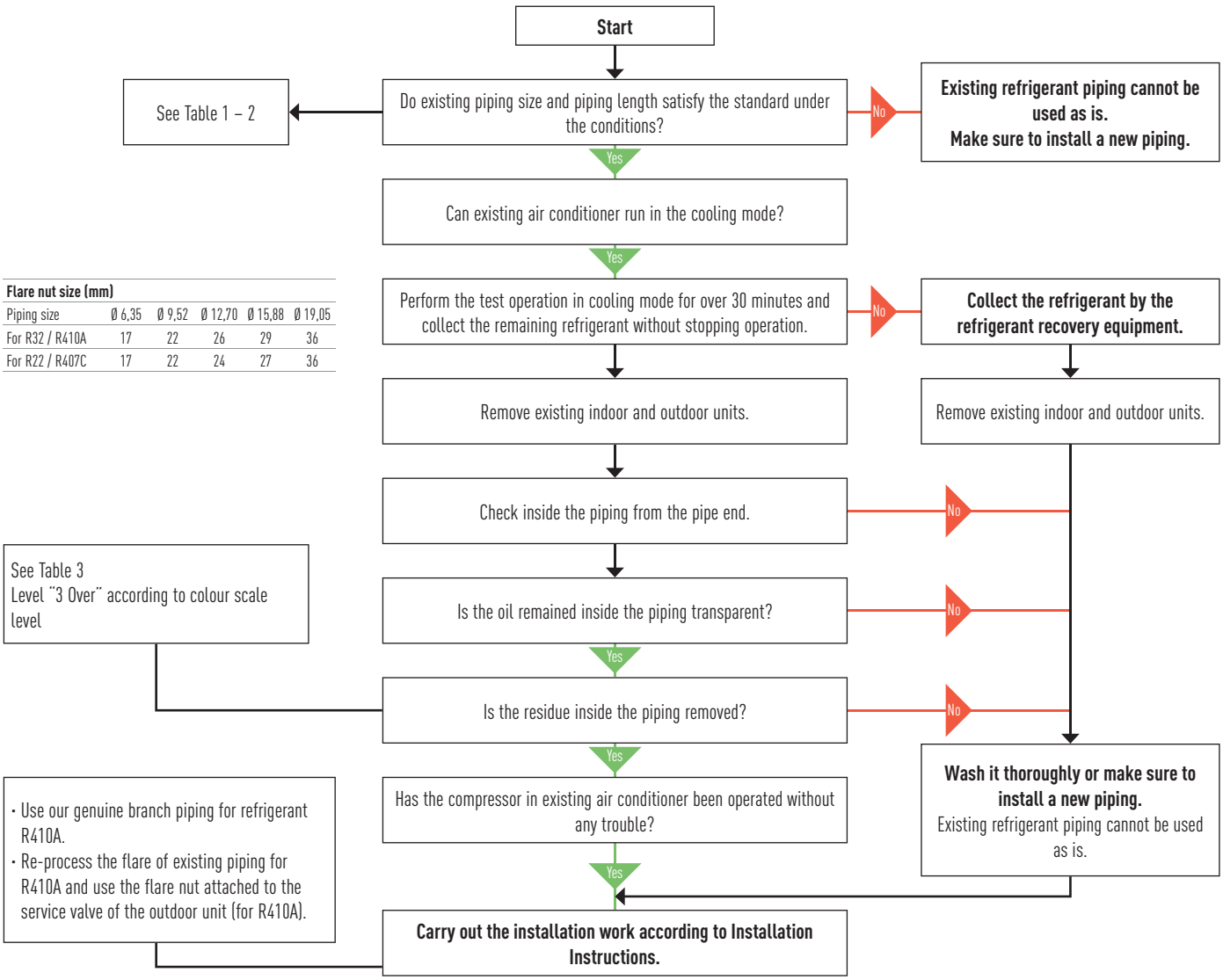
- Only the main pipe L can be used among different diameter's existing piping
- Installation work as a standard size is capable for L1, L2, l1 - l4 piping
- Be sure to use our genuine branch piping for refrigerant R410A / R32

1. In case of single unit:
   It is not necessary to charge with additional refrigerant until the chargeless pipe length in the table 2.
   If the pipe length is exceeding the charge less pipe length, charge with additional refrigerant amount per 1m according to the equivalent length.

2. In case of simultaneous operation of multiple units:
   Calculate the refrigerant charging amount according to the calculating method of the standard piping diameter.
   As to the additional refrigerant charging amount per 1m, refer to the additional amount in the table 2.

Measurement procedure for Renewal

Observe the following procedure when reusing the existing piping or carrying out renewal installation work.
Flowchart of existing piping measures criteria for PE, PEY, PZH, PZ series outdoor unit.



Flare nut size (mm)					
Piping size	Ø 6,35	Ø 9,52	Ø 12,70	Ø 15,88	Ø 19,05
For R32 / R410A	17	22	26	29	36
For R22 / R407C	17	22	24	27	36

Refrigerant piping size and allowable piping length

Check if reuse of existing refrigerant piping is possible based on the following chart.
The standards other than this one (difference of elevation, etc.) are identical to the requirements of ordinary refrigerant piping.

Table 1 Reusable existing piping (mm)

Material	O				1/2 H, H*			
External diameter	Ø 6,35	Ø 9,52	Ø 12,70	Ø 15,88	Ø 19,05	Ø 22,22	Ø 25,40	Ø 28,58
Thickness	0,80	0,80	0,80	1,00	1,00	1,00	1,00	1,00

* It is impossible to reuse the size of Ø 19.05, Ø 22.22, Ø 25.4 and Ø 28.58 for material O. Change to material 1/2H or material H.

Table 2 - 1 Refrigerant piping size: 3,6 - 14,0 kW type (mm)

Liquid pipe		Ø 6,35			Ø 9,52			Ø 12,70	
Gas pipe		Ø 9,52	Ø 12,70	Ø 15,88	Ø 12,70	Ø 15,88	Ø 19,05	Ø 15,88	Ø 19,05
PE / PZH	Type 50	×	Standard 40 m (30 m)	◎ 40 m (30 m)	□ 20 m (15 m)	□ 20 m (15 m)	×	×	×
PEY / PZ	Type 60 Type 71	×	▽ 10 m (10 m)	□ 10 m (10 m)	▽ 30 m (20 m)	Standard 50 m (20 m)	×	□ 25 m (10 m)	×
Additional refrigerant charging amount per 1 m		20 g/m			40 g/m			80 g/m	
PE / PZH	Type 60 Type 71	×	▽ 10 m (10 m)	□ 10 m (10 m)	▽ 30 m (30 m)	Standard 50 m (30 m)	×	□ 25 m (15 m)	×
	Type 100 Type 125 Type 140	×	×	×	×	Standard 75 m (30 m)	◎ 75 m (30 m)	□ 35 m (15 m)	□ 35 m (15 m)
PEY / PZ	Type 100 Type 125 Type 140	×	×	×	×	Standard 50 m (30 m)	◎ 50 m (30 m)	□ 25 m (15 m)	□ 25 m (15 m)
Additional refrigerant charging amount per 1 m		20 g/m			50 g/m			80 g/m	

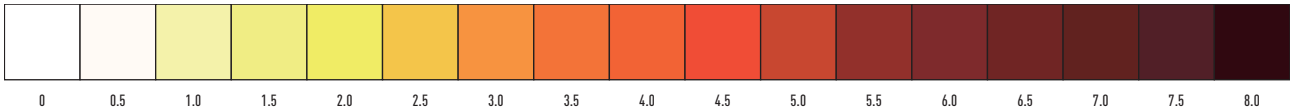
How to see table definition (example):
In case of type 71, standard size is liquid pipe Ø 9,52 / gas pipe Ø 15,88,
There is a limitation to liquid pipe Ø 9,52 / gas pipe Ø 12,70 and to liquid pipe Ø 12,70 / gas pipe Ø 15,88,
However, they are applicable for different diameter's pipes.

Table 2 - 2 Refrigerant piping size: 20,0 - 25,0 kW type (mm)

Liquid pipe		Ø 9,52			Ø 12,70			Ø 15,88		
Gas pipe		Ø 22,22	Ø 25,40	Ø 28,58	Ø 22,22	Ø 25,40	Ø 28,58	Ø 22,22	Ø 25,40	Ø 28,58
PZH	Type 200	▽ 80 m (30 m)	Standard 100 m (30 m)	◎ 100 m (30 m)	▽ 50 m (15 m)	□ 50 m (15 m)	□ 50 m (15 m)	×	×	×
	Type 250	×	×	×	▽ 80 m (30 m)	Standard 100 m (30 m)	◎ 100 m (30 m)	▽ 65 m (20 m)	□ 65 m (20 m)	□ 65 m (20 m)
Additional refrigerant charging amount per 1 m		40 g/m			80 g/m			120 g/m		

◎ Allowable
▽ Cooling capacity down
□ Limited piping length
× Unallowable
50 m Maximum piping length
(50 m) Charge less piping length in a single connection

Table 3 Deterioration Criteria for Refrigerant Oil



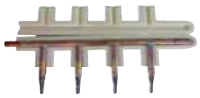
0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0

ACCESSORIES AND CONTROL

Branch Pipes, Header

CZ-P224BK2BM
Branch pipe (capacity after distribution is 22,40kW or less).

CZ-P680BK2BM
Branch pipe (from 22,40kW to 68kW).



CZ-P3HPC2BM
Header.

Plenums

CZ-DUMPA90MF2
Air Inlet Plenum S . .PF1E5B 60 & 71.

CZ-DUMPA160MF2
Air Inlet Plenum S . .PF1E5B 100, 125 & 140.

CZ-56DAF2
Air Outlet Plenum S . .PF1E5B 36, 45 & 50.

CZ-90DAF2
Air Outlet Plenum S . .PF1E5B 60 & 71.

CZ-160DAF2
Air Outlet Plenum S . .PF1E5B 100, 125 & 140.

CZ-TREMIESPW705
Air Outlet Plenum S-200PE2E5.

CZ-TREMIESPW706
Air Outlet Plenum S-250PE2E5.

Outdoor accessories

PAW-WTRAY
Tray for condenser water compatible with base ground support.

PAW-GRDSTD40
Outdoor elevation platform 400x900x400mm.

PAW-GRDBSE20
Outdoor base ground support for noise and vibration absorption (600 x 95 x 130mm, 500kg).

PAW-WPH9
Wind protection shield for U-71PZH2E5/8, U-71PE1E5A/8A and U-100/125PEY1E5/8.

PAW-WPH7
Wind protection shield for U-100/125/140PZH2E5/8, U-100/125/140PE1E5A/8A and U-140PEY1E8.

Panels

CZ-KPU3W
Normal panel for 90x90 Cassette PU2.

CZ-KPU3AW
Econavi panel for 90x90 Cassette PU2.

CZ-KPY3AW
Panel for 60x60 Cassette size 700x700mm.

CZ-KPY3BW
Panel for 60x60 Cassette size 625x625mm.

Other Accessory

CZ-CNEXU1
nanoe™ X air purifying system for 90x90 Cassette PU2.

CZ-CENSC1
Econavi energy savings sensor.

Individual Controls

CZ-RTC5B
Design wired remote controller with Econavi function and datanavi.

CZ-RWS3 + CZ-RWRU3
Infrared remote controller for 4 Way 90x90 Cassette.

CZ-RWS3
Infrared remote controller for Wall Mounted and 4 Way 60x60 (with CZ-KPY3AW).

CZ-RWS3 + CZ-RWRT3
Infrared remote controller for Ceiling.

CZ-RWS3 + CZ-RWRC3
Infrared remote controller for all indoor units.

CZ-RE2C2
Simplified wired remote controller.

CZ-CSRC3
Temperature remote sensor.

Controller and touch controllers for Hotels with Dry Contacts

PAW-RE2C3-WH-1
Stand-Alone with I/O, White.

PAW-RE2C3-MOD-WH-1
Modbus RS-485 with I/O, White.

PAW-RE2C4-MOD-WH
NEW Modbus RS-485 touch room controller with I/O, White.

PAW-RE2C4-MOD-BK
NEW Modbus RS-485 touch room controller with I/O, Black.

PAW-RE2D4-WH
NEW Touch display control with 2 inputs, White.

PAW-RE2D4-BK
NEW Touch display control with 2 inputs, Black.

Hotel sensors for Dry Contacts

PAW-WMS-DC
NEW Wall motion sensor 24V.

PAW-WMS-AC
NEW Wall motion sensor AC.

PAW-CMS-DC
NEW Ceiling motion sensor 24V.

PAW-CMS-AC
NEW Ceiling motion sensor AC.

PAW-24DC
NEW Power supply 24V.

PAW-DWC
NEW Door or window contact.

Centralised Controls

CZ-64ESMC3
System Controller with Schedule timer. Operation with various function from center station.

CZ-ANC3
Central ON/OFF controller, up to 16 groups, 64 indoor units.

CZ-256ESMC3
Simplified load distribution ratio (LDR) for each tenant. Intelligent Controller (Touch screen panel).

Centralised Controls. BMS System. PC Base

CZ-CSWKC2
PAIMS Basic software.

CZ-CFUNC2
Communication adaptor.

CZ-CSWAC2
PAIMS Consumption calculation control.

CZ-CSWBC2
PAIMS - BACnet interface.

CZ-CSWGC2
PAIMS - Layout display.

CZ-CSWWC2
PAIMS - Web application.

Centralised Controls. Connection with 3rd Party Controller

CZ-CAPDC2
Serial parallel device controlling outdoor units, up to 4 units.

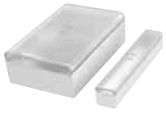
CZ-CAPC3
Adaptor for ON/OFF control of external devices.

CZ-CAPBC2
Mini series parallel device controlling indoor units, maximum 1 group and 8 indoor unit.

CZ-CFUNC2
Communication Adaptor. Up to 128 groups. Controls 128 units.

VRF Smart Connectivity

Panasonic Schneider Electric



SER8150R0B1194
Remote Controller Panasonic Net Con, RH, No PIR, R1/R2.

SER8150R5B1194
Remote Controller Panasonic Net Con, RH, PIR, R1/R2.

VCM8000V5094P
Wireless Zigbee Pro module / Green Com card.

SED-WDC-G-5045
Door / window wireless sensor.

SED-MTH-G-5045
Wall / ceiling (motion) wireless sensor.

SED-CO2-G-5045
CO_2 sensor.

SED-TRH-G-5045
Sensor with room temperature and humidity.

Accessories Interfaces

PA-RC2-WIFI-1
Interface for Intesishome for PACi and ECOi.

PAW-RC2-KNX-1i
KNX Interface.

PAW-RC2-MBS-4
Modbus interface to control 4 indoor/groups.

PAW-RC2-MBS-1
Modbus Interface.

PAW-MBS-TCP2RTU
ModBus RTU Slave devices.

PAW-RC2-BAC-1
BACnet Interface.

CZ-CAPRA1
Domestic with CN-CNT port integration to PACi and ECOi.

CZ-CAPWFC1
NEW Commercial WLAN Adaptor.

PAW-AC2-MBS-16P
NEW Modbus Interface for 16 indoors.

PAW-AC2-MBS-64P
NEW Modbus Interface for 64 indoors.

PAW-AC2-MBS-128P
NEW Modbus Interface for 128 indoors.

PAW-AC2-KNX-16P
NEW KNX Interface for 16 indoors.

PAW-AC2-KNX-64P
NEW KNX Interface for 64 indoors.

PAW-AC2-BAC-16P
NEW BACnet Interface for 16 indoors.

PAW-AC2-BAC-64P
NEW BACnet Interface for 64 indoors.

PAW-AC2-BAC-128P
NEW BACnet Interface for 128 indoors.

Panasonic AC Smart Cloud

CZ-CFUSCC1
Panasonic AC Smart Cloud. Cloud internet control. Up to 128 groups. Controls 128 units.

PAW-MVNOAC-V
PAW-MVNOAC-K
3G communication package (SIM Card included). V, K: Depending on countries.

Accessories PCB

PAW-T10
All T10 functions.

PAW-PACR3
Redundancy of 2 or 3 systems; for PACi and ECOi.

PAW-SERVER-PKEA
Redundancy of 2 units TKEA / PKEA.

Accessories Cables

CZ-T10
Cable for all the T10 functions.

PAW-FDC
Cable to operate external EC fan.

PAW-OCT
Cable for all option monitoring signals.

PAW-EXCT
Cable with force Thermo OFF/leakage Detection.

CZ-CAPE2
Option monitoring signals wo. Fan.