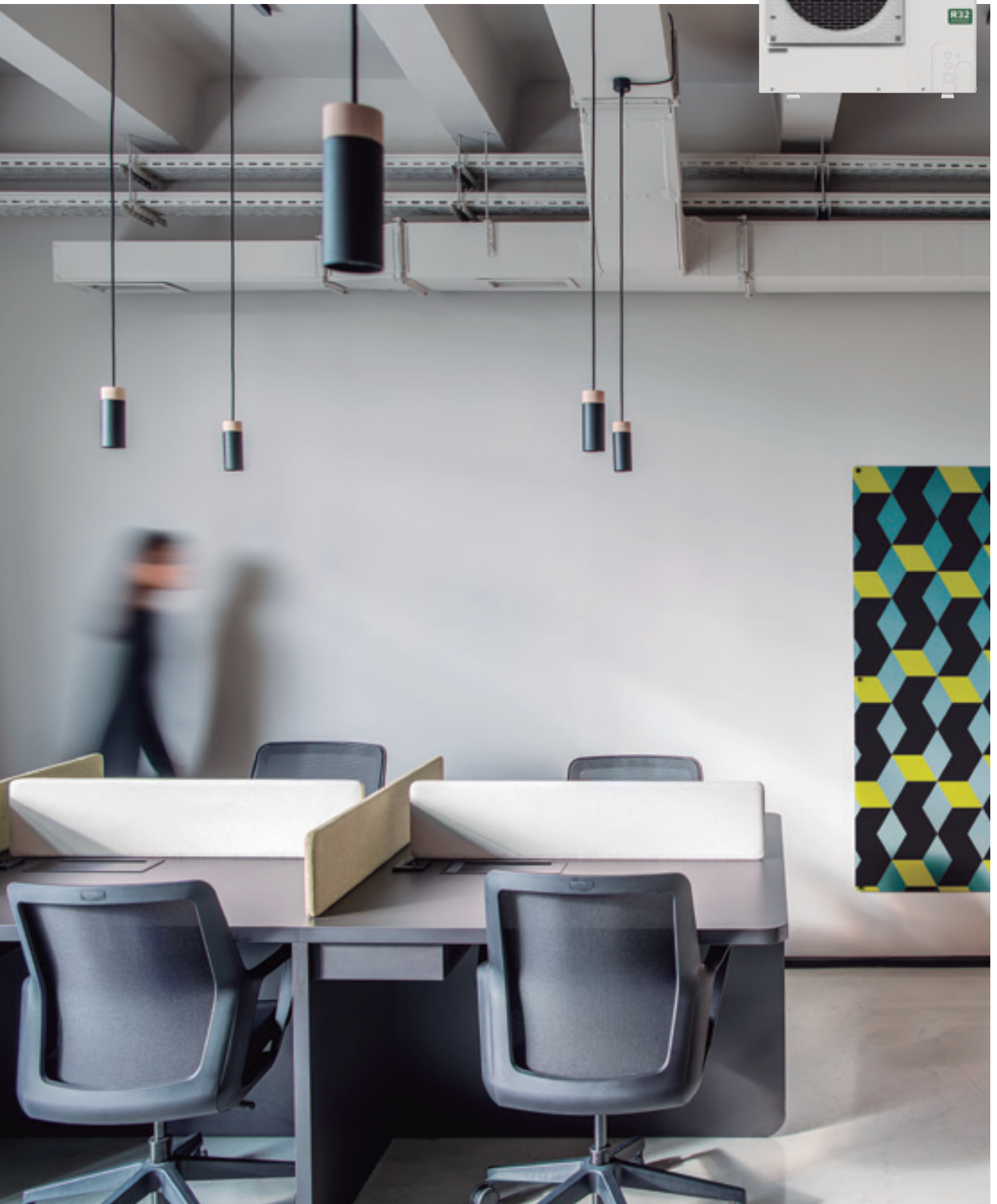# Panasonic Commercial air to air

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, with our highly efficient inverter compressor technology to optimise performance.

Highlighted Features

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

PAC i

Great savings and improved comfort. Panasonic has developed an impressive range of highly efficient Commercial air conditioners, with our highly efficient inverter compressor technology to optimise performance.
A wide range for industry, office or residential application. With configuration from 1:1 to 4:1, Panasonic can offer the most comfortable climate with solutions designed for every environment.
The diverse array of connectivity and control systems, allows you to manage your units from any various locations. Receive real-time status updates and maintenance alerts, while optimizing costs and energy usage.

Energy saving

R32

28% ECONAVI

A+++ 8,5 SEER

A+++ 5,1 SCOP

INVERTER+

HIGH EFFICIENCY COMPRESSOR

A++ ErP 35°C

R32 refrigerant.
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 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 - year-round cooling savings!

Exceptional seasonal heating efficiency based on the ErP regulation.
Higher SCOP ratings mean greater efficiency - year-round heating savings!

Inverter Plus System.
Inverter Plus System classification highlights Panasonic's highest performing systems.

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

Better efficiency & value for low temperature applications.
On an energy efficiency scale from D to A+++, both the PACi water heat exchanger and the PRO HT provide A++ rated heating.

High performance

BLUEFIN

LARGE FAN

DC FAN

-15°C COOLING MODE

-20°C HEATING MODE

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

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

DC fan.
Safe and precise.

Down to -15 °C in cooling mode.
The air conditioner works in cooling mode when the outdoor temperature of -15 °C.

Down to -20 °C in heating mode.
All our commercial systems operate in heating to -15 °C, with models capable of up to -20 °C.

46°C COOLING MODE

nanoeX

R22 R410A → R32 R22/R410A RENEWAL

5 YEARS COMPRESSOR WARRANTY

Up to 46 °C in cooling mode.
System works in cooling mode at outdoor temperature up to 46 °C.

nanoe™ X. Quality air for life.
Panasonic's latest innovation nanoe™ X promotes well-being by inhibiting growth of certain harmful viruses and bacteria, as well as deodorising your home.

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.

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

High connectivity

PANASONIC AC SMART CLOUD

OPTIONAL WLAN

BMS CONNECTIVITY

ADVANCED CONTROL

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 user-friendly remote control of air conditioning or heat pump units from everywhere, using a simple Android™ or iOS smartphone, tablet or PC via the internet.

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

Advanced control.
A touch screen remote controller is included as a standard. Clean design, easy operation and quick access to all menus.

PACi outdoor units.
Energy saving concept

R32
NEW REFRIGERANT GAS
Panasonic
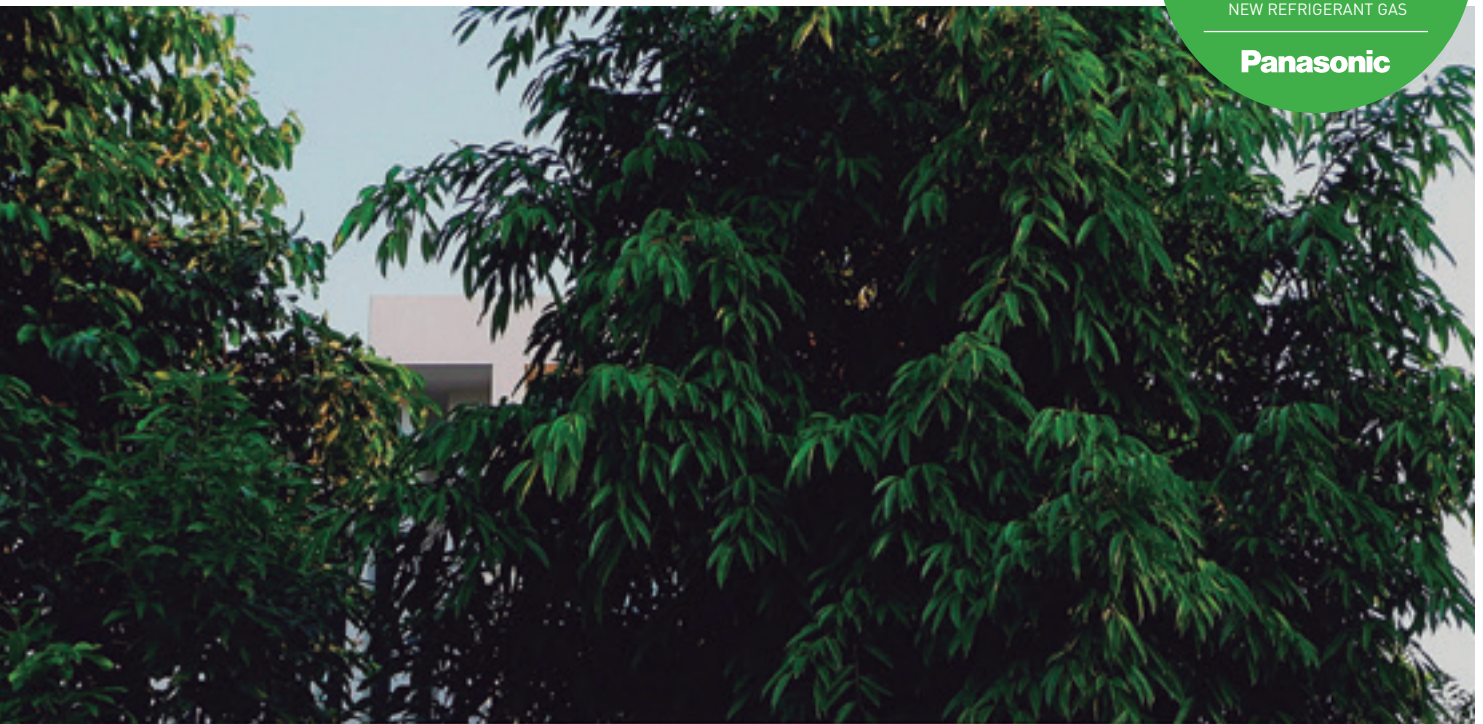
Product quality and safety. All Panasonic air conditioners undergo strict quality and safety tests before sale. This rigorous process includes obtaining all necessary safety approvals, to ensure that all air conditioners we sell are not only built to the highest market standards, but are also completely safe.

PACi R32 refrigerant gas

Panasonic recommends R32 because of its lower Global Warming Potential (GWP). Compared to R22 and R410A, R32 has a very low potential impact on global warming.

Panasonic is concerned with protecting and maintaining the environment. In line with the with European countries participating in the Montreal Protocol, protecting the ozone layer and preventing 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 structure and energy saving design of fans, fan motors, compressors and heat exchangers result in high COP value, which ranks as one of the highest class in the industry. Additional benefits include reduced CO_2 emissions, energy consumption and operating costs.

PACi Elite. From 3,6 to 25,0 kW.
· Meeting all necessary safety approvals to ensure quality and safety

· Top class SEER: A+++ / SCOP: A+++ at 3,6 kW (in 90x90 Cassette)
· Cooling operation is possible when outdoor temperature as high as 46 °C
· DC inverter technology combined with R32
· Cooling operation is possible when outdoor temperature is as low as -20 °C (for 10,0 kW ~ 14,0 kW with 30 m maximum pipe length)
· 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 wide variety of locations.

PACi Standard. From 6,0 to 14,0 kW.
· Good balance of system cost vs energy efficiency
· Top class SEER/SCOP in the standard inverter category SEER: A++ / SCOP: A++ at 6,0 and 7,1 kW (in 90x90 Cassette)
· Interchangeable controller with ECOi
· Compact outdoor units
· Twin connection possible
· Cooling operation down to -10 °C and heating operation down to -15 °C

New wired remote controller CZ-RTC6 / CZ-RTC6BL

· Intuitive control with stylish design profile
· Compact body 86 x 86 mm
· Panasonic H&C Control App with Bluetooth® for daily remote control operation
· Quick and easy App set-up for system maintenance setting

Wired remote controller line-up	
CZ-RTC6	Non-wireless
CZ-RTC6BL	Bluetooth®

This series give you comfort and control, meeting the varying needs of multi users.

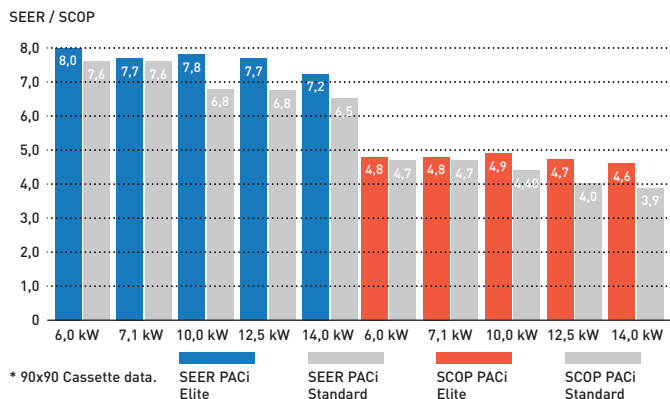Accessible, flexible and convenient. Perfectly meeting modern control needs.

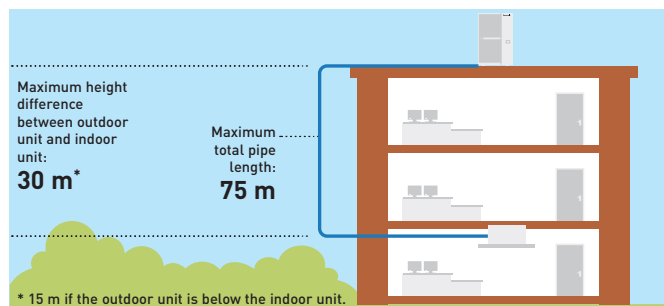# PACi Elite: Excellent SEER and SCOP values

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

PACi R32 seasonal efficiency for daily energy saving

SEER / SCOP

* 90x90 Cassette data.

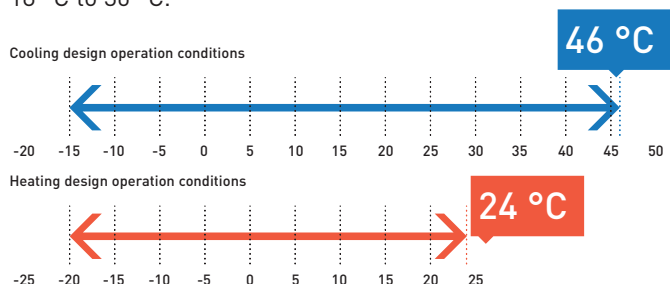| SEER PACi Elite | SEER PACi Standard | SCOP PACi Elite | SCOP PACi Standard |

Increased piping length for greater design flexibility

Adaptable to various building types and sizes. Maximum piping length: 75 m (10,0, 12,5, 14,0 kW). 50 m (6,0, 7,1 kW).

Maximum height difference between outdoor unit and indoor unit:
30 m*

Maximum total pipe length:
75 m

* 15 m 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.

Cooling design operation conditions

46 °C

-20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50

Heating design operation conditions

24 °C

-25 -20 -15 -10 -5 0 5 10 15 20 25

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 99kg, it is easy to carry and easy to install.

Single Split   PACi
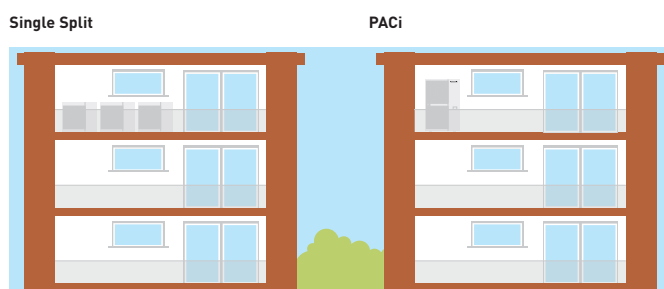
Energy consumption monitoring display with the CZ-RTC5B

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.

PACi

Panasonic unique Light ID technology

Panasonic Cloud Server

User

· 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.

Demand controller

Terminal block (supplied as optional kit)

CZ-CAPDC3
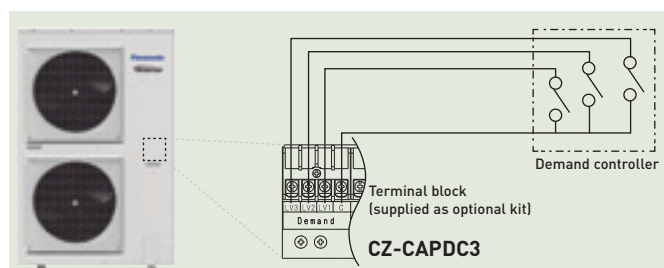
Generation PACi
90x90 Cassette

A 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.

nanoe X

PACi 90x90 Cassette

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

These Cassettes offer upgraded Econavi and nanoe™ X Technology 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.
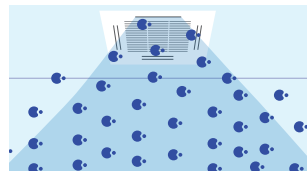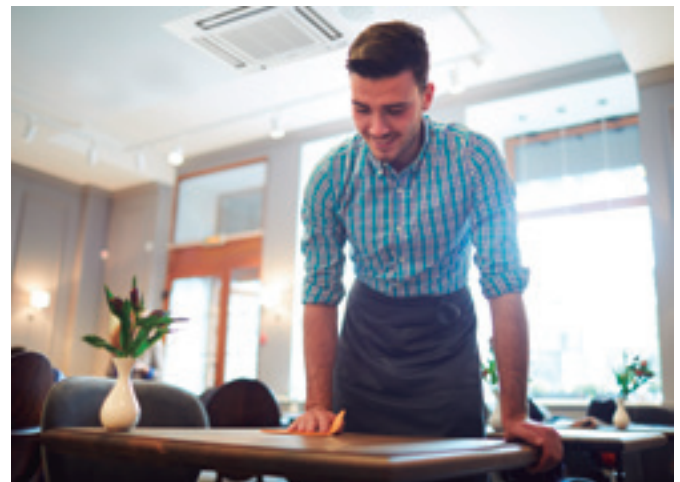· This unique technology operation can work simultaneously or independently from heating/cooling operation.
· Inhibiting certain viruses, bacteria & deodorisation (bacteria, fungus, pollen, virus and cigarette smoke). OH radicals in nanoe™ X pull bacteria's hydrogen out to effectively deodorise and sterilise
· 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.

Optional Econavi intelligent sensor

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

The area that movement sensor detects.

Max. 5,0 m

The area that floor temperature sensor detects.

7 ~ 9m

1,0m
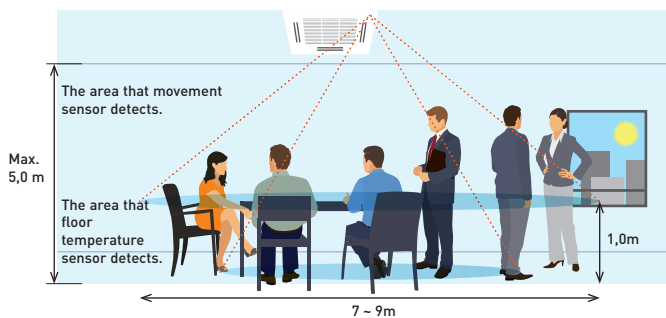
Advanced Econavi functions.

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

ECONAVI

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.
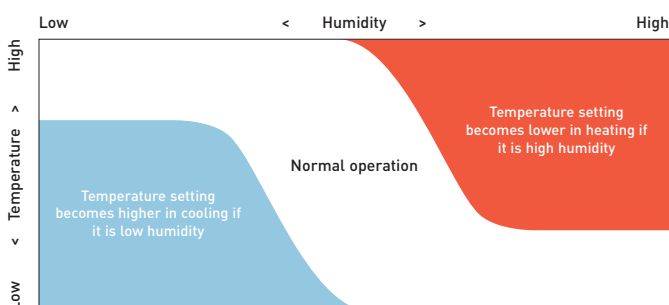
Low   <   Humidity   >   High

High

Temperature

Low

Temperature setting becomes lower in heating if it is high humidity

Normal operation

Temperature setting becomes higher in cooling if it is low 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.
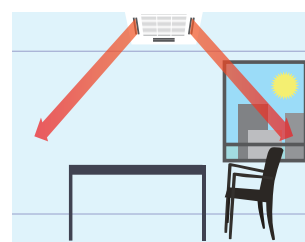
Circulation by Detecting no movement (10 min.)
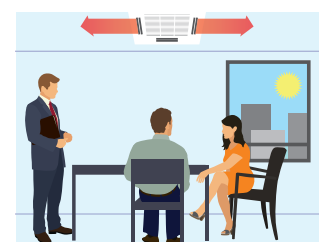
Indirect air flow by detecting movement.

Solutions for 24/7/365 applications

NON STOP OPERATION
24/7
365

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 7,1 kW with TKEA R32 refrigerant units A+++ in cooling
· PACi units from 3,6 to 14,0 kW
· 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

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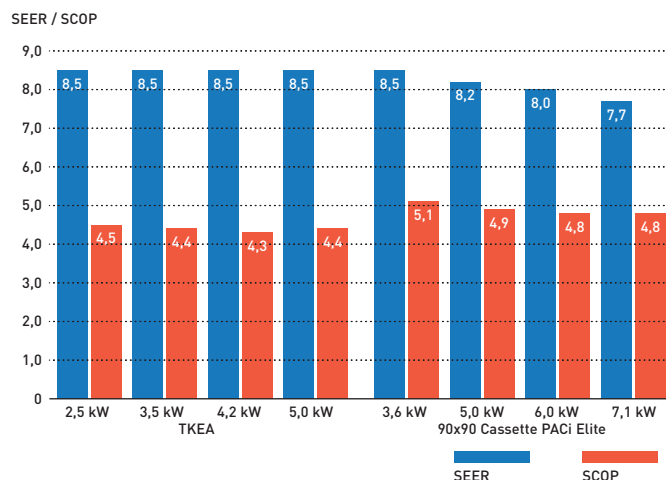
Interface to run 2 TKEA / PKEA. PAW-SERVER-PKEA

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.
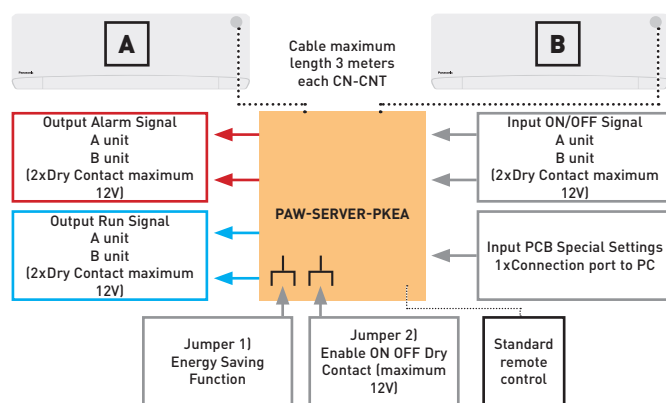
Interfaces to run 2 or 3 PACi and VRF indoor units

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.

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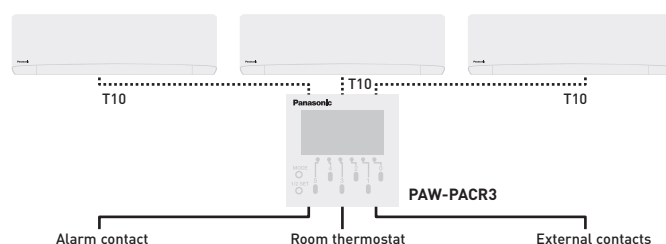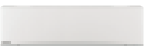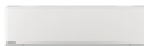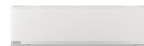
Display and Settings:
· Possible to select next unit manually
· Possible to reset operation
· LED display shows operation status of the 2 or 3 units
· Operation status output
· Alarm LED and alarm output
· Temperature limit can be set
· Temperature hysteresis can be set
· Room temperature is displayed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

CZ-RTC5B

System 1

System 2
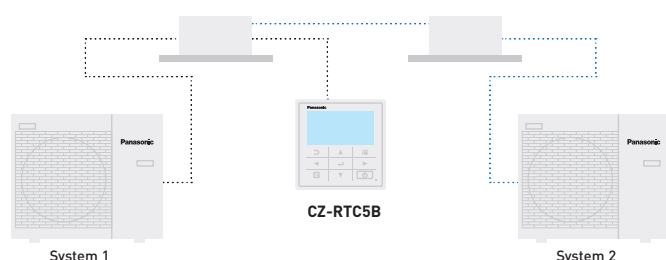
Range of Commercial units R32

Page	Indoor units	2,5 kW	3,5 ~ 3,6 kW	4,5 kW	5,0 kW	6,0 kW
P. 164	Wall-mounted Professional Inverter -20 °C • **R32 refrigerant**	KIT-Z25-TKEA	KIT-Z35-TKEA	KIT-Z42-TKEA	KIT-Z50-TKEA	
P. 166	Wall-mounted Inverter+ • **R32 refrigerant**		S-36PK2E5B	S-45PK2E5B	S-50PK2E5B	S-60PK2E5B
P. 120	4 Way 60x60 Cassette Inverter • **R32 refrigerant**	CS-Z25UB4EAW	CS-Z35UB4EAW		CS-Z50UB4EAW	CS-Z60UB4EAW
P. 170	4 Way 60x60 Cassette Inverter+ • **R32 refrigerant**		S-36PY2E5B	S-45PY2E5B [1]	S-50PY2E5B	
P. 172	4 Way 90x90 Cassette Inverter+ • **R32 refrigerant**		S-36PU2E5B	S-45PU2E5B	S-50PU2E5B	S-60PU2E5B
P. 176	Ceiling Inverter+ • **R32 refrigerant**		S-36PT2E5B	S-45PT2E5B	S-50PT2E5B	S-60PT2E5B
P. 121	Low Static Pressure Hide Away Inverter • **R32 refrigerant**	CS-Z25UD3EAW	CS-Z35UD3EAW		CS-Z50UD3EAW	CS-Z60UD3EAW
P. 180	High Static Pressure Hide Away Inverter+ • **R32 refrigerant**		S-36PF1E5B	S-45PF1E5B	S-50PF1E5B	S-60PF1E5B
P. 184	Low Static Pressure Hide Away Inverter+ • **R32 refrigerant**		S-36PN1E5B	S-45PN1E5B	S-50PN1E5B	S-60PN1E5B
P. 188	High Static Pressure Hide Away 20-25 kW Inverter+ • **R32 refrigerant**					
P. 206	Air Handling Unit Kit 3,6-25,0 kW				PAW-280PAH2(M/L)	PAW-280PAH2(M/L)

Outdoor units		3,6 kW		5,0 kW	6,0 kW
PACi Elite • **R32 refrigerant**		U-36PZH2E5		U-50PZH2E5	U-60PZH2E5
PACi Standard • **R32 refrigerant**					U-60PZ2E5

1) The 4,5 kW indoor unit are only available only for Twin, Triple and Double-Twin combinations. * U-__E5 Single Phase / U-__E8 Three Phase.

7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
KIT-Z71-TKEA					
S-71PK2E5B	S-100PK2E5B (9,0 kW)				
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	S-250PE3E5B
PAW-280PAH2(M/L)	PAW-280PAH2(M/L)	PAW-280PAH2(M/L)	PAW-280PAH2(M/L)	PAW-280PAH2(M/L)	PAW-280PAH2(M/L)

7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
U-71PZH2E5 / U-71PZH2E8	U-100PZH2E5 / U-100PZH2E8	U-125PZH2E5 / U-125PZH2E8	U-140PZH2E5 / U-140PZH2E8	U-200PZH2E8	U-250PZH2E8
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.

NON STOP OPERATION **24/7** 365

1 Designed for 24h/7d a week operation
High efficiency all year round. This Wall-mounted air conditioner is designed for professional, critical applications such as computer rooms where reliable cooling inside the room is necessary even when the outside temperature is low.

2 High seasonal performance
Highest Energy Rating: A+++ (2,5 to 5,0 kW units). Highly efficient performance - even at -20 °C outside.
Uses new R32 refrigerant.

3 Server room logic control
PAW-SERVER-PKEA: Group wiring of 2 TKEA systems ensures auto individual control.
BMS interface: Panasonic offer different interfaces for integrate to Modbus and BACnet.

4 More comfort
Indoor Fan. Cross-Flow-Fan: High durability rolling bearings, large size (φ105 mm) fan. High efficiency blade. Random pitch blade (low sound)
Compressor: DC2P Panasonic original compressor, with high efficiency and reliability.

High efficiency all the year

Key points:
· From 2,5 to 7,1 kW with TKEA R32 refrigerant 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!
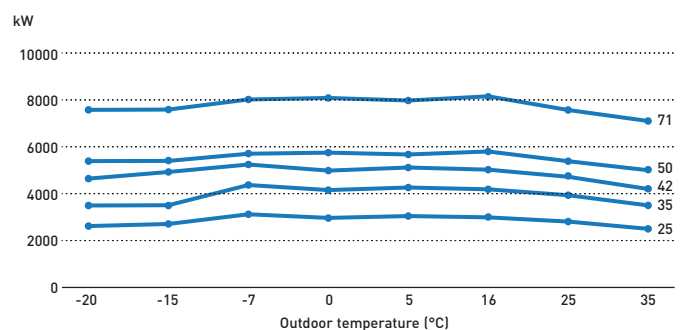
PAW-SERVER-PKEA Logic

Rotation operation time line.
Every 12 hours units change operation On/Off to increase compressor lifecycle.
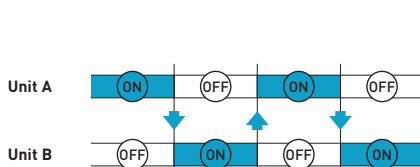
Back up operation time line.
When unit A has an error, unit B switches on automatically and gives the error output signal.
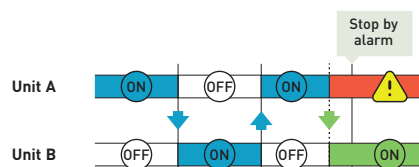
Support operation time line.
When room temperature rises to than 28 °C, both units work together and automatically give an output error signal.
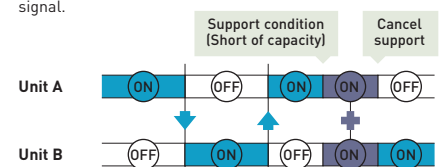
Wall-mounted Professional Inverter -20 °C • R32 refrigerant

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 refrigerant 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-SERVER-PKEA*	PCB for installation in server rooms with security

Accessories	
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm

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 1 m in front of the main body and 0,8 m below the unit. For outdoor unit 1 m in front and 1 m 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 70 mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.
* Only one of these can be used at a time.

R32 | A+++ 8,50 SEER | A+ 4,50 SCOP | INVERTER | R2 ROTARY COMPRESSOR | 21dB(A) | AEROWINGS | -20°C COOLING MODE | -15°C HEATING MODE | R22 R410A R32 R22/R410A RENEWAL | INTEGRATION TO P-LINK | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

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 refrigerant

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-RTC5B

CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.

CZ-RWS3
Optional Controller.
Infrared remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase				
			3,6 kW	5,0 kW	6,0 kW	7,1 kW	9,0 kW
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	3,6 (1,5~4,0)	5,0 (1,5~5,6)	6,1 (2,0~7,1)	7,1 (2,2~9,0)	9,5 (3,1~10,5)
EER [1]		W/W	4,90	4,10	3,86	3,50	3,26
SEER [2]			8,0 A++	7,6 A++	7,2 A++	6,8 A++	6,4 A++
Pdesign		kW	3,6	5,0	6,1	7,1	9,5
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	4,0 (1,5~5,0)	5,6 (1,5~6,5)	7,0 (1,8~8,0)	8,0 (2,0~9,0)	9,5 (3,1~11,5)
COP [1]		W/W	4,94	4,21	4,46	4,00	3,97
SCOP [2]			4,9 A++	4,7 A++	4,8 A++	4,7 A++	4,1 A+
Pdesign at -10 °C		kW	3,6	4,5	6,0	5,2	8,0
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	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	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(A)	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	-20 [6]~+46
	Heat Min ~ Max	°C	-20~+24	-20~+24	-20~+24	-20~+24	-20~+24

Accessories	
CZ-RTC6	NEW Wired remote controller (non-wireless)
CZ-RTC6BL	NEW Wired remote controller with Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3	Infrared remote controller
CZ-CAPWFC1	Commercial WLAN Adaptor
PAW-PACR3	Interfaces to run 3 units on Backup and alternative run

Accessories	
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm
CZ-CENSC1	Econavi energy savings sensor

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

Zone for cooling

Zone for heating

			Three Phase	
			7,1 kW	9,0 kW
KIT			**KIT-71PK2ZH8**	**KIT-100PK2ZH8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,1 (2,2 ~ 9,0)	9,5 (3,1 ~ 10,5)
EER [1]		W/W	3,50	3,26
SEER [2]			**6,7 A++**	**6,3 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	8,0 (2,0 ~ 9,0)	9,5 (3,1 ~ 11,5)
COP [1]		W/W	4,00	3,97
SCOP [2]			**4,7 A++**	**4,1 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	m³/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	A	3,20 - 3,05 - 2,95	4,60 - 4,35 - 4,20
	Heat	A	3,10 - 3,00 - 2,85	3,75 - 3,55 - 3,45
Air volume	Cool / Heat	m³/min	61 / 60	118 / 108
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52
Sound power	Cool / Heat (Hi)	dB(A)	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	-20 [6] ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, 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 m in front of the main body and 1 m 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. 6) For models 100 ~ 140PZH2E5(8), it is possible to operate the lowest -20 °C in the computer rooms with the piping length of 30 m or less. * Recommended fuse for the indoor 3 A.

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 refrigerant

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-RTC5B

CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.

CZ-RWS3
Optional Controller.
Infrared remote controller.

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase		
			6,0 kW	**7,1 kW**	**9,0 kW**
KIT			KIT-60PK2Z5	KIT-71PK2Z5	KIT-100PK2Z5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	6,1 (2,0 - 7,1)	7,1 (2,0 - 7,7)	9,0 (3,0 - 9,7)
EER [1]	Nominal (Min - Max)	W/W	3,79	3,21	3,47 (5,36 - 3,13)
SEER [2]			**6,8 A++**	**6,4 A++**	**6,5 A++**
Pdesign		kW	6,1	7,1	9,0
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	6,1 (1,8 - 7,0)	7,1 (1,8 - 8,1)	9,0 (3,0 - 10,5)
COP [1]	Nominal (Min - Max)	W/W	4,80	4,41	3,93 (5,36 - 3,56)
SCOP [2]			**4,7 A++**	**4,6 A++**	**3,9 A**
Pdesign at -10 °C		kW	6,0	6,0	9,0
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	m³/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(A)	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	A	7,85 - 7,50 - 7,20	10,70 - 10,20 - 9,85	12,10 - 11,50 - 11,10
	Heat	A	6,10 - 5,85 - 5,60	7,85 - 7,50 - 7,20	10,60 - 10,20 - 9,70
Air volume	Cool / Heat	m³/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(A)	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-RTC6	**NEW** Wired remote controller (non-wireless)
CZ-RTC6BL	**NEW** Wired remote controller with Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3	Infrared remote controller
CZ-CAPWFC1	Commercial WLAN Adaptor
PAW-PACR3	Interfaces to run 3 units on Backup and alternative run

Accessories	
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm
CZ-CENSC1	Econavi energy savings sensor

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

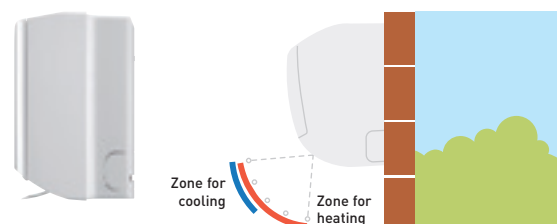These units are among the quietest in the industry, making them ideal for hotels and hospitals.

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

Zone for cooling — Zone for heating

			Three Phase
			9,0 kW
KIT			**KIT-100PK2Z8**
Remote controller			**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	9,0 (3,0 - 9,7)
EER [1]	Nominal (Min - Max)	W/W	3,47 (5,36 - 3,13)
SEER [2]			**6,5 A++**
Pdesign		kW	9,0
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	9,0 (3,0 - 10,5)
COP [1]	Nominal (Min - Max)	W/W	3,93 (5,36 - 3,56)
SCOP [2]			**3,9 A**
Pdesign at -10 °C		kW	9,0
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	m³/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(A)	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	A	4,10 - 3,90 - 3,75
	Heat	A	3,60 - 3,45 - 3,30
Air volume	Cool / Heat	m³/min	76 / 70
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52
Sound power	Cool / Heat (Hi)	dB(A)	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) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, 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 m in front of the main body and 1 m 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 3 A.

R32 | A++ 6,8 SEER | A++ 4,7 SCOP | INVERTER+ | -10°C COOLING MODE | -15°C HEATING MODE | DC FAN | R22 R410A RENEWAL R32 | 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.

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

Small and powerful, ideal for offices and restaurants
Standard units only for Twin, Triple and Double-twin combinations.

CZ-RTC5B

CZ-KPY3AW
Panel 700 x 700 mm.

CZ-KPY3BW
Panel 625 x 625 mm.

CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.

CZ-RWS3
Optional Controller.
Infrared remote controller.

			Single Phase	
			3,6 kW	**5,0 kW**
KIT			**KIT-36PY2ZH5**	**KIT-50PY2ZH5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,6 (1,5 - 4,0)	5,0 (1,5 - 5,6)
EER [1]		W/W	4,68	3,68
SEER [2]			**6,6 A++**	**6,4 A++**
Pdesign		kW	3,6	5,0
Input power cooling		kW	0,77	1,36
Annual energy consumption [3]		kWh/a	191	273
Heating capacity	Nominal (Min - Max)	kW	4,0 (1,5 - 5,0)	5,6 (1,5 - 6,5)
COP [1]		W/W	4,26	3,46
SCOP [2]			**4,6 A++**	**4,3 A+**
Pdesign at -10 °C		kW	3,6	4,5
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(A)	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	A	3,65 - 3,50 - 3,35	6,35 - 6,10 - 5,85
	Heat	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(A)	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++ 6,6 SEER | A++ 4,6 SCOP | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | DC FAN | 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 850 mm 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 600x600 mm ceiling grid without the need to alter the bar configuration.

A drain height of approximately 850 mm from the ceiling surface

The drain height can be increased by approx. 350 mm 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 288 mm, making installation possible even in narrow ceilings.

Up to 350 mm
Up to 850 mm
Up to 288 mm
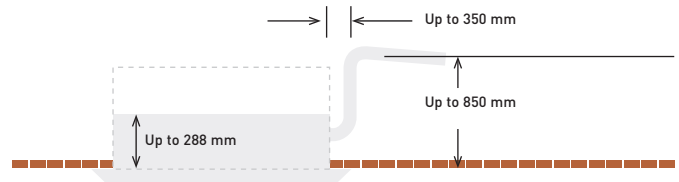
Significant reduction of power consumption by using highly developed DC fan motors with variable speed, special heat exchangers, etc.

			3,6 kW	4,5 kW	5,0 kW
Indoor unit			**S-36PY2E5B**	**S-45PY2E5B[1]**	**S-50PY2E5B**
Cooling capacity		kW	3,6	4,5	5,0
Heating capacity		kW	4,0	5,2	5,6
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)	m³/min	9,7 / 8,0 / 6,0	10,0 / 8,8 / 7,0	11,1 / 9,8 / 8,5
	Heat (Hi / Med / Lo)	m³/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 [6]	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(A)	51 / 47 / 41	53 / 49 / 43	55 / 52 / 48
	Heat (Hi / Med / Lo)	dB(A)	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 3 A.

Accessories	
CZ-RTC6	**NEW** Wired remote controller (non-wireless)
CZ-RTC6BL	**NEW** Wired remote controller with Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3	Infrared remote controller
CZ-CAPWFC1	Commercial WLAN Adaptor

Accessories	
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm
CZ-CENSC1	Econavi energy savings sensor

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

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 Technology, the U2 Panasonic 4 way 90x90 Cassette offers high energy saving, fresh air and comfort.

CZ-KPU3W Standard panel.

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

CZ-CNEXU1 Optional nanoe X Generator Mark 1 kit (CZ-RTC5B is required).

CZ-RTC5B

CZ-RTC6 CZ-RTC6BL Optional Controller. Wired remote controller.

CZ-RWS3 + CZ-RWRU3W Optional Controller. Infrared remote controller.

			Single Phase						
			3,6 kW	5,0 kW	6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW
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	3,6 (1,5 - 4,0)	5,0 (1,5 - 5,6)	6,0 (2,0 - 7,1)	7,1 (2,2 - 9,0)	10,0 (3,1 - 12,5)	12,5 (3,2 - 14,0)	14,0 (3,3 - 16,0)
EER [1]		W/W	5,22	4,31	4,05	4,06	4,41	3,80	3,41
SEER [2]			8,5 A+++	8,2 A++	8,0 A++	7,7 A++	7,8 A++	7,7	7,2
Pdesign		kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
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	4,0 (1,5 - 5,0)	5,6 (1,5 - 6,5)	7,0 (1,8 - 8,0)	8,0 (2,0 - 9,0)	11,2 (3,1 - 14,0)	14,0 (3,2 - 16,0)	16,0 (3,3 - 18,0)
COP [1]		W/W	5,48	4,71	4,29	4,30	5,00	4,61	4,30
SCOP [2]			5,1 A+++	4,9 A++	4,8 A++	4,8 A++	4,9 A++	4,7	4,6
Pdesign at -10 °C		kW	3,6	4,5	6,0	5,2	8,0	9,5	10,6
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	A	3,35 - 3,20 - 3,05	5,45 - 5,25 - 5,00	7,30 - 6,70 - 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	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(A)	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) / CO₂ 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	-20 [6] ~ +46	-20 [6] ~ +46	-20 [6] ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC6	NEW Wired remote controller (non-wireless)
CZ-RTC6BL	NEW Wired remote controller with Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRU3W	Infrared remote controller
CZ-CAPWFC1	Commercial WLAN Adaptor
CZ-KPU3AW	Econavi exclusive panel

Accessories	
CZ-CNEXU1	nanoe X Generator Mark 1 kit
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm
CZ-CENSC1	Econavi energy savings sensor

Technical focus

· High performance turbo fan, path system for heat exchanger
· nanoe™ X that improves indoor air quality
· 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

nanoe X Generator Mark 1 produces 4,8 trillion[1] OH radicals per second.
Greater amounts of OH radicals contained in nanoe™ X lead to outstanding effects in the inhibition of pollutants such as bacteria, viruses and allergens as well as deodorisation. A fresher and cleaner air awaits you.

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

5-20nm | Water Particle | OH Radicals

4,8 TRILLION OH RADICALS / PER SECOND

			Three Phase			
			7,1 kW	**10,0 kW**	**12,5 kW**	**14,0 kW**
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	7,1 (2,2 ~ 9,0)	10,0 (3,1 ~ 12,5)	12,5 (3,2 ~ 14,0)	14,0 (3,3 ~ 16,0)
EER [1]		W/W	4,06	4,41	3,80	3,41
SEER [2]			**7,6 A++**	**7,7 A++**	**7,6**	**7,2**
Pdesign		kW	7,1	10,0	12,5	14,0
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	8,0 (2,0 ~ 9,0)	11,2 (3,1 ~ 14,0)	14,0 (3,2 ~ 16,0)	16,0 (3,3 ~ 18,0)
COP [1]		W/W	4,30	5,00	4,61	4,30
SCOP [2]			**4,8 A++**	**4,9 A++**	**4,7**	**4,6**
Pdesign at -10 °C		kW	5,2	8,0	9,5	10,6
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	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	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(A)	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	-20 [6] ~ +46	-20 [6] ~ +46	-20 [6] ~ +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) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, 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 m 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. 6) For models 100 ~ 140PZH2E5(8), it is possible to operate the lowest -20 °C in the computer rooms with the piping length of 30 m or less. * Recommended fuse for the indoor 3 A.

R32 | A+++ 8,5 SEER | A+++ 5,1 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 refrigerant

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 Technology, the U2 Panasonic 4 way 90x90 Cassette offers high energy saving, fresh air and comfort.

CZ-KPU3W
Standard panel.

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

nanoeX

CZ-CNEXU1
Optional nanoe X Generator Mark 1 kit (CZ-RTC5B is required).

CZ-RTC5B

**CZ-RTC6
CZ-RTC6BL**
Optional Controller. Wired remote controller.

**CZ-RWS3 +
CZ-RWRU3W**
Optional Controller. Infrared remote controller.

			Single Phase				
			6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW
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	6,0 (2,0 ~ 7,1)	7,1 (2,0 ~ 7,7)	10,0 (3,0 - 11,5)	12,5 (3,2 - 13,5)	14,0 (3,3 - 15,0)
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]			7,6 A++	7,6 A++	6,8 A++	6,8	6,5
Pdesign		kW	6,0	7,1	10,0	12,5	14,0
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	6,0 (1,8 ~ 7,0)	7,1 (1,8 ~ 8,1)	10,0 (3,0 - 14,0)	12,5 (3,3 - 15,0)	14,0 (3,4 - 16,0)
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]			4,7 A++	4,7 A++	4,4 A+	4,0	3,9
Pdesign at -10 °C		kW	6,0	6,0	10,0	12,5	14,0
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(A)	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	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	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(A)	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-RTC6	NEW Wired remote controller (non-wireless)
CZ-RTC6BL	NEW Wired remote controller with Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRU3W	Infrared remote controller
CZ-CAPWFC1	Commercial WLAN Adaptor
CZ-KPU3AW	Econavi exclusive panel

Accessories	
CZ-CNEXU1	nanoe X Generator Mark 1 kit
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm
CZ-CENSC1	Econavi energy savings sensor

Technical focus

· High performance turbo fan, path system for heat exchanger
· nanoe™ X that improves indoor air quality
· 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

nanoe X Generator Mark 1 produces 4,8 trillion[1] OH radicals per second.
Greater amounts of OH radicals contained in nanoe™ X lead to outstanding effects in the inhibition of pollutants such as bacteria, viruses and allergens as well as deodorisation. A fresher and cleaner air awaits you.

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

Water Particle

5-20nm

OH Radicals

4,8 TRILLION OH RADICALS / PER SECOND

			Three Phase		
			10,0 kW	12,5 kW	14,0 kW
KIT			**KIT-100PU2Z8**	**KIT-125PU2Z8**	**KIT-140PU2Z8**
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	10,0 (3,0 - 11,5)	12,5 (3,2 - 13,5)	14,0 (3,3 - 15,0)
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]			**6,7 A++**	**6,7**	**6,5**
Pdesign		kW	10,0	12,5	14,0
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	10,0 (3,0 - 14,0)	12,5 (3,3 - 15,0)	14,0 (3,4 - 16,0)
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]			**4,4 A+**	**4,0**	**3,9**
Pdesign at -10 °C		kW	10,0	12,5	14,0
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	m³/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(A)	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	A	4,10 - 3,90 - 3,75	5,45 - 5,20 - 5,00	6,85 - 6,50 - 6,25
	Heat	A	3,15 - 3,00 - 2,90	4,40 - 4,15 - 4,00	5,25 - 4,95 - 4,80
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(A)	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) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, 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 m 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 3 A.

R32 | A++ 7,6 SEER | A++ 4,7 SCOP | 28% | ECONAVI | INVERTER+ | -10°C COOLING MODE | -15°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-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 refrigerant

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-RTC5B

CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.

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

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase						
			3,6 kW	5,0 kW	6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW
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	3,6 (1,5 - 4,0)	5,0 (1,5 - 5,6)	6,0 (2,0 - 7,1)	7,1 (2,2 - 9,0)	10,0 (3,1 - 12,5)	12,5 (3,2 - 14,0)	14,0 (3,3 - 16,0)
EER [1]		W/W	5,07	4,17	4,08	3,78	4,05	3,45	3,10
SEER [2]			7,2 A++	7,0 A++	7,2 A++	6,7 A++	7,0 A++	6,6	6,2
Pdesign		kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
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	4,0 (1,5 - 5,0)	5,6 (1,5 - 6,5)	7,0 (1,8 - 8,0)	8,0 (2,0 - 9,0)	11,2 (3,1 - 14,0)	14,0 (3,2 - 16,0)	16,0 (3,3 - 18,0)
COP [1]		W/W	5,19	4,34	4,43	4,15	4,31	3,99	3,67
SCOP [2]			4,8 A++	4,6 A++	4,7 A++	4,6 A++	4,6 A++	4,4	4,3
Pdesign at -10 °C		kW	3,6	4,5	6,0	5,2	8,0	9,5	10,6
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	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	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(A)	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	-20 [6] ~ +46	-20 [6] ~ +46	-20 [6] ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC6	**NEW** Wired remote controller (non-wireless)
CZ-RTC6BL	**NEW** Wired remote controller with Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRT3	Infrared remote controller
CZ-CAPWFC1	Commercial WLAN Adaptor

Accessories	
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm
CZ-CENSC1	Econavi energy savings sensor

Technical focus

· Wide air distribution for large rooms
· Horizontal air flow reaches maximum 9,5 m
· Fresh air connection available on the unit
· Slim design with 235 m 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

Zone for cooling
Zone for heating

Further comfort improvement with airflow distribution

Horizontal air flow reaches maximum 9,5 m. 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.

Maximum 9,5 m

			Three Phase			
			7,1 kW	**10,0 kW**	**12,5 kW**	**14,0 kW**
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	7,1 (2,2 - 9,0)	10,0 (3,1 - 12,5)	12,5 (3,2 - 14,0)	14,0 (3,3 - 16,0)
EER [1]		W/W	3,78	4,05	3,45	3,10
SEER [2]			**6,6 A++**	**6,9 A++**	**6,6**	**6,2**
Pdesign		kW	7,1	10,0	12,5	14,0
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	8,0 (2,0 - 9,0)	11,2 (3,1 - 14,0)	14,0 (3,2 - 16,0)	16,0 (3,3 - 18,0)
COP [1]		W/W	4,15	4,31	3,99	3,67
SCOP [2]			**4,6 A++**	**4,6 A++**	**4,4**	**4,3**
Pdesign at -10 °C		kW	5,2	8,0	9,5	10,6
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	m³/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	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	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	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(A)	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	-20 [6] ~ +46	-20 [6] ~ +46	-20 [6] ~ +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) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, 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 m in front of the main body and 1 m 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. 6) For models 100 ~ 140PZH2E5(8), it is possible to operate the lowest -20 °C in the computer rooms with the piping length of 30 m or less. * Recommended fuse for the indoor 3 A.

R32 | A++ 7,2 SEER | A++ 4,8 SCOP | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | 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 refrigerant

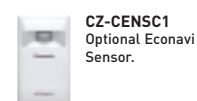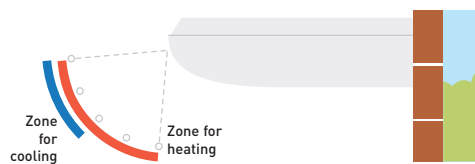**Ceiling mounted units provide large and wide air distribution which is good for big rooms**

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

CZ-RTC5B

CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.

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

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase				
			6,0 kW	**7,1 kW**	**10,0 kW**	**12,5 kW**	**14,0 kW**
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	6,0 (2,0 ~ 7,1)	7,1 (2,0 ~ 7,7)	10,0 (3,0 - 11,5)	12,5 (3,2 - 13,5)	14,0 (3,3 - 15,0)
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]			**6,8 A++**	**6,5 A++**	**6,5 A++**	**5,8**	**5,5**
Pdesign		kW	6,0	7,1	10,0	12,5	14,0
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	6,0 (1,8 ~ 7,0)	7,1 (1,8 ~ 8,1)	10,0 (3,0 - 14,0)	12,5 (3,3 - 15,0)	14,0 (3,4 - 16,0)
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]			**4,6 A++**	**4,3 A+**	**4,2 A+**	**3,8**	**3,7**
Pdesign at -10 °C		kW	6,0	6,0	10,0	12,5	13,6
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	m³/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(A)	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	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	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	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(A)	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-RTC6	NEW Wired remote controller (non-wireless)
CZ-RTC6BL	NEW Wired remote controller with Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRT3	Infrared remote controller
CZ-CAPWFC1	Commercial WLAN Adaptor

Accessories	
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm
CZ-CENSC1	Econavi energy savings sensor

Technical focus

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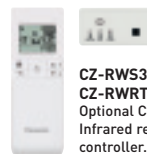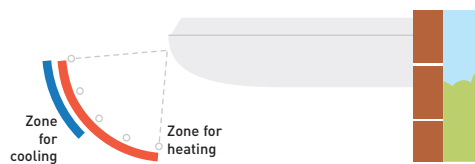· Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be controlled by the remote control of the Panasonic indoor unit
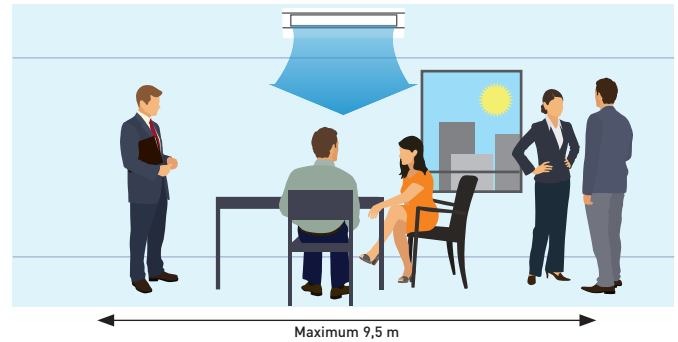
Air distribution is altered depending on the operational mode

Zone for cooling
Zone for heating

Further comfort improvement with airflow distribution

Horizontal air flow reaches maximum 9,5 m. 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.

Maximum 9,5 m

			Three Phase		
			10,0 kW	**12,5 kW**	**14,0 kW**
KIT			**KIT-100PT2Z8**	**KIT-125PT2Z8**	**KIT-140PT2Z8**
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	10,0 (3,0 - 11,5)	12,5 (3,2 - 13,5)	14,0 (3,3 - 15,0)
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]			**6,5 A++**	**5,8**	**5,5**
Pdesign		kW	10,0	12,5	14,0
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	10,0 (3,0 - 14,0)	12,5 (3,3 - 15,0)	14,0 (3,4 - 16,0)
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]			**4,2 A+**	**3,8**	**3,7**
Pdesign at -10 °C		kW	10,0	12,5	13,6
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(A)	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	A	4,37 - 4,15 - 4,00	5,90 - 5,60 - 5,40	7,40 - 7,05 - 6,80
	Heat	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(A)	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) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, 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 m in front of the main body and 1 m 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 3 A.

R32   A++ 6,8 SEER   A++ 4,6 SCOP   INVERTER+   -10°C COOLING MODE   -15°C HEATING MODE   R22/R410A RENEWAL   OPTIONAL WLAN   BMS CONNECTIVITY   5 YEARS COMPRESSOR WARRANTY

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.

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

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

CZ-RTC5B

CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.

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

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase						
			3,6 kW	5,0 kW	6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW
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	3,6 (1,5 - 4,0)	5,0 (1,5 - 5,6)	6,0 (2,0 - 7,1)	7,1 (2,2 - 9,0)	10,0 (3,1 - 12,5)	12,5 (3,2 - 14,0)	14,0 (3,3 - 16,0)
EER [1]		W/W	4,74	4,03	3,68	3,84	4,13	3,52	3,26
SEER [2]			6,1 A++	5,9 A+	6,4 A++	6,5 A++	6,2 A++	5,9	5,7
Pdesign		kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
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	4,0 (1,5 - 5,0)	5,6 (1,5 - 6,5)	7,0 (1,8 - 8,0)	8,0 (2,0 - 9,0)	11,2 (3,1 - 14,0)	14,0 (3,2 - 16,0)	16,0 (3,3 - 18,0)
COP [1]		W/W	4,76	4,18	4,14	4,00	4,31	4,02	3,65
SCOP [2]			4,3 A+	4,2 A+	4,3 A+	4,6 A++	4,4 A+	4,3	4,2
Pdesign at -10 °C		kW	3,6	4,0	6,0	5,2	8,0	9,5	10,6
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	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	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(A)	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	-20 [7] ~ +46	-20 [7] ~ +46	-20 [7] ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories

CZ-RTC6	**NEW** Wired remote controller (non-wireless)
CZ-RTC6BL	**NEW** Wired remote controller with Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-CAPWFC1	Commercial WLAN Adaptor
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform

Accessories

PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm
CZ-CENSC1	Econavi energy savings sensor
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

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

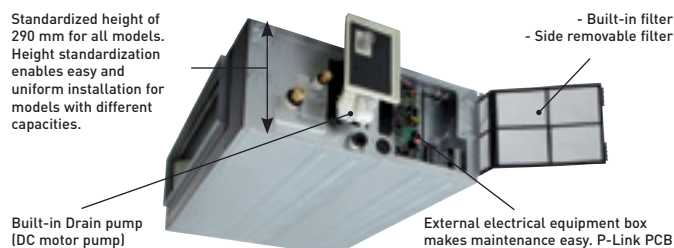| Type			36	45	50	60	71	100	125	140
Standard	Pa		70	70	70	70	70	100	100	100
Maximum available setting	Pa		150	150	150	150	150	150	150	150

More powerful drain pump

Using a high-lift drain pump, drain piping can be elevated up to 785 mm 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 290 mm for all models. Height standardization enables easy and uniform installation for models with different capacities.

Built-in Drain pump (DC motor pump)

- Built-in filter
- Side removable filter

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

			Three Phase			
			7,1 kW	**10,0 kW**	**12,5 kW**	**14,0 kW**
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	7,1 (2,2 - 9,0)	10,0 (3,1 - 12,5)	12,5 (3,2 - 14,0)	14,0 (3,5 - 16,0)
EER [1]		W/W	3,84	4,13	3,52	3,26
SEER [2]			**6,4 A++**	**6,1 A++**	**5,9**	**5,7**
Pdesign		kW	7,1	10,0	12,5	14,0
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	8,0 (2,0 - 9,0)	11,2 (3,1 - 14,0)	14,0 (3,2 - 16,0)	16,0 (3,3 - 18,0)
COP [1]		W/W	4,00	4,31	4,02	3,65
SCOP [2]			**4,6 A++**	**4,4 A+**	**4,3**	**4,2**
Pdesign at -10 °C		kW	5,2	8,0	9,5	10,6
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	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	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(A)	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	-20 [7] ~ +46	-20 [7] ~ +46	-20 [7] ~ +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) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, 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 m 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. 7) For models 100 ~ 140PZH2E5(8), it is possible to operate the lowest -20 °C in the computer rooms with the piping length of 30 m or less.
* Recommended fuse for the indoor 3 A.

R32   A++ 6,5 SEER   A++ 4,6 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.

Standard High Static Pressure Hide Away Inverter+ • R32 refrigerant

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

CZ-RTC5B

**CZ-RTC6
CZ-RTC6BL**
Optional Controller.
Wired remote controller.

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

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase				
			6,0 kW	**7,1 kW**	**10,0 kW**	**12,5 kW**	**14,0 kW**
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	6,0 (2,0 ~ 7,10)	7,1 (2,0 ~ 7,70)	10,0 (3,0 - 11,50)	12,5 (3,2 - 13,50)	14,0 (3,3 - 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]			6,1 A++	6,1 A++	5,6 A+	5,6	5,4
Pdesign		kW	6,0	7,1	10,0	12,5	14,0
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	6,0 (1,8 ~ 7,00)	7,1 (1,8 ~ 8,10)	10,0 (3,0 - 14,00)	12,5 (3,3 - 15,00)	14,0 (3,4 - 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]			4,2 A+	4,3 A+	3,8 A	3,6	3,5
Pdesign at -10 °C		kW	6,0	6,0	10,0	12,5	13,6
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(A)	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	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	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(A)	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-RTC6	NEW Wired remote controller (non-wireless)
CZ-RTC6BL	NEW Wired remote controller with Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-CAPWFC1	Commercial WLAN Adaptor
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm
CZ-CENSC1	Econavi energy savings sensor
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

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

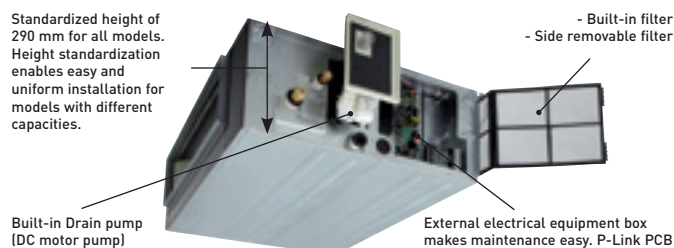| Type		60	71	100	125	140
Standard	Pa	70	70	100	100	100
Maximum available setting	Pa	150	150	150	150	150

More powerful drain pump

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

Plenums

Air outlet plenum (without regulation adaptor)			Air inlet plenum		
	Diameters	Model		Diameters	Model
60 & 71	3 x Ø 200	CZ-90DAF2	60 & 71	3 x Ø 200	CZ-DUMPA90MF2
100, 125 & 140	4 x Ø 200	CZ-160DAF2	100, 125 & 140	4 x Ø 200	CZ-DUMPA160MF2

Standardized height of 290 mm 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		
			10,0 kW	12,5 kW	14,0 kW
KIT			**KIT-100PF1Z8**	**KIT-125PF1Z8**	**KIT-140PF1Z8**
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	10,0 (3,0 - 11,50)	12,5 (3,2 - 13,50)	14,0 (3,3 - 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]			**5,6 A+**	**5,6**	**5,4**
Pdesign		kW	10,0	12,5	14,0
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	10,0 (3,0 - 14,00)	12,5 (3,3 - 15,00)	14,0 (3,4 - 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]			**3,8 A**	**3,6**	**3,5**
Pdesign at -10 °C		kW	10,0	12,5	13,6
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	m³/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(A)	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	A	4,15 - 3,95 - 3,80	5,40 - 5,10 - 4,95	6,75 - 6,40 - 6,15
	Heat	A	3,45 - 3,30 - 3,20	4,70 - 4,45 - 4,30	5,60 - 5,30 - 5,15
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(A)	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) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, 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 m 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 unit 3 A.

R32   A++ 6,1 SEER   A+ 4,3 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-71PF1Z5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Panasonic

R32

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

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

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

CZ-RTC5B

CZ-RTC6 / CZ-RTC6BL
Optional Controller. Wired remote controller.

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

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase						
			3,6 kW	5,0 kW	6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW
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	3,6 (1,5 - 4,0)	5,0 (1,5 - 5,6)	6,0 (2,0 - 7,1)	7,1 (2,0 - 9,0)	10,0 (3,1 - 12,5)	12,5 (3,2 - 14,0)	14,0 (3,3 - 16,0)
EER [1]		W/W	3,85	3,40	3,41	3,40	3,95	3,35	3,15
SEER [2]			5,1 A	5,1 A	6,0 A+	6,0 A+	6,0 A+	6,0	5,8
Pdesign		kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
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	4,0 (1,5 - 5,0)	5,6 (1,5 - 6,5)	7,0 (1,8 - 7,0)	8,0 (2,0 - 9,0)	11,2 (3,1 - 14,0)	14,0 (3,3 - 16,0)	16,0 (3,3 - 18,0)
COP [1]		W/W	4,40	3,50	3,80	3,90	4,00	3,70	3,50
SCOP [2]			4,0 A+	4,0 A+	4,0 A+	4,0 A+	4,0 A+	3,9	3,8
Pdesign at -10 °C		kW	3,6	3,8	5,6	5,2	8,0	9,5	10,6
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		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 - 7,90 - 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(A)	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	-20 [7] ~ +46	-20 [7] ~ +46	-20 [7] ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories

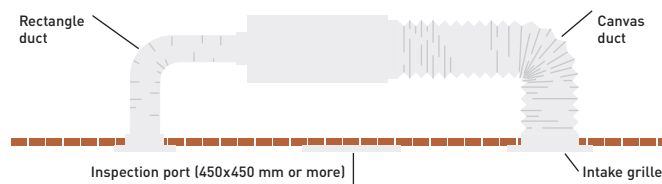|	
CZ-RTC6	NEW Wired remote controller (non-wireless)
CZ-RTC6BL	NEW Wired remote controller with Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-CAPWFC1	Commercial WLAN Adaptor

Accessories

PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm
CZ-CENSC1	Econavi energy savings sensor

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 250 mm 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
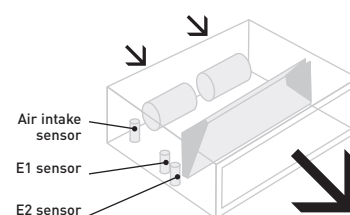
System Example

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

Rectangle duct / Canvas duct / Inspection port (450x450 mm or more) / Intake grille

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.

Air intake sensor / E1 sensor / E2 sensor

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

			Three Phase			
			7,1 kW	10,0 kW	12,5 kW	14,0 kW
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	7,1 (2,2 - 9,0)	10,0 (3,1 - 12,5)	12,5 (3,2 - 14,0)	14,0 (3,3 - 16,0)
EER [1]		W/W	3,40	3,95	3,35	3,15
SEER [2]			5,9 A+	5,9 A+	5,9	5,8
Pdesign		kW	7,1	10,0	12,5	14,0
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	8,0 (2,0 - 9,0)	11,2 (3,1 - 14,0)	14,0 (3,3 - 16,0)	16,0 (3,3 - 18,0)
COP [1]		W/W	3,90	4,00	3,70	3,60
SCOP [2]			4,0 A+	4,0 A+	3,9	3,8
Pdesign at -10 °C		kW	5,2	8,0	9,5	10,6
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		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(A)	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	-20 [7] ~ +46	-20 [7] ~ +46	-20 [7] ~ +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) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, 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 m 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. 7) For models 100 ~ 140PZH2E5(8), it is possible to operate the lowest -20 °C in the computer rooms with the piping length of 30 m or less.
* Recommended fuse for the indoor 3 A.

R32 | A+ 6,0 SEER | A+ 4,0 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 refrigerant

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

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

CZ-RTC5B

CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.

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

CZ-CENSC1
Optional Econavi Sensor.

			Single Phase				
			6,0 kW	**7,1 kW**	**10,0 kW**	**12,5 kW**	**14,0 kW**
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	6,0 (2,0 ~ 7,1)	7,1 (2,0 ~ 7,7)	10,0 (3,0 - 11,5)	12,5 (3,2 - 13,5)	14,0 (3,3 - 15,0)
EER [1]		W/W	3,31	3,11	3,30	3,20	3,00
SEER [2]			**5,8 A+**	**5,8 A+**	**5,4 A**	**5,1**	**5,0**
Pdesign		kW	6,0	7,1	10,0	12,5	14,0
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	6,0 (1,8 ~ 7,0)	7,1 (1,8 ~ 8,1)	10,0 (3,0 - 14,0)	12,5 (3,3 - 15,0)	14,0 (3,4 - 16,0)
COP [1]		W/W	3,90	3,72	3,91	3,60	3,55
SCOP [2]			**4,0 A+**	**4,0 A+**	**3,9 A**	**3,6**	**3,5**
Pdesign at -10 °C		kW	5,6	5,6	7,6	12,5	14,0
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(A)	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

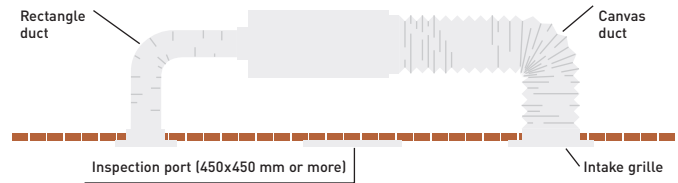|	
CZ-RTC6	**NEW** Wired remote controller (non-wireless)
CZ-RTC6BL	**NEW** Wired remote controller with Bluetooth®
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-CAPWFC1	Commercial WLAN Adaptor

Accessories

PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm
CZ-CENSC1	Econavi energy savings sensor

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 250 mm 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
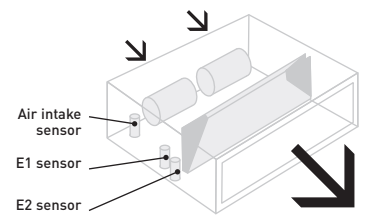
System Example

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

Rectangle duct

Canvas duct

Inspection port (450x450 mm or more)

Intake grille

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.

Air intake sensor

E1 sensor

E2 sensor

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

|			Three Phase		
			10,0 kW	12,5 kW	14,0 kW
KIT			KIT-100PN1Z8	KIT-125PN1Z8	KIT-140PN1Z8
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	10,0 (3,0 - 11,5)	12,5 (3,2 - 13,5)	14,0 (3,3 - 15,0)
EER [1]		W/W	3,30	3,21	3,01
SEER [2]			**5,4 A**	**5,1**	**5,0**
Pdesign		kW	10,0	12,5	14,0
Input power cooling		kW	3,03	3,90	4,65
Annual energy consumption [3]		kWh/a	648	—	—
Heating capacity	Nominal (Min - Max)	kW	10,0 (3,0 - 14,0)	12,5 (3,3 - 15,0)	14,0 (3,4 - 16,0)
COP [1]		W/W	3,91	3,61	3,55
SCOP [2]			**3,9 A**	**3,6**	**3,5**
Pdesign at -10 °C		kW	7,6	12,5	14,0
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(A)	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) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, 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 m 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 3 A.

R32   A+ 5,8 SEER   A+ 4,0 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.

Panasonic Big PACi Series R32

Panasonic Big PACi, not only environmental friendly but also a groundbreaking product.
Big PACi with R32 has been introduced with full renewal of its indoor unit, offering hydronic application by PACi Water Heat Exchanger.
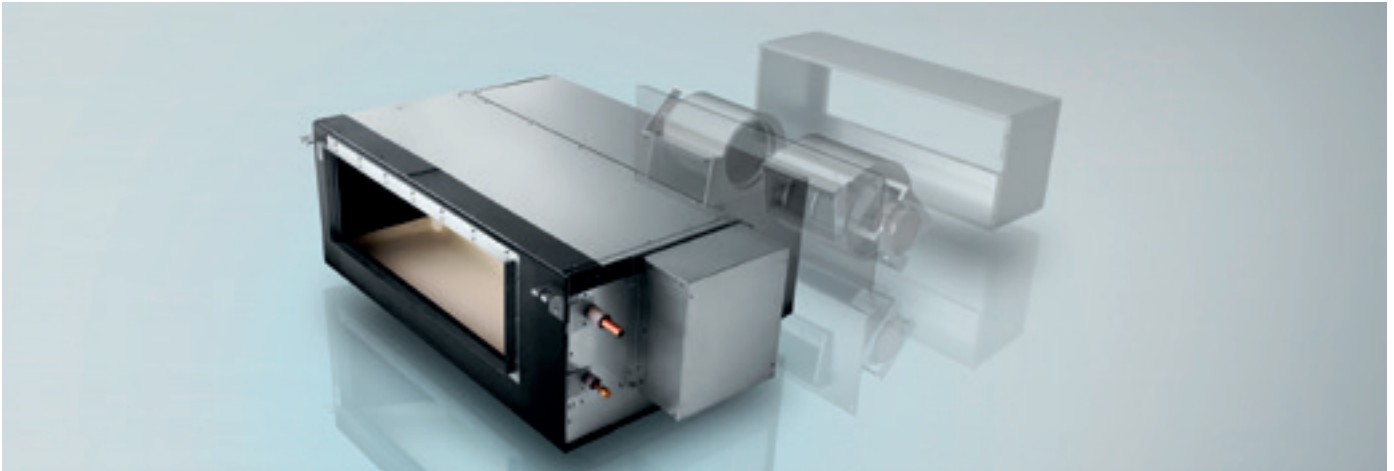
1 **Compact & light indoor body**

Compact and light indoor body, keeping the high efficiency, has a split-able design for easy installation within a limited narrow space. Plus ease of maintenance due to the simplified disassembly design.
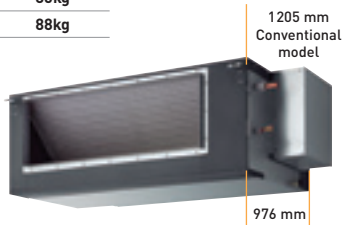
2 **Easy pipe work with split-able Hide Away indoor design**

Heat exchanger and fan elements (fan + casing) can be separated during installation. The Hide Away indoor unit is easily reassembled and will fit through a narrow space.

3 **High external static pressure, max 200 Pa* setting**

A high static pressure enables the use of long ducts for installation in a wide range of spaces.

* S-250PE3E5B.

4 **Panasonic Comfort Cloud control**

Ready to control PACi systems with Panasonic Comfort Cloud App in your smartphones.*

* Panasonic WLAN adaptor CZ-CAPWFC1 is required.

Compact and light indoor body, keeping high efficiency

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

	Conventional model	New
20,0 kW	100kg	86kg
25,0 kW	104kg	88kg

DEPTH WAS REDUCED BY 230 mm

1205 mm Conventional model

976 mm

Maximum 200Pa* static pressure setting

A high static pressure enables the use of long ducts for installation in a wide range of spaces.
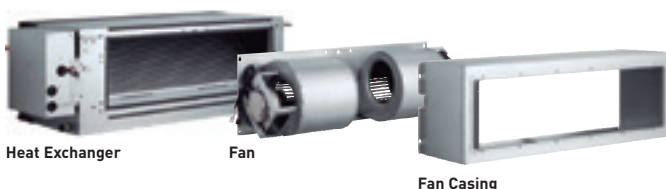
3-step static pressure set up.
Selectable of static pressure modes can change 200Pa / 130Pa / 75Pa for extra installation flexibility.

* In case of S-250PE3E5B.

200Pa* — 130Pa* — 75Pa Factory Setting

Easy Installation with Light Components

Indoor unit can easily be split into 3 components, the heaviest of which weighs only 48kg.

Heat Exchanger   Fan

Fan Casing

Dimensions of Each Component (lightweight design for easy disassembly).

48Kg	27Kg	11Kg
486 mm	377 mm	434 mm
558 mm	427 mm	360 mm

The weight is for S-200PE3E5B model.

Big PACi High Static Pressure Hide Away 20,0-25,0 kW Inverter+
• R32 refrigerant

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, has a split-able design for easy installation within a limited narrow space.

CZ-RTC5B

Technical focus

Highly efficient with compact indoor body, -16kg lighter than conventional model (10 HP) — 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

CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.

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

CZ-CENSC1
Optional Econavi
Sensor.

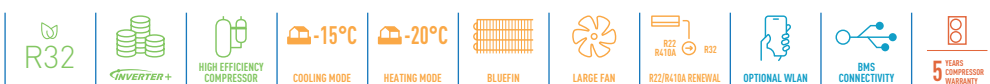|			Three Phase	
			20,0 kW	**25,0 kW**
KIT			KIT-200PE3ZH8	KIT-250PE3ZH8
Remote controller			CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	19,5 (5,7 - 21,0)	23,2 (6,1 - 27,0)
EER [1]		W/W	3,22	3,11
SEER [2]			**5,3**	**4,9**
Pdesign		kW	19,5	23,2
Input power cooling		kW	6,06	7,46
Heating capacity	Nominal (Min - Max)	kW	22,4 (5,0 - 25,0)	28,0 (5,5 - 29,0)
COP [1]		W/W	3,61	3,41
SCOP [2]			**3,6**	**3,6**
Pdesign at -10 °C		kW	17,0	20,0
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 / Net weight	H x W x D	mm / kg	486 x 1456 x 916 / 86	486 x 1456 x 916 / 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(A)	77/79	78/82
Dimension [5] / Net weight	H x W x D	mm / kg	1500 x 980 x 370 / 117	1500 x 980 x 370 / 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-RTC6	NEW Wired remote controller (non-wireless)	
CZ-RTC6BL	NEW Wired remote controller with Bluetooth®	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi	
CZ-RWS3 + CZ-RWRC3	Infrared remote controller	

Accessories	
CZ-CAPWFC1	Commercial WLAN Adaptor
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm
CZ-CENSC1	Econavi energy savings sensor

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

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 on ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

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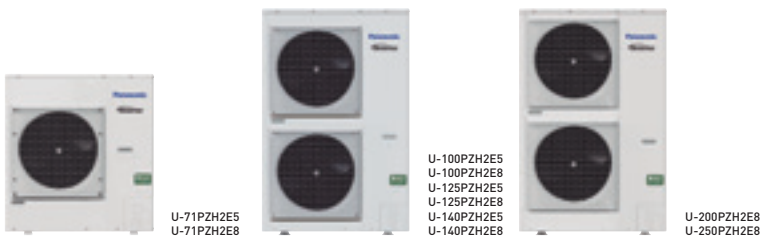# PACi Single, Twin, Triple and Double-Twin System

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-mounted, Cassette, Hide Away, Ceiling) in one system.
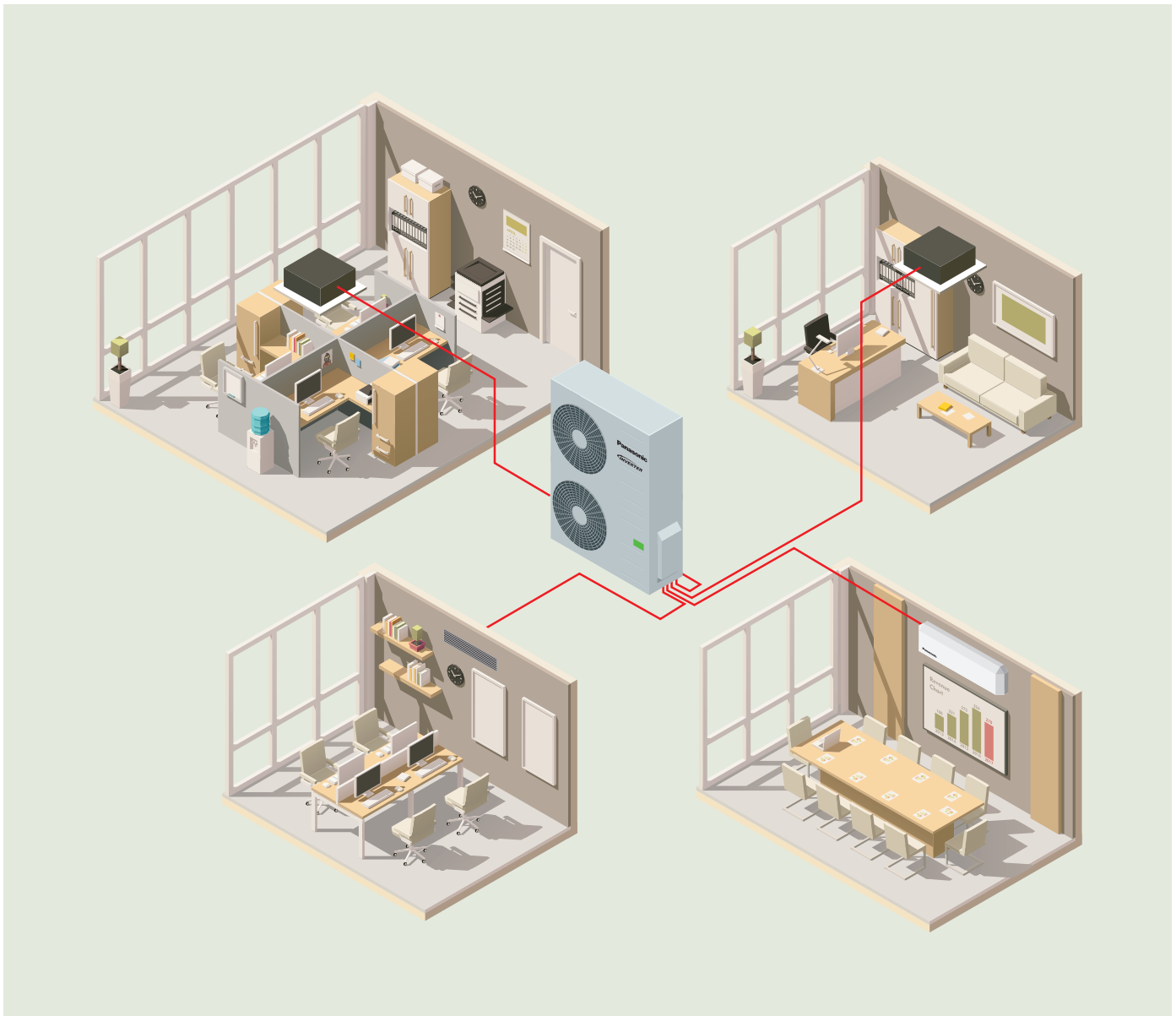
1 **PACi Standard from 7,1 to 14,0 kW**

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 7,1 to 14,0 kW**

Up to 4 indoor units can be connected to the same outdoor unit. Panasonic's PACi units 7,1, 10,0, 12,0 and 14,0 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 20,0 to 25,0 kW**

Up to 4 indoor units can be connected to the same outdoor unit. Panasonic's PACi units 20,0 and 25,0 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 refrigerant

			7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
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	U-250PZH2E8
Cooling capacity	Nominal (Min - Max)	kW	7,1 (2,2 - 9,0)	10,0 (3,1 - 12,5)	12,5 (3,2 - 14,0)	14,0 (3,3 - 16,0)	20,0 (5,7 - 22,4)	25,0 (6,1 - 28,0)
Heating capacity	Nominal (Min - Max)	kW	8,0 (2,0 - 9,0)	11,2 (3,1 - 14,0)	14,0 (3,2 - 16,0)	16,0 (3,3 - 18,0)	22,4 (5,0 - 25,0)	28,0 (5,5 - 31,5)
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(A)	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	-20 [1] ~ +46	-20 [1] ~ +46	-20 [1] ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) For models 100 ~ 140PZH2E5(8), it is possible to operate the lowest -20 °C in the computer rooms with the piping length of 30 m or less.

U-71PZ2E5

U-100PZ2E5
U-100PZ2E8
U-125PZ2E5
U-125PZ2E8
U-140PZ2E5
U-140PZ2E8
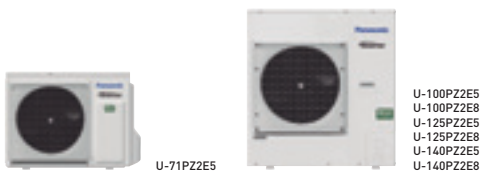
PACi Standard Outdoor units • R32 refrigerant

			7,1 kW	10,0 kW	12,5 kW	14,0 kW
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	7,1	10,0 (3,0 - 11,5)	12,5 (3,2 - 13,5)	14,0 (3,3 - 15,0)
Heating capacity	Nominal (Min - Max)	kW	7,1	10,0 (3,0 - 14,0)	12,5 (3,3 - 15,0)	14,0 (3,4 - 16,0)
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(A)	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-mounted	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
3,6 kW	S-36PK2E5B	3,6	4,2	302 x 1120 x 236	35 / 31 / 27	11,00 / 9,50 / 7,50
4,5 kW	S-45PK2E5B	4,5	5,2	302 x 1120 x 236	38 / 34 / 30	12,00 / 10,50 / 8,50
5,0 kW	S-50PK2E5B	5,0	5,6	302 x 1120 x 236	40 / 36 / 32	14,00 / 12,00 / 10,50
6,0 kW	S-60PK2E5B	6,0	7,0	302 x 1120 x 236	47 / 44 / 40	18,00 / 14,50 / 11,50
7,1 kW	S-71PK2E5B	7,1	8,0	302 x 1120 x 236	47 / 44 / 40	18,00 / 14,50 / 11,50
10,0 kW	S-100PK2E5B	10,0	11,2	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
3,6 kW	S-36PY2E5B	3,6	4,2	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	36 / 32 / 26	9,70 / 9,90
4,5 kW	S-45PY2E5B	4,5	5,2	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	38 / 34 / 28	10,00 / 10,30
5,0 kW	S-50PY2E5B	5,0	5,6	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
3,6 kW	S-36PU2E5B	3,6	4,2	256 x 840 x 840	33,5 x 950 x 950	30 / 28 / 27	14,50 / 13,00 / 11,50
4,5 kW	S-45PU2E5B	4,5	5,2	256 x 840 x 840	33,5 x 950 x 950	31 / 28 / 27	15,50 / 13,00 / 11,50
5,0 kW	S-50PU2E5B	5,0	5,6	256 x 840 x 840	33,5 x 950 x 950	32 / 29 / 27	16,50 / 13,50 / 11,50
6,0 kW	S-60PU2E5B	6,0	7,0	256 x 840 x 840	33,5 x 950 x 950	38 / 31 / 28	21,00 / 16,00 / 13,00
7,1 kW	S-71PU2E5B	7,1	8,0	256 x 840 x 840	33,5 x 950 x 950	37 / 31 / 28	22,00 / 16,00 / 13,00
10,0 kW	S-100PU2E5B	10,0	11,2	319 x 840 x 840	33,5 x 950 x 950	45 / 38 / 32	36,00 / 26,00 / 18,00
12,5 kW	S-125PU2E5B	12,5	14,0	319 x 840 x 840	33,5 x 950 x 950	46 / 39 / 33	37,00 / 27,00 / 19,00
14,0 kW	S-140PU2E5B	14,0	14,0	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
3,6 kW	S-36PT2E5B	3,6	4,2	235 x 960 x 690	35 / 32 / 30	14,00 / 12,00 / 10,50
4,5 kW	S-45PT2E5B	4,5	5,2	235 x 960 x 690	38 / 33 / 30	15,00 / 12,50 / 10,50
5,0 kW	S-50PT2E5B	5,0	5,6	235 x 960 x 690	38 / 33 / 30	15,00 / 12,50 / 10,50
6,0 kW	S-60PT2E5B	6,0	7,0	235 x 1275 x 690	39 / 36 / 33	20,00 / 17,00 / 14,50
7,1 kW	S-71PT2E5B	7,1	8,0	235 x 1275 x 690	39 / 36 / 33	21,00 / 18,00 / 15,50
10,0 kW	S-100PT2E5B	10,0	11,2	235 x 1590 x 690	42 / 38 / 35	30,00 / 25,00 / 23,00
12,5 kW	S-125PT2E5B	12,5	14,0	235 x 1590 x 690	45 / 40 / 37	34,00 / 28,00 / 24,00
14,0 kW	S-140PT2E5B	14,0	14,0	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
3,6 kW	S-36PF1E5B	3,6	4,2	290 x 800 x 700	150 / 70 / 10	33 / 29 / 25	14,00 / 13,00 / 10,00
4,5 kW	S-45PF1E5B	4,5	5,2	290 x 800 x 700	150 / 70 / 10	34 / 30 / 26	14,00 / 13,00 / 10,00
5,0 kW	S-50PF1E5B	5,0	5,6	290 x 800 x 700	150 / 70 / 10	34 / 30 / 26	16,00 / 15,00 / 12,00
6,0 kW	S-60PF1E5B	6,0	7,0	290 x 1000 x 700	150 / 70 / 10	35 / 32 / 26	21,00 / 19,00 / 15,00
7,1 kW	S-71PF1E5B	7,1	8,0	290 x 1000 x 700	150 / 70 / 10	35 / 32 / 26	21,00 / 19,00 / 15,00
10,0 kW	S-100PF1E5B	10,0	11,2	290 x 1400 x 700	150 / 100 / 10	38 / 34 / 31	32,00 / 26,00 / 21,00
12,5 kW	S-125PF1E5B	12,5	14,0	290 x 1400 x 700	150 / 100 / 10	39 / 35 / 32	34,00 / 29,00 / 23,00
14,0 kW	S-140PF1E5B	14,0	14,0	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
3,6 kW	S-36PN1E5B	3,6	4,2	250 x 780 x 650	80 / 50 / 10	40 / 38 / 35	14,00 / 12,00 / 10,00
4,5 kW	S-45PN1E5B	4,5	5,2	250 x 780 x 650	80 / 50 / 10	41 / 39 / 35	16,00 / 13,00 / 11,00
5,0 kW	S-50PN1E5B	5,0	5,6	250 x 780 x 650	80 / 50 / 10	41 / 39 / 35	16,00 / 13,00 / 11,00
6,0 kW	S-60PN1E5B	6,0	7,0	250 x 1000 x 650	80 / 50 / 10	43 / 41 / 36	22,00 / 20,00 / 16,00
7,1 kW	S-71PN1E5B	7,1	8,0	250 x 1000 x 650	80 / 50 / 10	43 / 41 / 36	22,00 / 20,00 / 16,00
10,0 kW	S-100PN1E5B	10,0	11,2	250 x 1200 x 650	80 / 50 / 10	44 / 42 / 37	36,00 / 33,00 / 26,00
12,5 kW	S-125PN1E5B	12,5	14,0	250 x 1200 x 650	80 / 50 / 10	46 / 44 / 39	38,00 / 35,00 / 28,00
14,0 kW	S-140PN1E5B	14,0	14,0	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 7,1 to 14,0 kW Single/Simultaneous operation system combinations • R32 and • R410A refrigerant

Indoor	Outdoor 7,1 kW	10,0 kW	12,5 kW	14,0 kW
3,6 kW	Twin [1] — U-71 S-36 S-36			
5,0 kW		Twin — U-100 S-50 S-50		
6,0 kW			Twin — U-125 S-60 S-60	
7,1 kW	Single [2] — U-71 S-71			Twin — U-140 S-71 S-71
10,0 kW		Single [2] — U-100 S-100		
12,5 kW			Single [2] — U-125 S-125	
14,0 kW				Single [2] — U-140 S-140

PACi Elite from 7,1 to 14,0 kW Single/Simultaneous operation system combinations • R32 and • R410A refrigerant

Indoor	Outdoor 7,1 kW	10,0 kW	12,5 kW	14,0 kW
3,6 kW	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	
4,5 kW			Triple — U-125 S-45 S-45 S-45	
5,0 kW		Twin — U-100 S-50 S-50		Triple — U-140 S-50 S-50 S-50
6,0 kW			Twin — U-125 S-60 S-60	
7,1 kW	Single [2] — U-71 S-71			Twin — U-140 S-71 S-71
10,0 kW		Single [2] — U-100 S-100		
12,5 kW			Single [2] — U-125 S-125	
14,0 kW				Single [2] — U-140 S-140

PACi Elite from 20,0 to 25,0 kW Single/Simultaneous operation system combinations • R32 and • R410A refrigerant

Indoor	Outdoor 20,0 kW	25,0 kW
5,0 kW	Double-Twin — U-200 S-50 S-50 S-50 S-50	
6,0 kW		Double-Twin — U-250 S-60 S-60 S-60 S-60
7,1 kW	Triple — U-200 S-71 S-71 S-71	
10,0 kW	Twin — U-200 S-100 S-100	
12,5 kW		Twin — U-250 S-125 S-125
20,0 kW	Single [2] — U-200 S-200	
25,0 kW		Single [2] — U-250 S-250

1) Available for only PZ2 (R32) model with limitations of main pipe and branch pipe. Please contact an authorized Panasonic dealer. 2) PACi 1x1 Kit solution.

Single

Twin
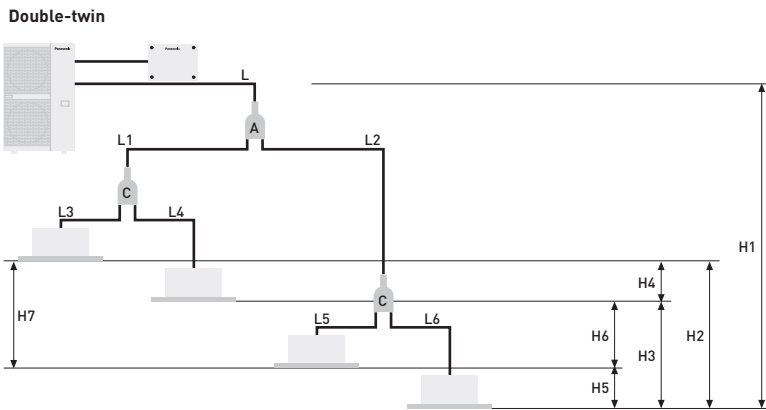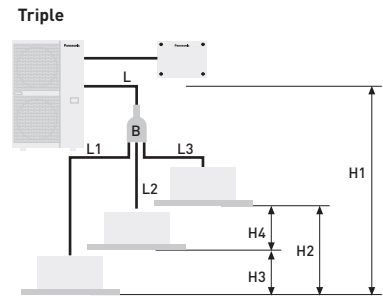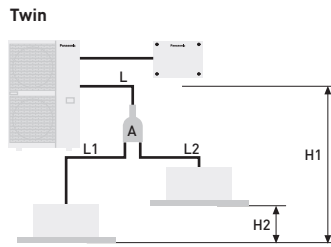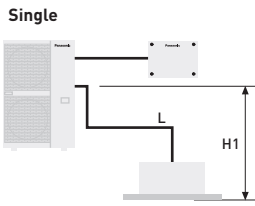
Triple

Double-twin

PACi Standard Twin System from 7,1 to 14,0 kW
Joint distribution (sold separately)
A= CZ-P224BK2BM

PACi Elite Twin, Triple and Double-Twin System from 7,1 to 14,0 kW
Joint distribution (sold separately)
A= CZ-P224BK2BM
B= CZ-P3 HPC2BM
C= CZ-P224BK2BM

PACi Elite Twin, Triple and Double-Twin System from 20,0 to 25,0 kW
Joint distribution (sold separately)
A = CZ-P680BK2BM
B = CZ-P3 HPC2BM
C = CZ-P224BK2BM

Twin System	PACi Standard Single and Twin System from 7,1 to 14,0 kW			PACi Elite Twin, Triple and Double-Twin System from 7,1 to 25 kW				Equivalent lengths and height differences (m) for outdoor unit sizes from 7,1 to 14,0 kW	Equivalent lengths and height differences (m) for outdoor unit sizes from 20,0 to 25,0 kW
	Indoor unit combinations (see examples above)		Equivalent lengths and height differences (m) for outdoor unit sizes...	Indoor unit combinations (see examples above)					
	Single	Twin		Single	Twin	Triple	Double-Twin		
Total pipe length	L	L + L1 + L2	≤ 50 m	L	L + L1 + L2	L + L1 + L2 + L3	L + L1 + L2 + L3 + L4 + L5 + L6	U-60/U-71: ≤ 50 m U-100/125/140: ≤ 75 m	U-200: ≤ 100 m U-250: ≤ 80 m
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: 90 m U-250: 60 m
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	≤ 15 m	≤ 20 m
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)	≤ 10 m	≤ 10 m
Maximum pipe length differences after first branch (Double-Twin)	–	–	–	–	–	–	L2 > L1: L2 - L1	≤ 10 m	≤ 10 m
Maximum pipe length differences after second branch (Double-Twin)	–	–	–	–	–	–	L4 > L3: L4 - L3 L6 > L5: L6 - L5	≤ 10 m	≤ 10 m
Height difference (outdoor unit located higher)	H1	H1	≤ 30	H1	H1	H1	H1	≤ 30 m	≤ 30 m
Height difference (outdoor unit located lower)	H1	H1	≤ 15	H1	H1	H1	H1	≤ 15 m	≤ 15 m
Height difference between indoor units	–	H2	≤ 0,5	–	H2	H2 or H3 or H4	H2 or H3 or H4 or H5 or H6	≤ 0,5 m	≤ 0,5 m

Twin System	PACi Standard Single and Twin System from 7,1 to 14,0 kW				PACi Elite Twin, Triple and Double-Twin System from 7,1 to 14,0 kW						PACi Elite Twin, Triple and Double-Twin System from 20,0 to 25,0 kW		
	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: 30 m) liquid tube diameter and tube length from the above table.

PRO-HT Tank Series for PACi

PRO-HT *TANK*

Enjoy an efficient DHW / heating and cooling tank.
Panasonic commercial PRO-HT Tank solutions meet all needs of your hot water applications providing 65 °C water.

1 High performance and high saving

· Energy Efficiency Class for energy label:
  A+ (from A+ to F)
· High temperature hot water without booster
· Save installation time and cost by skipping additional accessories

2 Sufficient hot water production

· Maximum water outlet temperature up to 65 °C
· Big volume tanks with 750L and 1000 L capacity
· Heat exchanger design inhibits limescale

3 Trusted quality

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

PRO-HT Tank DHW: PAW-VP750DHW and PAW-VP1000LDHW.
Big volume and high temperature tank for commercial application.

Solution example DHW tank 1000 L + PACi

· Ideal for small hotels and high-end residential
· Hot water temperature up to 65 °C
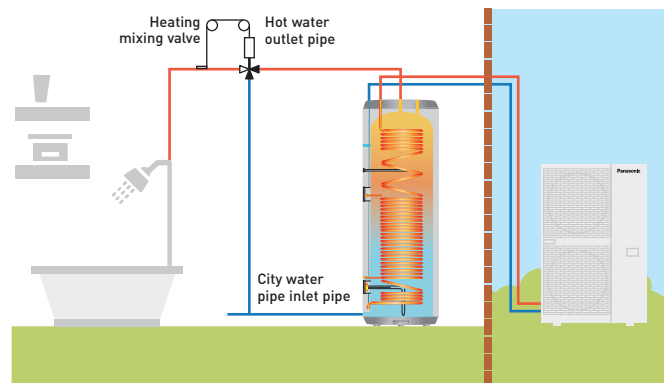
One by one system compatible list with PACi Elite

Model	Tank type	Product compatibility	Hot water outlet temperature without an electric heater
PAW-VP750LDHW	DHW	U-250PE2E8A	65 °C
PAW-VP1000LDHW	DHW	U-250PE2E8A	65 °C

Heating and cooling tank 380L + PACi 20,0 kW

· Ideal offer for small offices
· Cost saving solution with simple waterborne heating and cooling
· Hot water up to 45 °C

1 High performance and high saving

· A7 COP 3,26, heating water temperature at 45 °C
· Maximum 45 °C water outlet temperature
· Energy efficiency class: A+++ (from A+++ to D)

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

· Tank and heat exchanger made with stainless steel
· Internal and external pickling

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

One by one system compatible list with PACi Elite

Model	Tank type	Product compatibility	Water outlet temperature range
PAW-VP380L	Heating and cooling	U-200PZH2E8	5 °C ~ 45 °C

PRO-HT Tank DHW

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 gyms and hotels.

Technical focus

· Water volume 750 L and 1000 L
· Maximum hot water production 65 °C without boosters
· Heating coil 52 m (750 L) and 63 m (1000 L)
· Tank material 3 mm
· ABS external case

PRO-HT Tank			PAW-VP750LDHW	PAW-VP1000LDHW
Outdoor Unit			**U-250PE2E8A**	**U-250PE2E8A**
Volume (net)		L	726	933
Height	H x Ø	mm	1855 x 990	2210 x 990
Connections to the water supply network			1 1/4"	1 1/4"
Net weight / with water		kg	179 / 929	235 / 1167
Nominal electrical power		W	8270	8270
Reference tapping cycle			2XL	2XL
Energy consumption by chosen cycle A7 / W10-55		kWh	6,0	6,30
Energy consumption by chosen cycle A15 / W10-55		kWh	4,9	5,12
COP DHW (A7 / W10-55) EN 16147 [1]			4,10	3,89
COP DHW (A15 / W10-55) EN 16147 [2]			5,00	4,79
Energy Efficiency Class (from A+ to F) [3]			**A+**	**A+**
Standby input power according to EN16147		W	77,00	80,00
Sound pressure on 1m		dB(A)	57	57
Quantity of refrigerant		g	6400	6400
Operating range - air temperature		°C	-20 ~ +35	-20 ~ +35
Stainless steel 316L tank			Yes	Yes
Average insulation thickness		mm	100	100
Heat exchanger connection for inlet / outlet		Inch (mm)	1/2 (12,70) / 3/4 (19,05)	1/2 (12,70) / 3/4 (19,05)
Maximum power consumption without heater		W	10000	10000
Maximum power consumption with heater		W	16000	16000
Number of electrical heaters x power		W	1 x 6000	1 x 6000
Voltage / Frequency		V / Hz	400 / 50	400 / 50
Electric protection		A	16	16
Moisture protection			IP 24	IP 24
Heating with heat pump	Min / Max	°C	65	65
Heating with electrical heater	Max	°C	85	85
Refrigerant (R410A) / CO_2 Eq.		kg / T	6,4 / 13,363	6,4 / 13,363

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) Scale from A+ to F following (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.

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 small offices.

Technical focus

· Water volume 380L
· Maximum hot water production 45 °C
· Tank and heat exchanger made with stainless steel
· Heating coil 52 m 316L
· Internal and external pickling
· Foam insulation 70 mm
· Tank material 2 mm 316L
· ABS external case

PRO-HT Tank			PAW-VP380L
Cooling capacity at 35 °C, water outlet 7 °C		kW	12,80
Heating capacity		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	3,26
Heating Energy Efficiency class at 35 °C (from A+++ to D)			A+++
ηsh (LOT1) [1]		%	193
Dimension	H x Ø	mm	1820 x 690
Shipping weight		kg	99
Water pipe connector			1 1/4"
Heating water flow (ΔT=5 K. 35 °C)		m³/h	3,9
Outdoor Unit			**U-200PZH2E8**
Sound pressure		dB(A)	57
Dimension	H x W x D	mm	1500 x 980 x 370
Net weight		kg	117
Piping connections	Liquid pipe	Inch (mm)	1/2 (12,07)
	Gas pipe	Inch (mm)	3/4 (19,05)
Refrigerant (R32) / CO_2 Eq.		kg	4,20 (1,0kg additional gas charge on site)
Pipe length range [2]		m	30
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	> 7,5
Additional gas amount		g/m	Refer to manual
Operation range - Outdoor ambient	Heat / Cool	°C	-20~+24 / -15~+46
Water outlet	Heat / Cool	°C	25~45 / 5~15

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

Accessories	
PAW-IU29/39	Additional heater

1) Seasonal space cooling/heating energy efficiency following COMMISSION REGULATION (EU) 811/2013. 2) The pipe length range is between indoor and outdoor, but does not include additional length for coil.

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.

Performance calculation in agreement with Eurovent. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height.

* Flow switch and water filter are not equipped.

R32

A+++ ErP 35°C

45°C OUTPUT WATER

-20°C OPERATION RANGE

5 YEARS COMPRESSOR WARRANTY

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.

199

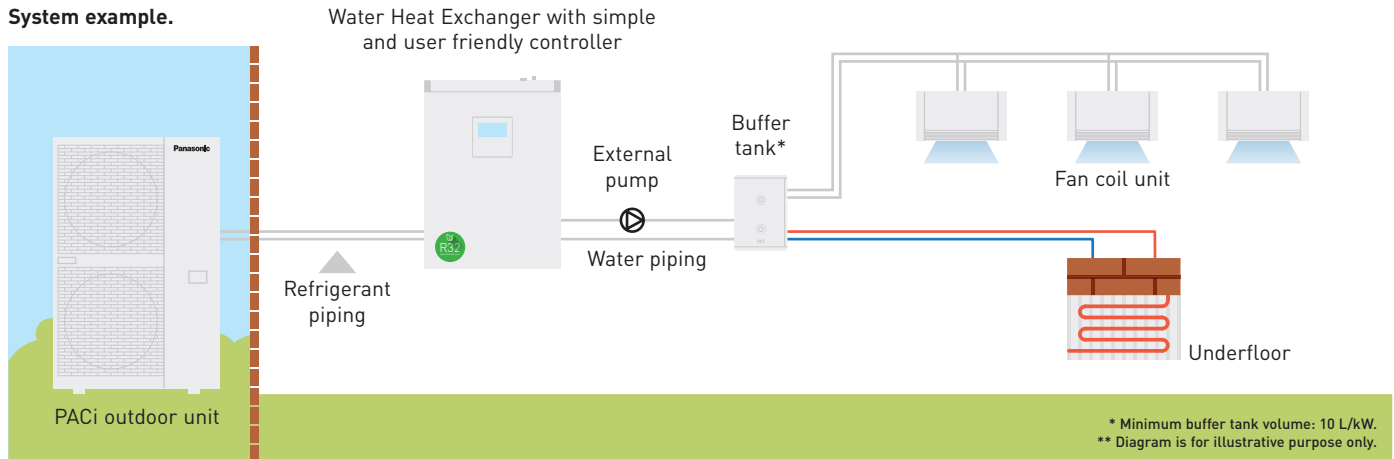# PACi with Water Heat Exchanger
· R32 Refrigerant

Panasonic introduces highly-efficient Water Heat Exchanger for PACi Series.
This ground-breaking product gives further possibilities of PACi solutions by adding hydronic options.

WATER OUTLET TEMPERATURE
Cooling: 5 ~ 15 °C
Heating: 35 ~ 50 °C

Highly-efficient Water Heat Exchanger for PACi Series

System example.

Water Heat Exchanger with simple and user friendly controller

External pump

Buffer tank*

Fan coil unit

Water piping

Underfloor

Refrigerant piping

PACi outdoor unit

R32

* Minimum buffer tank volume: 10 L/kW.
** Diagram is for illustrative purpose only.

1 **Cost Saving Solution**
· A+++ Energy efficiency class (scale from A+++ to D)
· Cost effective water projects thanks to lower cost for PACi compared to VRF

2 **Space saving & Flexible positioning**
· 2 installation possibilities (Wall-mounted / Floor-standing)
· Compact, lightweight unit design, only 27kg

3 **Easy Installation, Maintenance**
· Quick mounting process
· Flow switch kit is included as a standard
· Direct access to electrical box

Space saving & Flexible positioning

Compact and light unit.
· Only 205 mm depth fits within a limited space
· Lightweight design at only 27kg, makes it easy to maneuver and position
· Maximum total refrigerant piping length: 90 m*

* 90 m for PAW-200W5APAC.

2 installation options.
· Wall-mounted and Floor-standing installation options are available. Free-up floor space by using the Wall-mounted installation
· Quick mounting process with its lightweight compact design
  Make fixing holes **>** Fix 2 screws **>** Hang the unit **>** Finish

ONLY
205 mm
DEPTH

LIGHT WEIGHT
27kg

PIPING LENGTH
90 m

205 mm

550 mm

455 mm
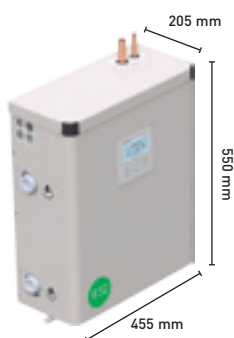
QUICK SIMPLE INSTALL

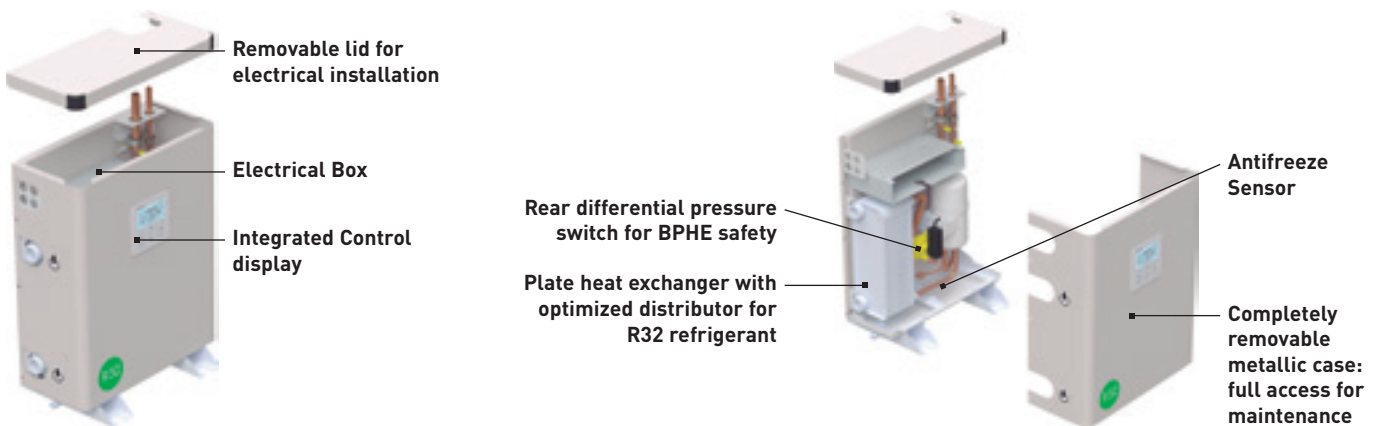**INSTALLER FRIENDLY**

Wall-mounted.
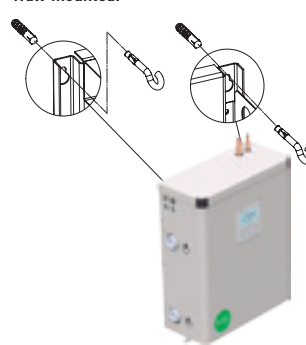
Floor-standing.

PACi Water Heat Exchanger (WHE) is ideal
solution for small retails and offices.
This is the first PACi connected WHE system.
The investment costs can be amortised in a short
period.

Quick installation with pre-assembled flow switch

The flow switches come pre-assembled with pipe fittings
for ease of installation.
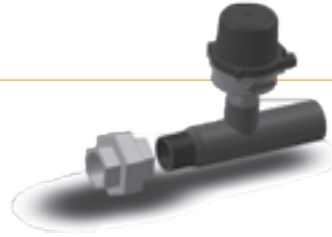
Easy maintenance operation from two points of access

Removable lid for
electrical installation

Electrical Box

Integrated Control
display

Rear differential pressure
switch for BPHE safety

Plate heat exchanger with
optimized distributor for
R32 refrigerant

Antifreeze
Sensor

Completely
removable
metallic case:
full access for
maintenance

Application example

· Fulfilling R32 refrigerant needs to follow environmental
  perspective, Company policy
· Water solution to substitute existing boiler system

· Hydraulic system to reduce total amount of HFC
  refrigeration

Foodchain.

Small office.

PACi with Water Heat Exchanger for chilled and hot water production

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

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.

Water Heat Exchanger			PAW-200W5APAC	PAW-250W5APAC
Cooling capacity [1]		kW	20,00	25,00
EER [1]		W/W	3,03	2,89
Heating capacity [2]		kW	23,00	28,00
COP [2]		W/W	2,98	2,95
ηsh (LOT1) [3]		%	178	178
Energy efficiency class (Scale A+++ to D) [4]			A+++	A+++
Dimension	H x W x D	mm	550 x 455 x 205	550 x 455 x 205
Net weight		kg	27	27
Water pipe connector		Inch	Male Thread 1 ¼	Male Thread 1 ¼
Cooling water flow (ΔT=5 K. 35 °C)		m³/h	3,45	4,30
Heating water flow (ΔT=5 K. 35 °C)		m³/h	4,15	4,85
Flow switch			Included	Included
Water filter			Included	Included
Outdoor Unit			U-200PZH2E8	U-250PZH2E8
Sound pressure	Cool / Heat (Hi)	dB(A)	59 / 61	59 / 63
Dimension	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)		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	60	80
Water outlet temperature range	Cool Min ~ Max	°C	+5 ~ +15	+5 ~ +15
	Heat Min ~ Max	°C	+35 ~ +50	+35 ~ +50
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24

1) Data refers to 7 °C leaving chilled water temperature and 35 °C ambient air temperature, according to EN14511 standard. 2) Data refers to 45 °C leaving warm water temperature and 7 °C ambient air temperature according to EN14511 standard. 3) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps. 4) Following COMMISSION REGULATION (EU) No 811/2013 for low-temperature heat pumps. Scale from A+++ to D.

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.
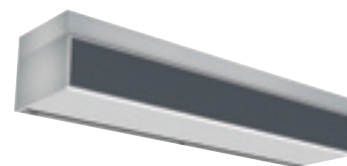
Heating capacity comparison: Electrical air curtain / Panasonic air curtain

80 % more efficient

Electric air curtain | Panasonic air curtain
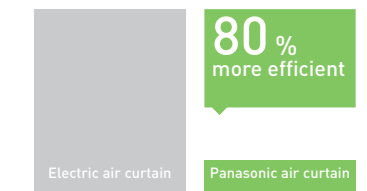
* With the U-100PZH2E5 on the PAW-20PAIRC-LS. Calculation method: Taking as consideration SCOP of the Panasonic combination of 6,0. If 100 is the energy needed for a air curtain, Panasonic Air curtain will need 1/(1-6)*100=20.

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**
1,5 m 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 3,6-25,0 kW for PACi. Compatible with R32 or R410A outdoor units


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.

Panasonic AHU Kit, 3,6-25,0 kW 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 3,6 kW to 25,0 kW.
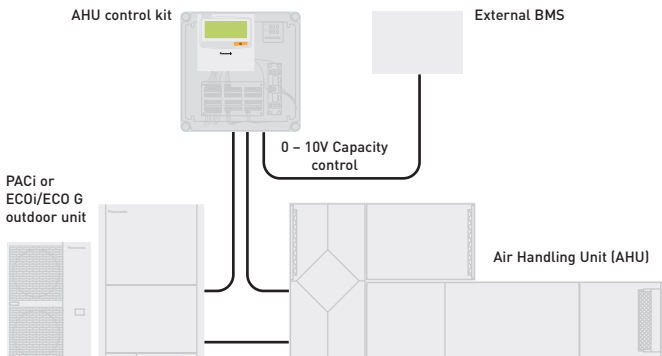
Demand control on the outdoor unit managed by external 0–10V signal.

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.
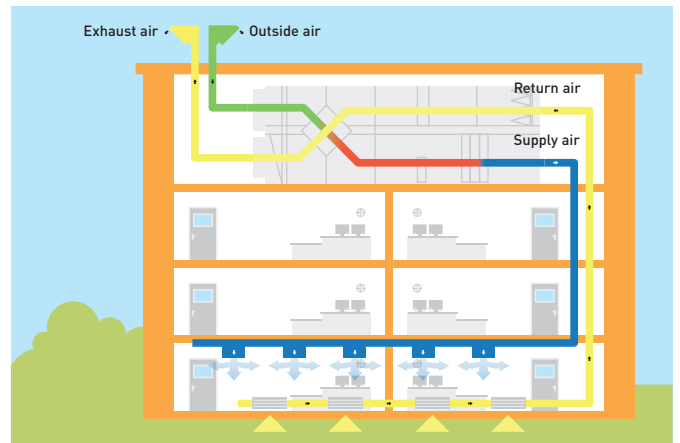
0-10V control

With the 0-10V 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).
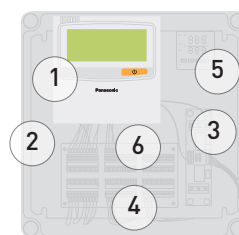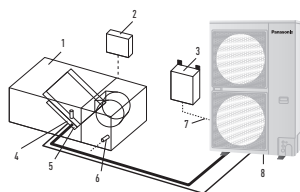
3 types of AHU Kit: Deluxe, Medium and Light

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-RTC2
2. 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.

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	278x278x180	5 / 30*	10
PAW-280PAH2+PAW-280PAH2	50,00	56,00	278x278x180	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)
5,0 kW	PAW-280PAH2	8,00 / 13,00	278x278x180	5/30	10	1/4 (6,35)	1/2 (12,70)
6,0 kW	PAW-280PAH2	9,00 / 16,00	278x278x180	5/30	10	3/8 (9,62)	5/8 (15,88)
7,5 kW	PAW-280PAH2	12,00 / 25,00	278x278x180	5/30	10	3/8 (9,62)	5/8 (15,88)
10,0 kW	PAW-280PAH2	14,00 / 33,00	278x278x180	5/30	10	3/8 (9,62)	5/8 (15,88)
12,5 kW	PAW-280PAH2	19,00 / 35,00	278x278x180	5/30	10	3/8 (9,62)	5/8 (15,88)
14,0 kW	PAW-280PAH2	19,00 / 35,00	278x278x180	5/30	10	3/8 (9,62)	5/8 (15,88)
20,0 kW	PAW-280PAH2	28,00 / 66,00	278x278x180	5/70	10	3/8 (9,62)	1 (25,40)
25,0 kW	PAW-280PAH2	38,00 / 74,00	278x278x180	5/70	10	1/2 (12,70)	1 (25,40)

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

CZ-RTC2 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.
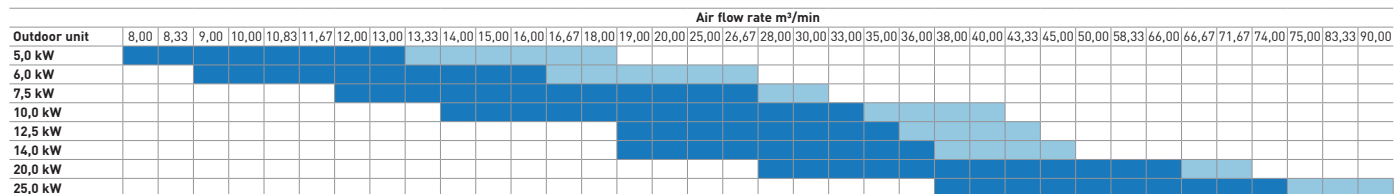· Output signal= Cooling/Heating/Fan status
· Defrost
· Thermostat-ON

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 0–10V input signal*
· Target temperature setting by 0–10V 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)

| Air flow rate m³/min																																
Outdoor unit	8,00	8,33	9,00	10,00	10,83	11,67	12,00	13,00	13,33	14,00	15,00	16,00	16,67	18,00	19,00	20,00	25,00	26,67	28,00	30,00	33,00	35,00	36,00	38,00	40,00	43,33	45,00	50,00	58,33	66,00	66,67	71,67	74,00	75,00	83,33	90,00
5,0 kW																																	
6,0 kW																																	
7,5 kW																																	
10,0 kW																																	
12,5 kW																																	
14,0 kW																																	
20,0 kW																																	
25,0 kW																																	

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).

Air Curtain with DX Coil, connected to the VRF or PACi Systems.

Compatible with R32 or R410A outdoor units.
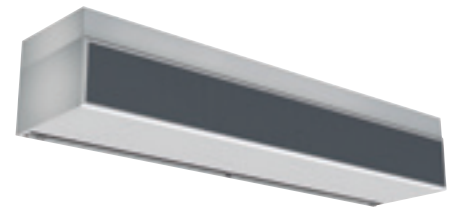
Highly efficient heating effect

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.
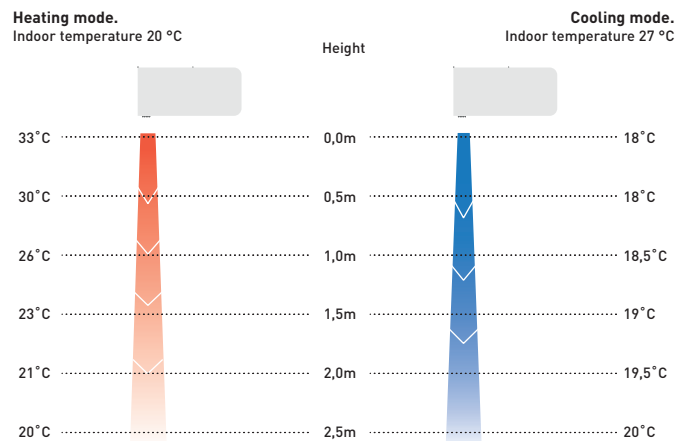
Available in different lengths to suit requirements between 1 and 2,5 m, both air curtains have outlet grilles that can be adjusted to five different positions. The HS model can be installed up to a height of 3,0 m with the LS model up to 2,7 m. The outlet grilles can be easily adjusted into five positions 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 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.
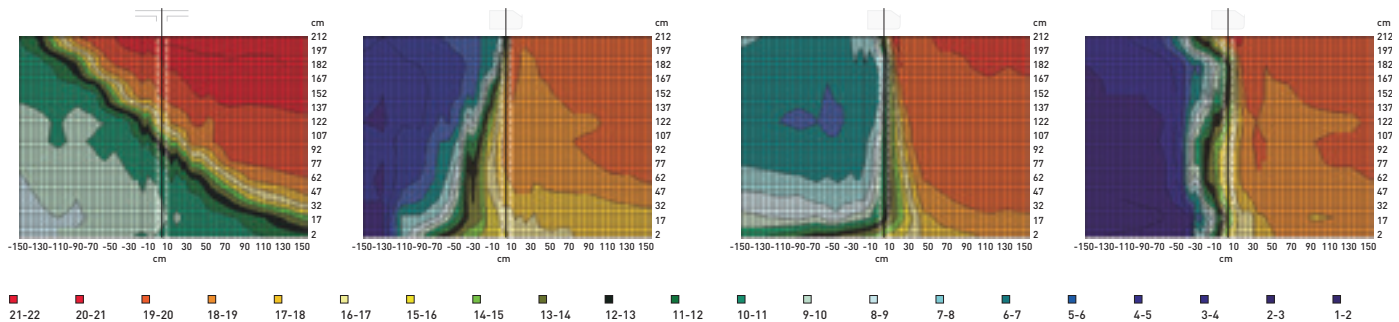
Intelligent Operation

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.

Heating mode.
Indoor temperature 20 °C

Height

Cooling mode.
Indoor temperature 27 °C

Heating	Height	Cooling
33°C	0,0m	18°C
30°C	0,5m	18°C
26°C	1,0m	18,5°C
23°C	1,5m	19°C
21°C	2,0m	19,5°C
20°C	2,5m	20°C

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

| 21-22 | 20-21 | 19-20 | 18-19 | 17-18 | 16-17 | 15-16 | 14-15 | 13-14 | 12-13 | 11-12 | 10-11 | 9-10 | 8-9 | 7-8 | 6-7 | 5-6 | 4-5 | 3-4 | 2-3 | 1-2 |

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.

FRICO

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 2,5 m
· Installation height up to 3,0 m
· 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

Maximum installation high.
HS: 3,0 m
LS: 2,7 m
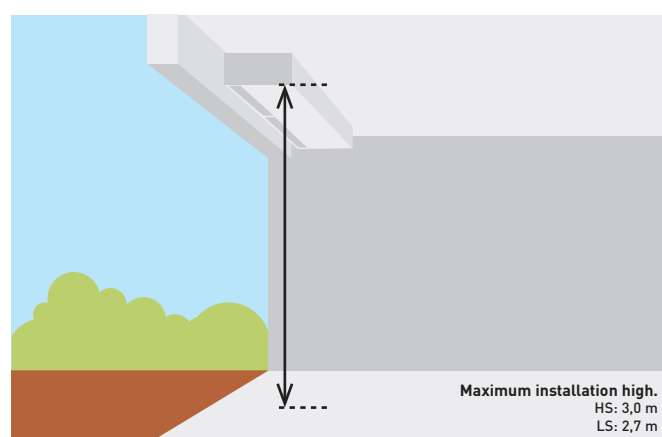
Outdoor unit			7,1 kW	10,0 kW	14,0 kW	20,0 kW
Air outlet height 2,7 m			PAW-10PAIRC-LS	PAW-15PAIRC-LS	PAW-20PAIRC-LS	PAW-25PAIRC-LS
Air volume	High	m³/h	1800	2700	3600	4500
Cooling capacity [1]	Max	kW	6,1	9,7	13,0	17,0
Heating capacity [2]	Max	kW	7,9	12,0	15,0	19,0
Heat Exchanger	Volume	L	1,67	2,85	3,94	5,03
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 3/4 (19,05)	3/8 (9,52) / 7/8 (22,22)	3/8 (9,52) / 7/8 (22,22)
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]	Max	dB(A)	65	66	67	69
Dimension [4]	H x W x D	mm	260 (+140) x 1000 x 460	260 (+140) x 1500 x 460	260 (+140) x 2000 x 460	260 (+140) x 2500 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			10,0 kW	14,0 kW	20,0 kW	25,0 kW
Air outlet height 3,0 m			PAW-10PAIRC-HS	PAW-15PAIRC-HS	PAW-20PAIRC-HS	PAW-25PAIRC-HS
Air volume	High	m³/h	2700	3600	5400	6300
Cooling capacity [1]	Max	kW	9,1	13,0	19,5	23,7
Heating capacity [2]	Max	kW	11,8	15,8	23,6	27,6
Heat Exchanger	Volume	L	1,67	2,85	3,94	5,12
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 3/4 (19,05)	3/8 (9,52) / 7/8 (22,22)	3/8 (9,52) / 7/8 (22,22)
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]	Max	dB(A)	66	67	68	68
Dimension [4]	H x W x D	mm	260 (+140) x 1000 x 460	260 (+140) x 1500 x 460	260 (+140) x 2000 x 460	260 (+140) x 2500 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

Accessories

PAW-AIR1-DP	Optional drain pump

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 5,0 m, direction factor 2, absorbing surfaces 200 m², Min / Max air volume. 4) 140 mm is the height of an electrical box if it is installed on the top.

GREEN TECH

BMS CONNECTIVITY

Panasonic PACi Elite can cool rooms down to 8 °C
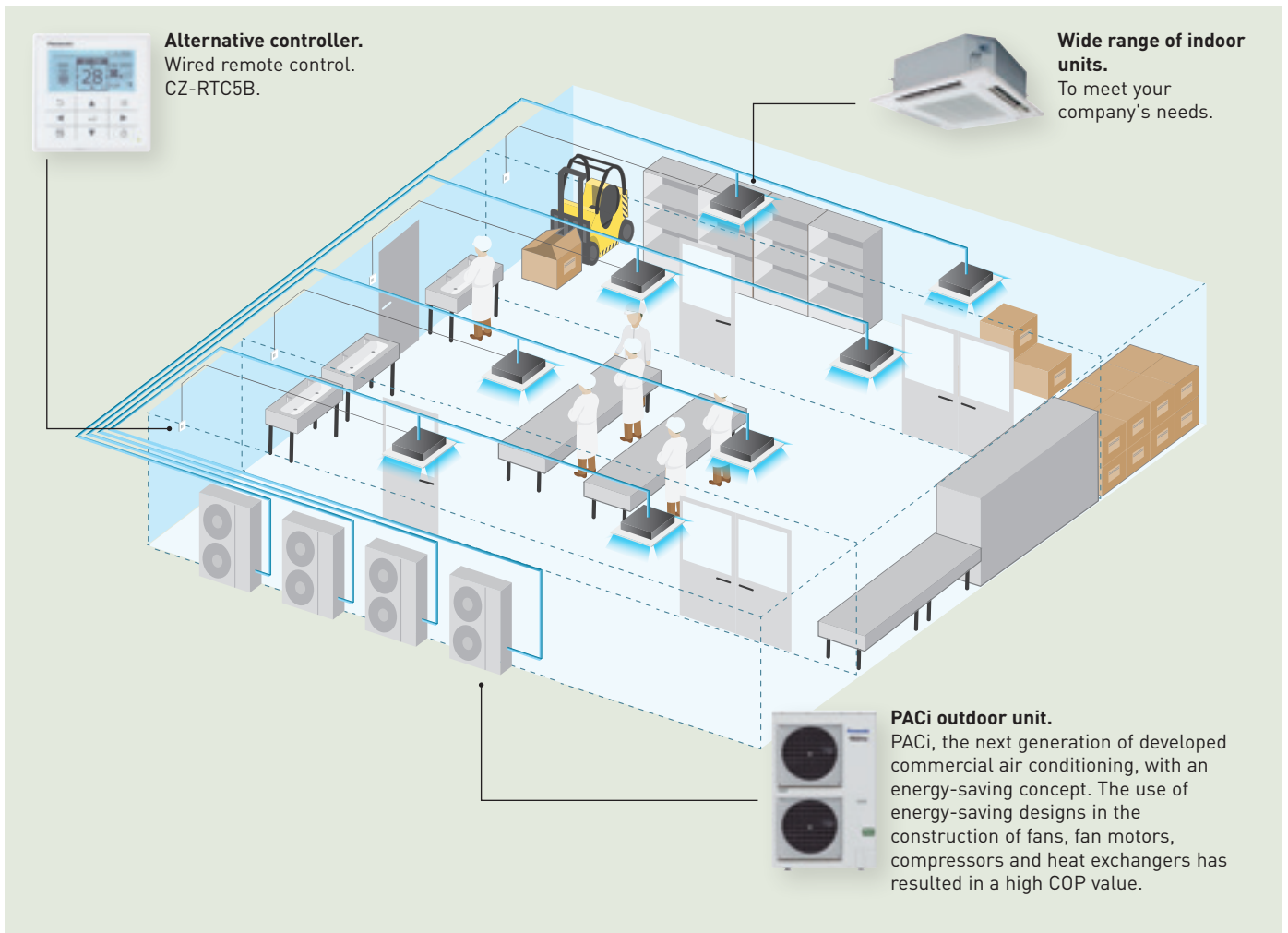
Special application such as wine cellars.

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

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

There is a complete range, from 3,6 to 22,0 kW. 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.

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

Temperature range – temperature range for wine cellar.

In cooling. Outdoor air intake temperature °C DB

In heating. Outdoor air intake temperature °C WB

Indoor air intake temperature °C WB

Indoor air intake temperature °C DB

Only allowed after installation of wind and snow vents.

● Area where cooling and heating capacity is established for this purpose.

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	3,5 kW	4,9 kW	5,8 kW	6,9 kW	9,3 kW	11,6 kW	13,6 kW	18,5 kW	23,2 kW
	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-60PK2E5B	S-71PK2E5B	S-100PK2E5B	S-60PK2E5B + S-60PK2E5B	S-71PK2E5B + S-71PK2E5B	S-71PK2E5B + S-71PK2E5B	S-100PK2E5B + S-100PK2E5B	—	—
	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.
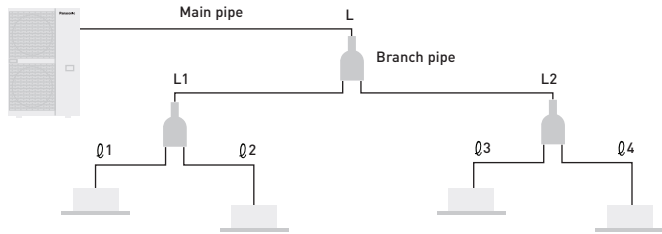
When reusing the existing piping as it is without removing dirt and dust, inadequate piping could result a renewal appliance in failure.

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.

· 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 1 m 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 1 m, refer to the additional amount in the table 2.

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	

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	Ø6,35	Ø9,52	Ø12,70	Ø15,88	Ø19,05
For R32 / R410A	17	22	26	29	36
For R22 / R407C	17	22	24	27	36

See Table 3.
Level "3 Over" according to colour scale level

· Use our genuine branch piping for refrigerant R410A
· Re-process the flare of existing piping for R410A and use the flare nut attached to the service valve of the outdoor unit (for R410A)
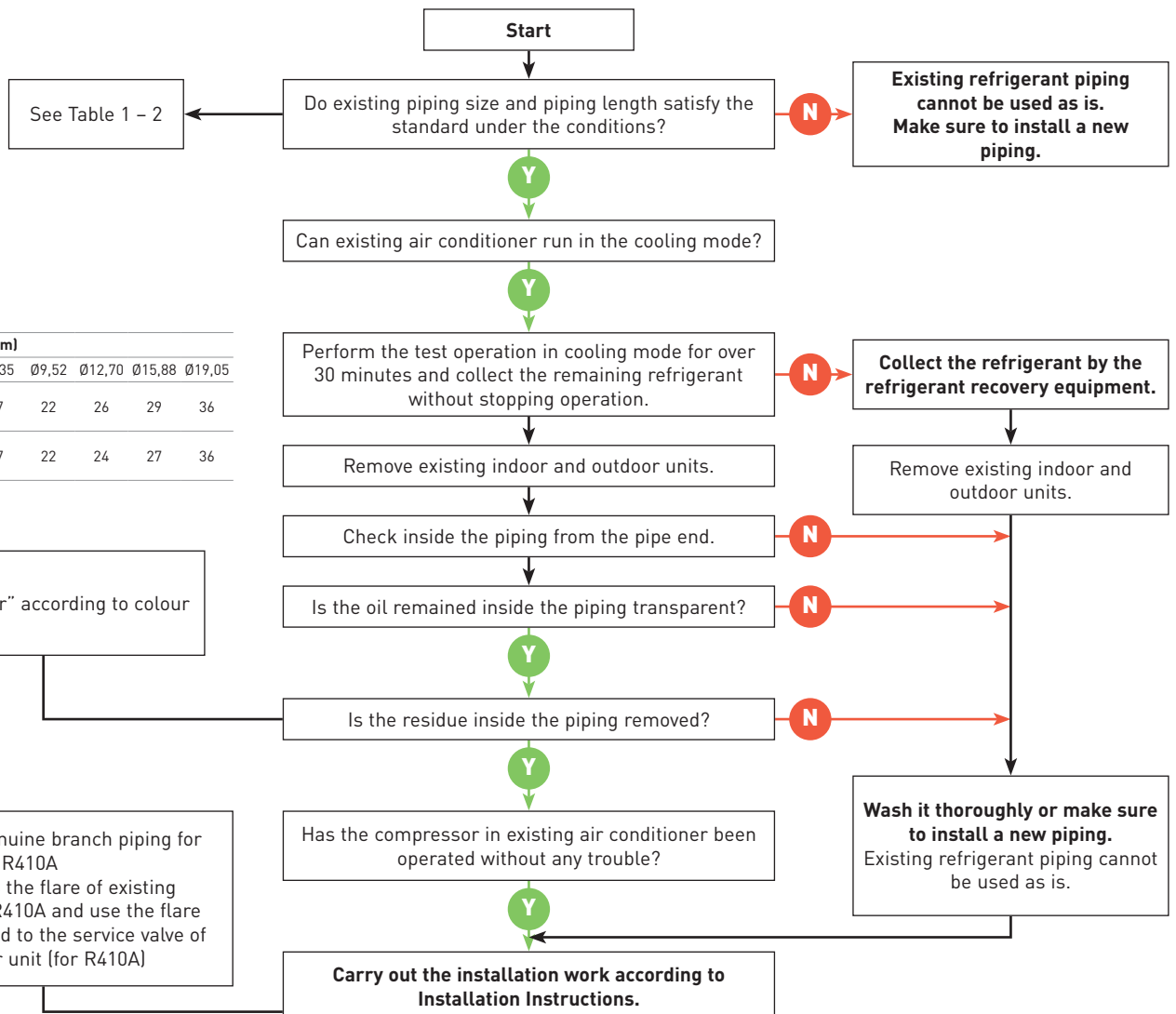
Refrigerant piping size and allowable piping length

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

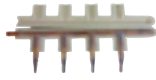| 0	0,5	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0	7,5	8,0
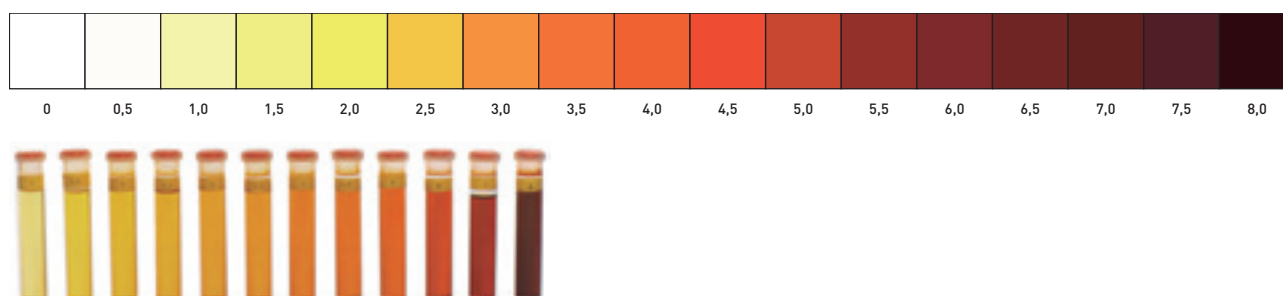
Accessories and Control

Branch Pipes, Header

CZ-P224BK2BM
Branch pipe (capacity after distribution is 22,4 kW or less).

CZ-P680BK2BM
Branch pipe (from 22,4 kW to 68 kW).

CZ-P3 HPC2BM
Header.

Plenums

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

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

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

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

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

CZ-TREMIESPW705
Air Outlet Plenum for S-200PE2E5.

CZ-TREMIESPW706
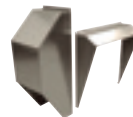Air Outlet Plenum for S-250PE2E5.

Outdoor accessories
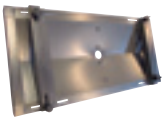
PAW-WTRAY
Tray for condenser water compatible with outdoor elevation platform.

PAW-GRDSTD40
Outdoor elevation platform 400x900x400 mm.

PAW-GRDBSE20
Outdoor base ground support for noise and vibration absorption (600 x 95 x 130 mm, 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
Standard panel for 4 Way 90x90 Cassette.

CZ-KPU3AW
Econavi panel for 4 Way 90x90 Cassette.

CZ-KPY3AW
Panel for 4 Way 60x60 Cassette size 700x700 mm.

CZ-KPY3BW
Panel for 4 Way 60x60 Cassette size 625x625 mm.

Other Accessory

CZ-CNEXU1
nanoe X Generator Mark 1 kit for 4 Way 90x90 Cassette.

CZ-CENSC1
Econavi energy savings sensor.

CZ-CSRC3
Remote temperature sensor.

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.

SEC-TEA-R-230-5045
Smart Terminal Controller ZigBee Pro High Power, External Antenna, 4UI/4AO/5DO, 220-240 VAC.

SEC-TEA-R-24-5045
Smart Terminal Controller ZigBee Pro High Power, External Antenna, 4UI/4AO/5DO, 24 VAC.

MPM-UN-0I4-5045
Universal network controller with Building Expert and StruXureWare integration, High Power, 6 I /6O, Modbus.
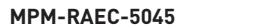
MPM-RAEC-5045
Universal network controller Cable extension.

HRCEP14R
Hotel Room Expansion Module 14 indoor units.

HRCPBG28R
Hotel Room Controller 28 indoor units.

HRCPDG42R
Hotel Room Controller w/Display 42 indoor units.

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.

SED-WLS-G-5045
Water leakage sensor.

FAS-00
Cover frame. Silver.

FAS-01
White.

FAS-03
Glossy translucent white.

FAS-05
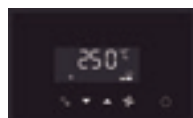Light tan wood.

FAS-06
Dark brown wood.

FAS-07
Dark black wood.

FAS-10
Brushed steel finish.

Controller and touch controllers for Hotels with Dry Contacts

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

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

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

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

Hotel sensors for Dry Contacts

PAW-WMS-DC
Wall motion sensor 24 V.

PAW-WMS-AC
Wall motion sensor 240 V AC.

PAW-CMS-DC
Ceiling motion sensor 24 V.

PAW-CMS-AC
Ceiling motion sensor 240 V AC.

PAW-24DC
Power supply 24 V.

PAW-DWC
Door or window contact.