



PACi NX adaptive ducted unit PF3 Standard

1. Highly flexible installation

- 2 installation possibilities (horizontal / vertical)

2. High seasonal performance with slim body

- Energy class A++ both in heating and cooling*
- Compact 250mm height, 25-39kg

* For 6,0kW

3. Comfort operation

- Super Quiet operation, minimum 22dB(A)*
- Wired remote controller CZ-RTC6WBL and CZ-RTC6BL allows easy system setting via Bluetooth®

* 3,6kW model and when operating with external static pressure 50Pa in low fan mode.

4. Better indoor air quality with nanoe™ X

- nanoe™ X (Generator Mark 2: 9,6 trillion hydroxyl radicals/sec) as standard for better indoor air quality



PACi

R32

nanoeX

A++

INVERTER+



PACi NX Series for absolute ease of refurbishment. The next generation is here

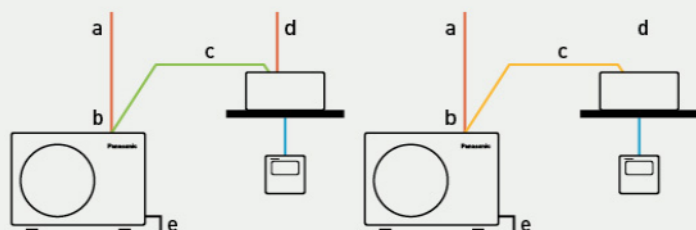
NX Series with R32 refrigerant has been developed to meet the demand of easy refurbishment with 3 wire method. It makes it simple and easy to replace old systems with 3 wire connections, which is prevalent in many systems.

PACi PZ2/PZH2: 2 wire method. - PACi NX Series: 3 wire method.

a. Power supply - b: Outdoor unit power wiring - c: Signal wiring (2 wire shielded) - d: Power supply - e: Earth - f: Power + Signal Wiring (3 wire + earth)

PACi PZ2/PZH2

PACi NX



PACi NX Standard – For economy and value

The Standard series are the perfect solutions for projects which demand quality on a limited budget.

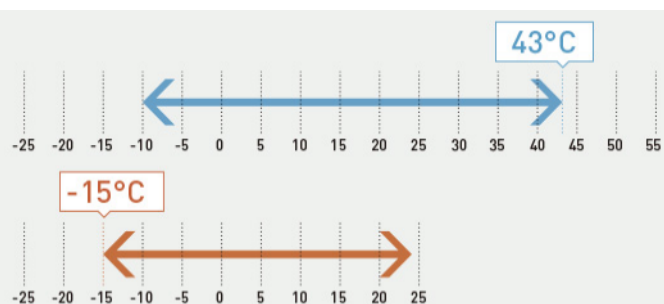
- Absolute ease of refurbishment
- Low-height single fan outdoor unit design
- Top class SEER: A++ / SCOP: A++ for 6,0kW in the standard Inverter category
- Operation range up to 43°C in cooling and down to -15°C in heating
- Maximum piping length 50m

a: Energy class¹⁾ and seasonal efficiency value ($\eta_{s,c}$ / $\eta_{s,h}$)²⁾.

1) Energy label scale from A+++ to D for models below 12,0kW (EU regulation 626/2011). 2) $\eta_{s,c}$ / $\eta_{s,h}$ values for models above 12,0kW (EN 14825).

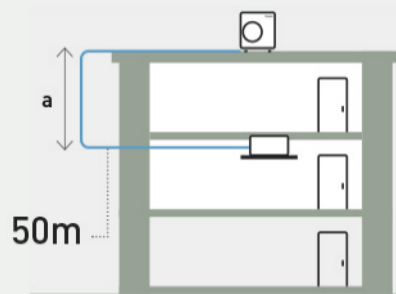


a	❄️	⚙️
3,6kW	A+	A+
5,0kW	A++	A+
6,0kW	A++	A++
7,1kW	A+	A+
10,0kW	A++	A
12,5kW	257,4%	142,6%
14,0kW	252,2%	140,6%



PACi NX Standard – Extended operation range up to 43°C in cooling and down to -15°C in heating

PACi NX Standard Series are capable of working even in the challenging ambient conditions. Cooling operation is possible when outdoor temperature is as low as -10°C or as high as 43°C. Heating operation can also be utilized for outdoor temperatures as low as -15°C and as high as 24°C.



PACi NX Standard – Long piping allowance maximum 50m*

Long piping length gives great design flexibility to adapt various building types and sizes.

Piping length: 50m (10,0 to 14,0kW), 40m (6,0 to 7,1kW), 20m (5,0kW), 15m (>3,6kW).

a: Maximum height difference between outdoor unit and indoor unit: 30m (15m if the outdoor unit is below the indoor unit).

* For models 10,0 ~ 14,0kW.

PACi NX Series



2 installation possibilities (horizontal / vertical)

Vertical installation is available.
External static pressure 150Pa, sufficient for remotely installing units away from the rooms.

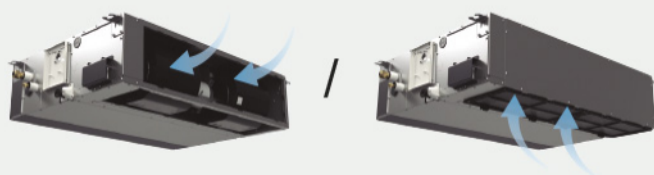


Compact body

- Only 250mm high
- Light units from 25 to 39kg

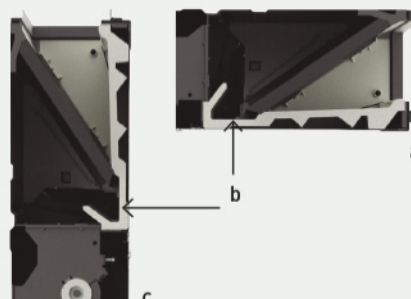
Conventional model: 33kg / 290mm

Adaptive ducted: 30kg / 250mm



Selectable inlet air position

Inlet air position may be adjusted by means of a removable panel, to allow rear or bottom entry, depending on the duct installation.



Improved drain pan design

Just one drain pan for both horizontal and vertical installations. No need to modify the unit.

a: Horizontal - b: Shared drain pan - c: Vertical

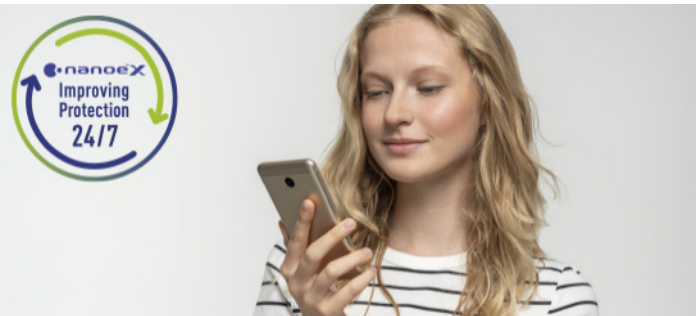
PACi NX Series



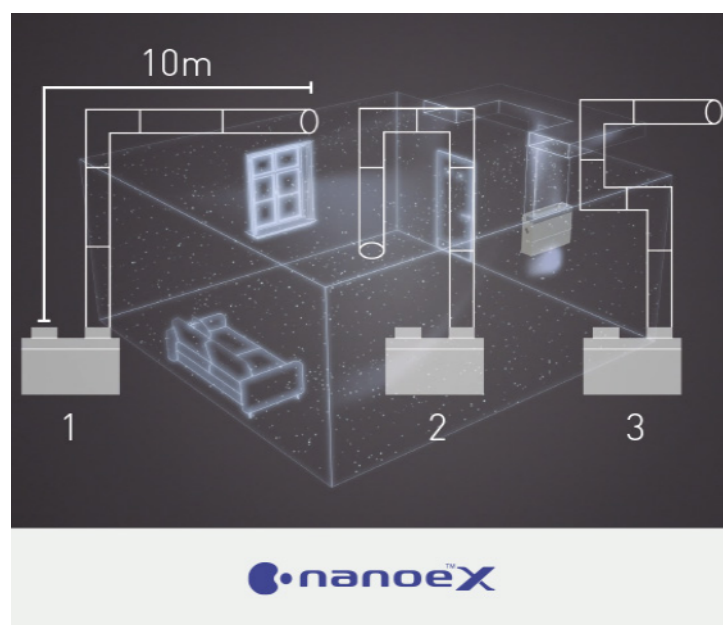
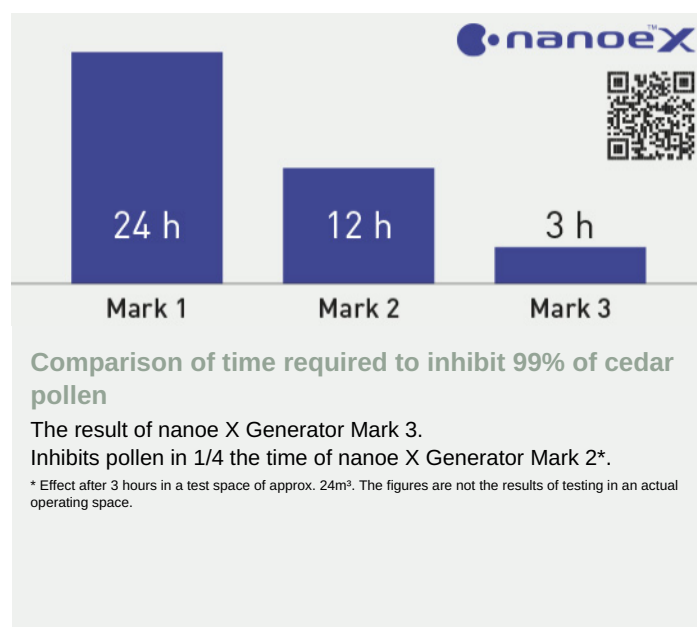
Bringing nature's balance indoors
nanoe™ X, technology with the benefits of hydroxyl radicals
 Abundant in nature, hydroxyl radicals have the capacity to inhibit pollutants. nanoe™ X, technology can bring these incredible benefits indoors so that hard surfaces, soft furnishings, and the indoor environment can be a cleaner and pleasant place to be.

7 effects of nanoe™ X – Panasonic unique technology

- 1. Capacity to inhibit 5 types of pollutants:** Bacteria and viruses - Mould - Allergens - Pollen - Hazardous substances
- 2. Deodorises:** Odours
- 3. Moisturises:** Skin and hair

nanoe™ X: improving protection 24/7
 Acts to clean your air, so that the indoor environment can be a cleaner and more pleasant place to be all day long. nanoe™ X works together with heating or cooling function when you are at home and can work independently when you are away. Give the air conditioning the strength to increase the protection at home with nanoe™ X technology and convenient control via the Panasonic Comfort Cloud App.

**Better indoor air quality with nanoe™ X**

The performance of nanoe™ X technology is maintained, even with 10m long ducts*.

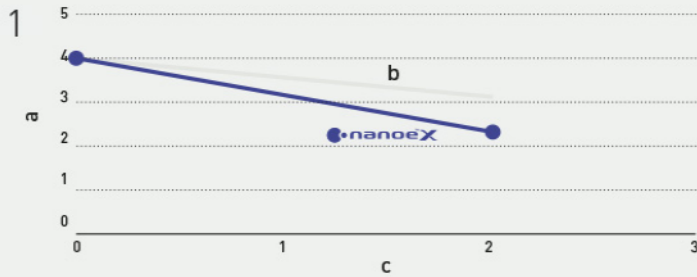
The effect of improved air quality is sufficient to allow for numerous duct shapes to fit the application.

* Panasonic internal survey.

- 1. One bend**
- 2. Two bends**
- 3. Three bends**

As the experiments demonstrate, up to a duct length of 10m, effectiveness of nanoe™ X is maintained even if the duct is bended 3 times.

PACi NX Series



nanoe™ X effect against odour proven in large space

In a room of 139m², tobacco odour is reduced by a factor of 0,7 when compared to natural reduction over a period of 2 hours.

1. Tobacco deodorisation ratio

nanoe™ X reduced by 0,7 rank.

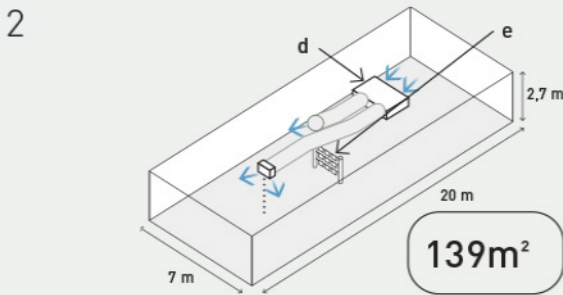
a: Odour level - b: Natural reduction - c: Time (hour).

2. Test ambient.

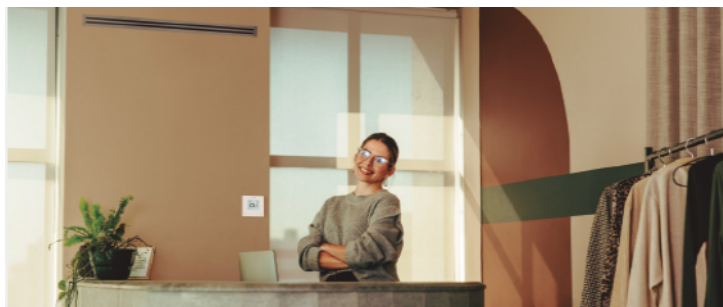
3rd party international testing institute KAKEN* conducted the performance experiment of Adaptive ducted equipped with nanoe X enerator Mark 2 device removing tobacco odour.

* KAKEN TEST CENTER General Incorporated Foundation in Japan, international testing institute.

d: Ducted unit - e: Adhered odour.



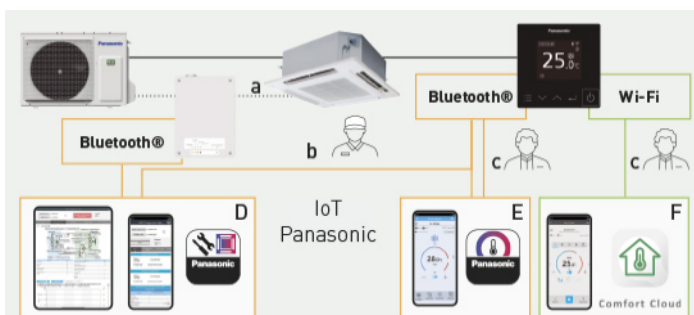
Smart & intuitive controls for PACi NX Series



CONEX provides comfort and control for varying user needs

CONEX with IoT integration. Not only detailed operation and maintenance settings are possible with the smartphone or tablet, but also service and diagnostic functions.

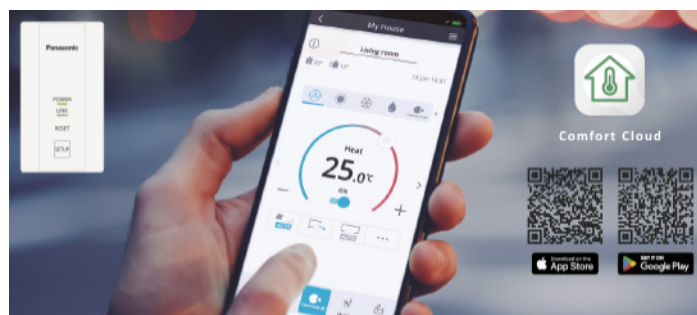
1. **Intuitive control** with stylish design
2. **Control comfort** with your smartphone
3. **Easy maintenance** with service support app



CONEX with IoT integration

The wired remote controller series is fully integrated with IoT solutions developed by Panasonic. Detailed operation, maintenance setting and service operation are all possible with smartphone or tablet.

a: Service checker interface - b: Panasonic service and installer - c: End user - d: Panasonic H&C Diagnosis App - e: Panasonic H&C Control App - f: Panasonic Comfort Cloud App

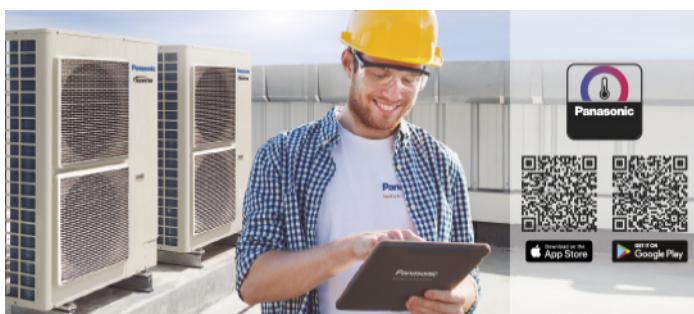


Commercial Wi-Fi Adaptor for Panasonic Comfort Cloud App

- For end user · Connection via Wi-Fi
- Commercial Wi-Fi Adaptor (CZ-CAPWFC1) required

Features: · Remote control and monitoring 24/7/365 · Scheduling · Error alerts · From 1 to 200 units · Voice control compatible · Multi user · Easy scheduling · Energy monitor · Error codes

* CZ-RTC6WBLW or CZ-RTC6BLW required.



Panasonic H&C Diagnosis App

- Tool for diagnosis and troubleshooting
- For service and installer · Connection via Bluetooth®

Features: · AC control (system view, refrigerant circuit view) · Real-time data (indoor/outdoor unit) · Refrigerant cycle diagram and graph · Data recording · History data · Error code tables

* A service checker interface is required when this app is used from outdoor location. Wired remote controller (CZ-RTC6WBL, CZ-RTC6BL, CZ-RTC6WBLW or CZ-RTC6BLW) is required when this app is used from indoor location. Compatible with PZ3 and PZH3 outdoor units.



Panasonic H&C Control App

- For end user, service and installer · Connection via Bluetooth®

Detailed operation setting features: · Basic settings · Weekly timer · All energy saving functions · Key lock · Ventilation fan control etc

Detailed maintenance setting features: · Alarm display and history · Filter sign · Test run · Sensor value monitor etc

* CZ-RTC6WBL, CZ-RTC6BL, CZ-RTC6WBLW or CZ-RTC6BLW required.

Accessories



Smart multi-site control solution

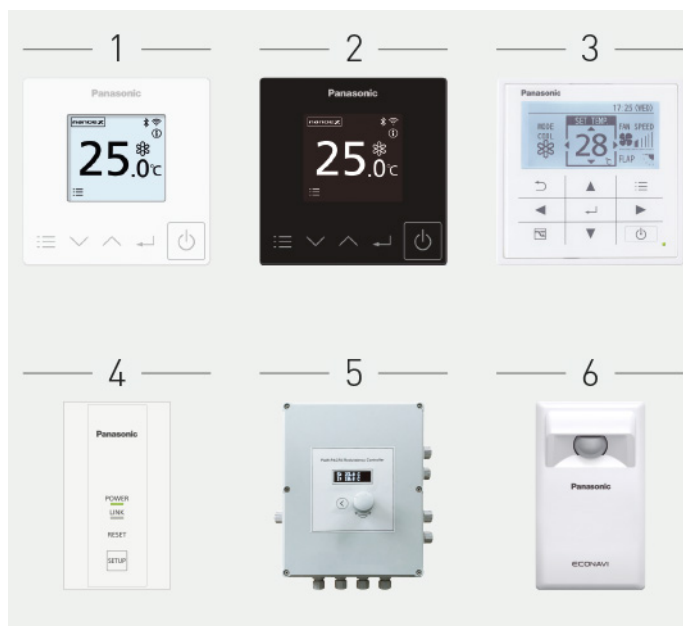
Panasonic AC Smart and Service Cloud is the modern and scalable energy management system for your heating and cooling solutions. One screen with endless possibilities.

AC Smart Cloud for owner and facility manager.

· Multi-site monitoring · Schedule setting · Powerful statistics for energy savings · Maintenance notification

AC Service Cloud for service and installer.

· All sites at a glance with alarm status · Self diagnosis function · Maintenance planning · Service checker parameters available for the analysis



Accessories

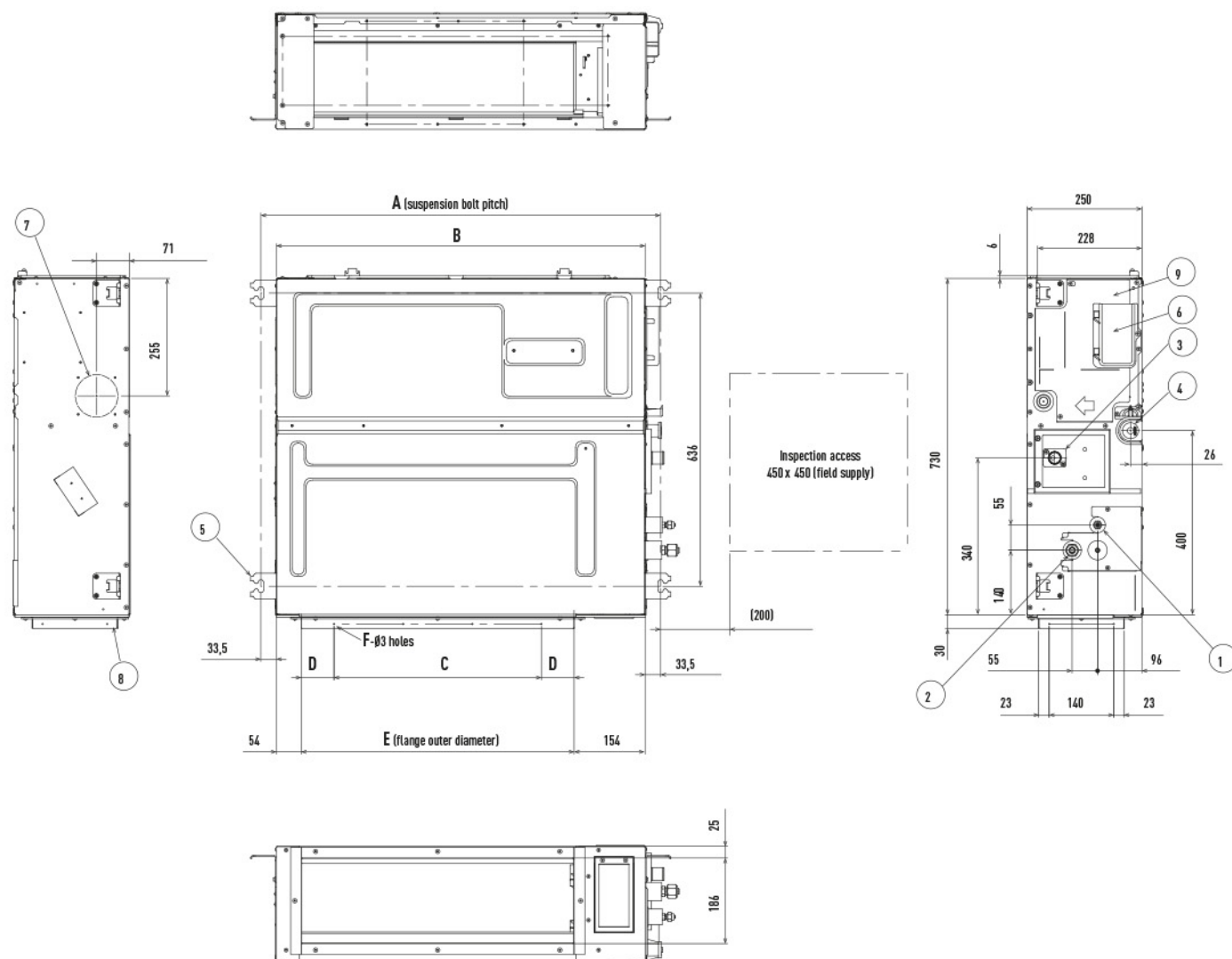
1. CZ-RTC6W	CONEX wired remote controller (non-wireless), white
1. CZ-RTC6WBL	CONEX wired remote controller with Bluetooth®, white
1. CZ-RTC6WBLW	CONEX wired remote controller with Wi-Fi and Bluetooth®, white
2. CZ-RTC6	CONEX wired remote controller (non-wireless), black
2. CZ-RTC6BL	CONEX wired remote controller with Bluetooth®, black
2. CZ-RTC6BLW	CONEX wired remote controller with Wi-Fi and Bluetooth®, black
3. CZ-RTC5B	Wired remote controller with Econavi function and datanavi
4. CZ-CAPWFC1	Commercial Wi-Fi Adaptor
5. PAW-PACR4	Interface to run up to 4 indoor unit groups on backup and alternative run
6. CZ-CENSC1	Econavi energy saving sensor



Accessories

7. CZ-RWS3 + CZ-RWRC3	Infrared remote controller and receiver
8. PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform
9. PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
10. PAW-GRDSTD40	Outdoor elevation platform 400x900x400 mm
11. CZ-56DAF2	Air outlet plenum for S-3650PF3E
11. CZ-90DAF2	Air outlet plenum for S-6071PF3E
11. CZ-160DAF2	Air outlet plenum for S-1014PF3E

Dimensions



Type	A	B	C	D	E	F
	mm	mm	mm	mm	mm	Q'ty
S-3650PF3E	867	800	450 (pitch 150 x 3)	71	592	12
S-6071PF3E	1067	1000	750 (pitch 150 x 5)	21	792	16
S-1014PF3E	1467	1400	1050 (pitch 150 x 7)	71	1192	20

Type	S-3650PF3E	S-6071PF3E	S-1014PF3E
1 Refrigerant piping (liquid)	Ø6,35 (flared)	Ø9,52 (flared) ¹⁾	Ø9,52 (flared)
2 Refrigerant piping (gas)	Ø12,70 (flared)	60: Ø15,88 (flared) ²⁾ , 71: Ø15,88 (flared)	Ø15,88 (flared)
3 Upper drain piping connection port VP20	Outer diameter 26 mm, 200 mm flexible hose supplied		
4 Suspension lug	4-12x30		
5 Power supply port			
6 Bottom drain piping connection port VP20	Ø26 mm		
7 Fresh air inlet duct connection port	Ø100 ³⁾		
8 Flange for flexible air outlet duct			
9 Electrical component box			

1) When connecting with U-40PZ3E5, U-71PZ3E5 or U-60PZH3E5, connect the liquid socket piping (Ø9,52 - Ø4,35) to the liquid piping side indoor unit.

2) When connecting with U-40PZ3E5 or U-60PZH3E5, connect the gas socket piping (Ø15,88 - Ø12,7) to the gas piping side indoor unit.

3) Necessary to attach duct connecting flange (field supply).

Filter dimension: 520 x 520 x 15 mm.

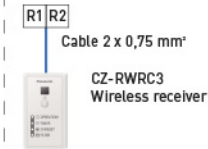
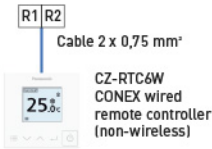
Wiring diagrams

PACi NX adaptive ducted unit kits 1x1

Indoor unit



Outdoor unit



Single phase
Power supply
230 V / 50 Hz / *



Three phase
Power supply
3 x 400 V / 1 N - 50 Hz / **

Single phase

Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker*
S-3650PF3E	4 x 1,5 mm ²	U-36PZ3E5	220/230/240 V	16 A
S-3650PF3E	4 x 1,5 mm ²	U-50PZ3E5		16 A
S-6071PF3E	4 x 1,5 mm ²	U-60PZ3E5A		20 A
S-6071PF3E	4 x 1,5 mm ²	U-71PZ3E5A		20 A
S-6010PF3E	4 x 2,5 mm ²	U-100PZ3E5		35 A
S-1014PF3E	4 x 2,5 mm ²	U-125PZ3E5		40 A
S-1014PF3E	4 x 2,5 mm ²	U-140PZ3E5		40 A

Three phase

Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker**
S-1014PF3E	4 x 2,5 mm ²	U-100PZ3E8	380/400/415 V	20 A
S-1014PF3E	4 x 2,5 mm ²	U-125PZ3E8		20 A
S-1014PF3E	4 x 2,5 mm ²	U-140PZ3E8		20 A