



PACi NX 4 way 60x60 cassette PY3 Standard

1. 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
- Internal cleaning function for the unit with nanoe™ X

2. Great balance of system cost and performance

- Energy class A++ both in heating and cooling*
- Wired remote controller CZ-RTC6WBL and CZ-RTC6BL allows easy system setting via Bluetooth®

*For 2,5kW

3. Compact and stylish design

- A modern panel design
- Required ceiling depth of only 250mm
- Exposed area is only 30mm



PACi

R32

nanoeX

A++

28%
ECONAVI

PACi NX Series

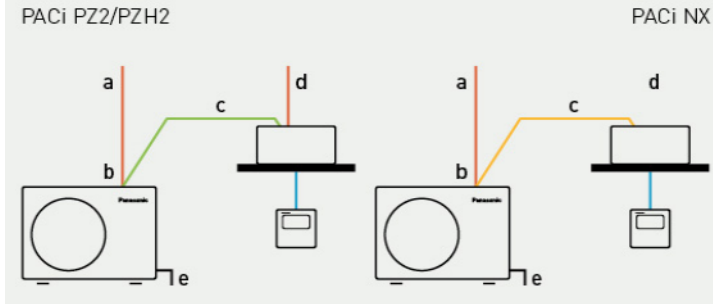


PACi NX Series for absolute ease of refurbishment. The next generation is here

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 NX Standard – For economy and value

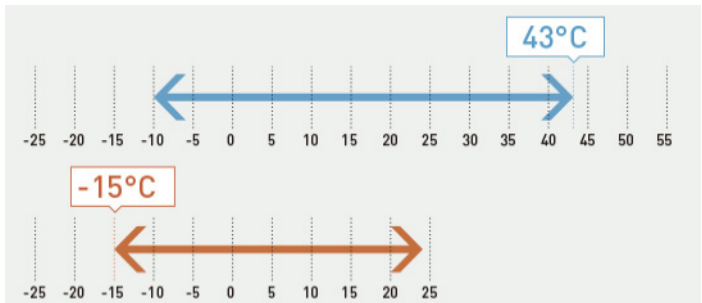
The Standard series are the perfect solutions for projects which demand quality on a limited budget.

- Absolute ease of refurbishment
- Low-height single fan outdoor unit design
- Top class SEER: A++ / SCOP: A++ for 2,5kW in the standard Inverter category
- Operation range up to 43°C in cooling and down to -15°C in heating
- Maximum piping length 40m

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

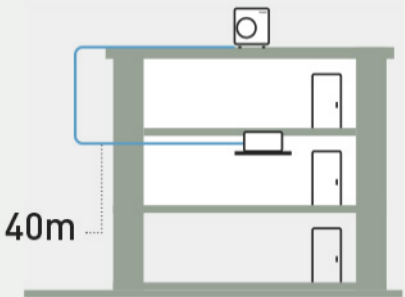
1) Energy label scale from A+++ to D for models below 12,0kW (EU regulation 626/2011). 2) $\eta_{s,c} / \eta_{s,h}$ values for models above 12,0kW (EN 14825).

a		
2,5kW	A++	A++
3,6kW	A++	A+
5,0kW	A++	A+
6,0kW	A++	A+



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 40m

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

Piping length: 40m (6,0kW), 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).

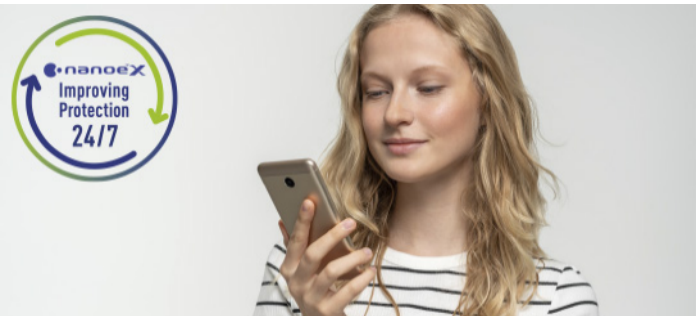
PACi NX Series



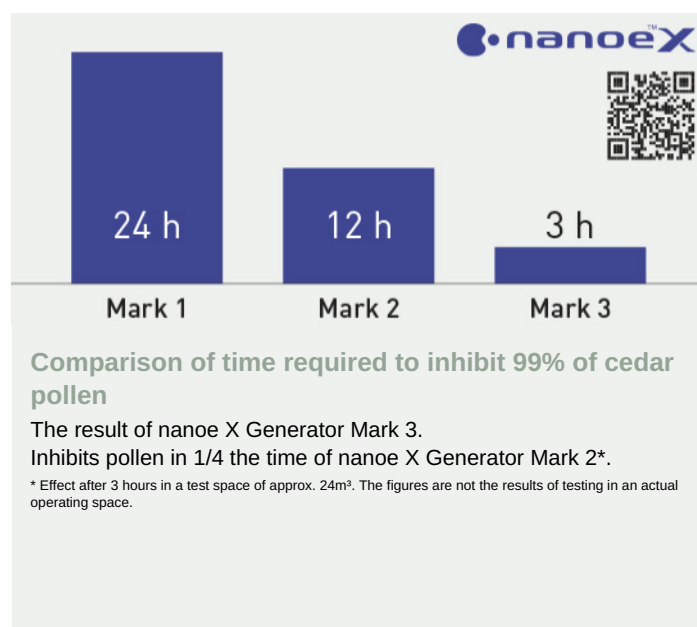
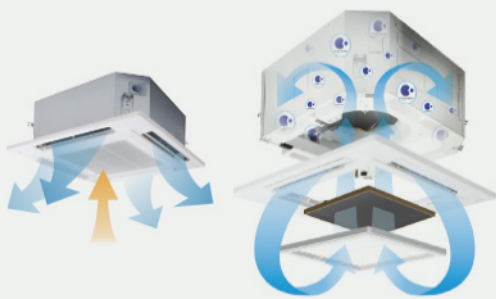
Bringing nature's balance indoors
nanoe™ X, technology with the benefits of hydroxyl radicals
 Abundant in nature, hydroxyl radicals have the capacity to inhibit pollutants. nanoe™ X, technology can bring these incredible benefits indoors so that hard surfaces, soft furnishings, and the indoor environment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

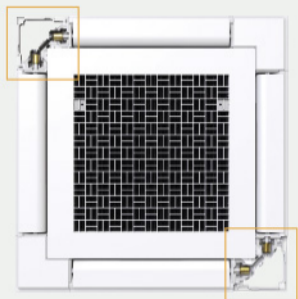



nanoe™ X: improving protection 24/7
 Acts to clean your air, so that the indoor environment can be a cleaner and more pleasant place to be all day long. nanoe™ X works together with heating or cooling function when you are at home and can work independently when you are away. Give the air conditioning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

Always fresh and clean air with nanoe™ X
 The 4 way 90x90 cassette with nanoe™ X, when tested, has shown to inhibit hazardous substances by 92%, when compared to natural reduction*. In addition to the 7 effects of nanoe™ X, the indoor unit can also be cleaned with a short operation of nanoe™ X dry mode. After cooling/drying operation, the inside of the indoor unit is automatically dried and nanoe™ X is activated to suppress mould growth.

* Controllers (CZ-RTC5B or CZ-RTC6/BL/BLW) are required.



Individual flap control
 Better control of the air flow with 4 motors, providing individual flap control. Perfect air distribution without direct airflow, to reduce the feeling of cold drafts.

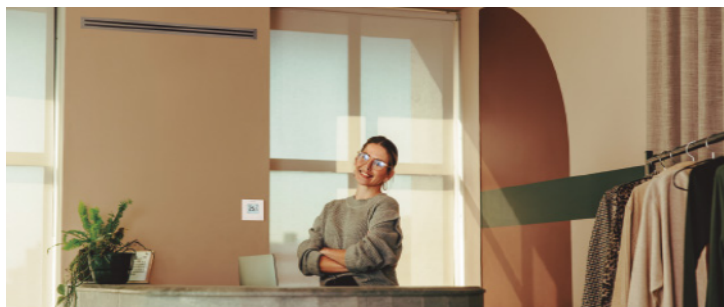
PACi NX Series Standard 4 way 60x60 cassette Inverter+ - R32

PACi NX Series Standard 4 way 60x60 cassette Inverter+ - R32		SINGLE PHASE			
		2.5 kW	3.6 kW	5.0 kW	6.0 kW
Kit		KIT-25PY3Z5	KIT-35PY3Z5	KIT-50PY3Z5	KIT-60PY3Z5
Remote controller		CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity (Nominal)	kW	2,5	3,6	5,0	6,0
Cooling capacity (Min)	kW	1,5	1,5	1,5	2,0
Cooling capacity (Max)	kW	3,9	4,0	5,6	7,0
EER (Nominal) (1)	W/W	4,46	3,96	3,50	3,39
EER (Min) (1)	W/W	3,55	3,57	3,03	2,77
EER (Max) (1)	W/W	5,88	5,88	6,25	6,90
SEER (2)		6,5 A++	6,7 A++	7,3 A++	6,8 A++
Pdesign (cooling)	kW	2,5	3,6	5,0	6,0
Input power cooling (Nominal)	kW	0,56	0,91	1,43	1,77
Annual energy consumption cooling (3)	kWh/a	134	188	238	3,05
Input power cooling (Min)	kW	0,26	0,26	0,24	0,29
Input power cooling (Max)	kW	1,10	1,12	1,85	2,53
Annual energy consumption cooling (3)	kWh/a	134	188	238	3,05
Heating capacity (Nominal)	kW	3,2	3,6	5,0	6,0
Heating capacity (Min)	kW	1,5	1,5	1,5	1,8
Heating capacity (Max)	kW	4,6	4,6	6,4	7,0
COP (Nominal) (1)	W/W	4,44	4,29	3,94	3,61
COP (Min) (1)	W/W	3,41	3,38	2,91	2,86
COP (Max) (1)	W/W	6,52	6,52	7,50	7,60
SCOP (2)		4,6 A++	4,3 A+	4,4 A+	4,2 A+
Pdesign at -10°C	kW	2,8	2,8	4,0	4,6
Input power heating (Nominal)	kW	0,72	0,84	1,27	1,66
Input power heating (Min)	kW	0,23	0,23	0,20	0,24
Input power heating (Max)	kW	1,35	1,36	2,20	2,45
Annual energy consumption heating (3)	kWh/a	850	912	1,264	1,500
Indoor unit		S-25PY3E	S-36PY3E	S-50PY3E	S-60PY3E
Indoor air flow (Hi)	m³/min	8,5	9,5	12,0	14,0
Indoor air flow (Med)	m³/min	7,0	7,0	9,5	10,5
Indoor air flow (Lo)	m³/min	6,0	6,0	6,5	8,0
Moisture removal volume	L/h	0,7	1,5	2,3	2,8
Indoor sound pressure (Med) (4)	dB(A)	28	30	34	37
Indoor sound pressure (Lo) (4)	dB(A)	25	25	27	31
Indoor sound power (Hi)	dB(A)	46	49	54	58
Indoor sound power (Med)	dB(A)	43	45	49	52
Indoor sound power (Lo)	dB(A)	40	40	42	46
Indoor dimension (Height)	mm	243	243	243	243
Indoor dimension (Width)	mm	575	575	575	575
Indoor dimension (Depth)	mm	575	575	575	575
Panel dimension (Height)	mm	30	30	30	30
Panel dimension (Depth)	mm	625	625	625	625
Indoor net weight	kg	15	15	15	15
Panel net weight	kg	2,8	2,8	2,8	2,8
nanoe X Generator		Mark 2	Mark 2	Mark 2	Mark 2
Outdoor unit		U-25PZ3E5	U-36PZ3E5	U-50PZ3E5	U-60PZ3E5A
Outdoor power source	V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current in cooling (1p 220V / 3p 380)	A	2,65	4,20	6,65	8,20
Current in cooling (1p 230V / 3p 400)	A	2,55	4,05	6,35	7,85
Current in cooling (1p 240V / 3p 415)	A	2,45	3,85	6,10	7,55
Current in heating (1p 220V / 3p 380)	A	3,40	3,95	5,695	7,70
Current in heating (1p 230V / 3p 400)	A	3,25	3,75	5,70	7,35
Current in heating (1p 240V / 3p 415)	A	3,10	3,60	5,45	7,05
Outdoor air flow (Cool)	m³/min	33,6	32,6	32,7	42,6
Outdoor air flow (Heat)	m³/min	34,0	34,0	31,9	41,5
Outdoor sound pressure (Cool -Hi)	dB(A)	46	46	46	47
Outdoor sound pressure (Heat -Hi)	dB(A)	47	47	48	48
Outdoor sound power (Cool -Hi)	dB(A)	64	64	64	64
Outdoor sound power (Heat -Hi)	dB(A)	66	66	64	65
Outdoor dimension (Height)	mm	619	619	619	695
Outdoor dimension (Width)	mm	824	824	824	875
Outdoor dimension (Depth)	mm	299	299	299	320
Outdoor net weight	kg	32	32	35	46
Pipe diameter (Liquid)	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35) (5)
Pipe diameter (Gas)	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70) (6)
Pipe length range	m	3 ~ 15	3 ~ 15	3 ~ 20	3 ~ 40
Elevation difference (in/out) (5)	m	15 / 15	15 / 15	15 / 15	15 / 30
Pipe length for additional gas	m	7,5	7,5	7,5	30
Additional gas amount	g/m	10	10	15	15
Refrigerant (R32) / CO2 Eq.	kg / T	0,87 / 0,59	0,87 / 0,59	1,14 / 0,77	1,15 / 0,78
Operating range (Cool - Min)	°C	-10	-10	-10	-10
Operating range (Cool - Max)	°C	+43	+43	+43	+43
Operating range (Heat - Min)	°C	-15	-15	-15	-15
Operating range (Heat - Max)	°C	+24	+24	+24	+24
Kit		KIT-25PY3Z5	KIT-35PY3Z5	KIT-50PY3Z5	KIT-60PY3Z5
Remote controller		CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
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Indoor sound power (Med)	dB(A)	43	45	49	52
Indoor sound power (Lo)	dB(A)	40	40	42	46
Indoor dimension (Height)	mm	243	243	243	243
Indoor dimension (Width)	mm	575	575	575	575
Indoor dimension (Depth)	mm	575	575	575	575
Panel dimension (Height)	mm	30	30	30	30
Panel dimension (Depth)	mm	625	625	625	625
Indoor net weight	kg	15	15	15	15
Panel net weight	kg	2,8	2,8	2,8	2,8
nanoe X Generator		Mark 2	Mark 2	Mark 2	Mark 2
Outdoor unit		U-25PZ3E5	U-36PZ3E5	U-50PZ3E5	U-60PZ3E5A
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Current in cooling (1p 240V / 3p 415)	A	2,45	3,85	6,10	7,55
Current in heating (1p 220V / 3p 380)	A	3,40	3,95	5,695	7,70
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Pipe diameter (Gas)	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70) (6)
Pipe length range	m	3 ~ 15	3 ~ 15	3 ~ 20	3 ~ 40
Elevation difference (in/out) (7)	m		15 / 15 (8)	15 / 15 (8)	15 / 30 (8)
Pipe length for additional gas	m	7,5	7,5	7,5	30
Additional gas amount	g/m	10	10	15	15
Refrigerant (R32) / CO2 Eq.	kg / T	0,87 / 0,59	0,87 / 0,59	1,14 / 0,77	1,15 / 0,78
Operating range (Cool - Min)	°C	-10	-10	-10	-10
Operating range (Cool - Max)	°C	+43	+43	+43	+43
Operating range (Heat - Min)	°C	-15	-15	-15	-15
Operating range (Heat - Max)	°C	+24	+24	+24	+24

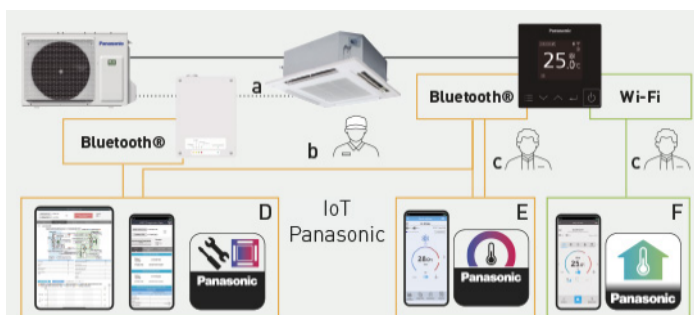
Smart & intuitive controls for PACi NX Series



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.

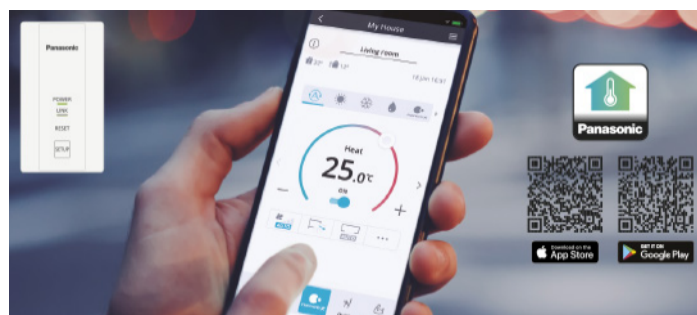
1. **Intuitive control** with stylish design
2. **Control comfort** with your smartphone
3. **Easy maintenance** with service support app



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

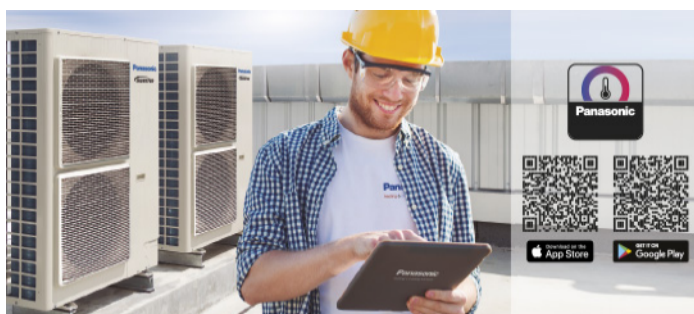


Commercial Wi-Fi Adaptor for Panasonic Comfort Cloud App

- 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

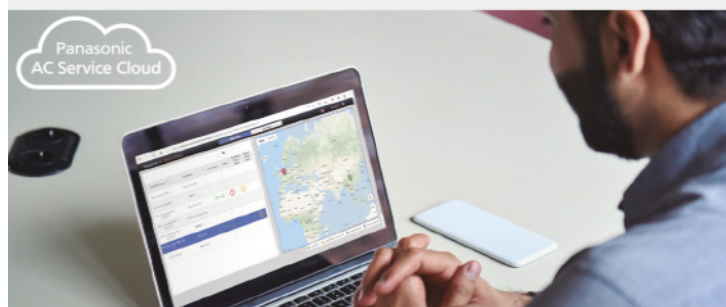
- For end user, service and installer · Connection via Bluetooth®

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

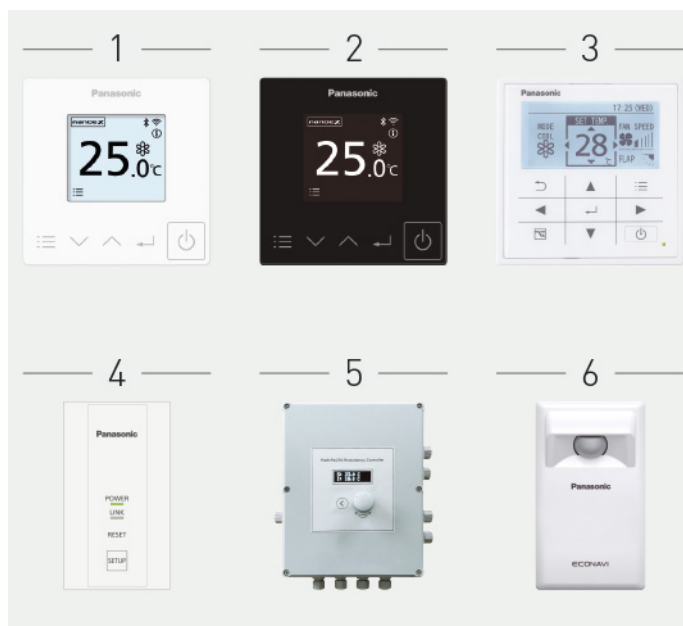
Panasonic AC Smart and Service Cloud is the modern and scalable energy management system for your heating and cooling solutions. One screen with endless possibilities.

AC Smart Cloud for owner and facility manager.

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

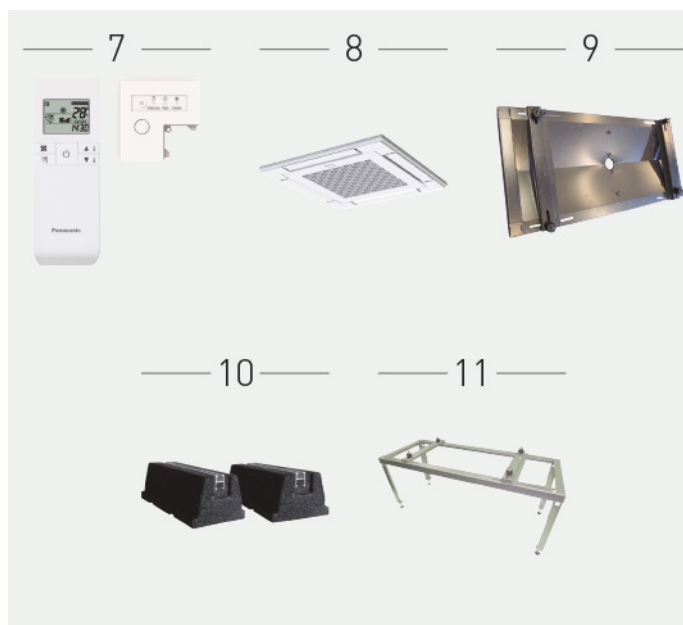
AC Service Cloud for service and installer.

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



Accessories

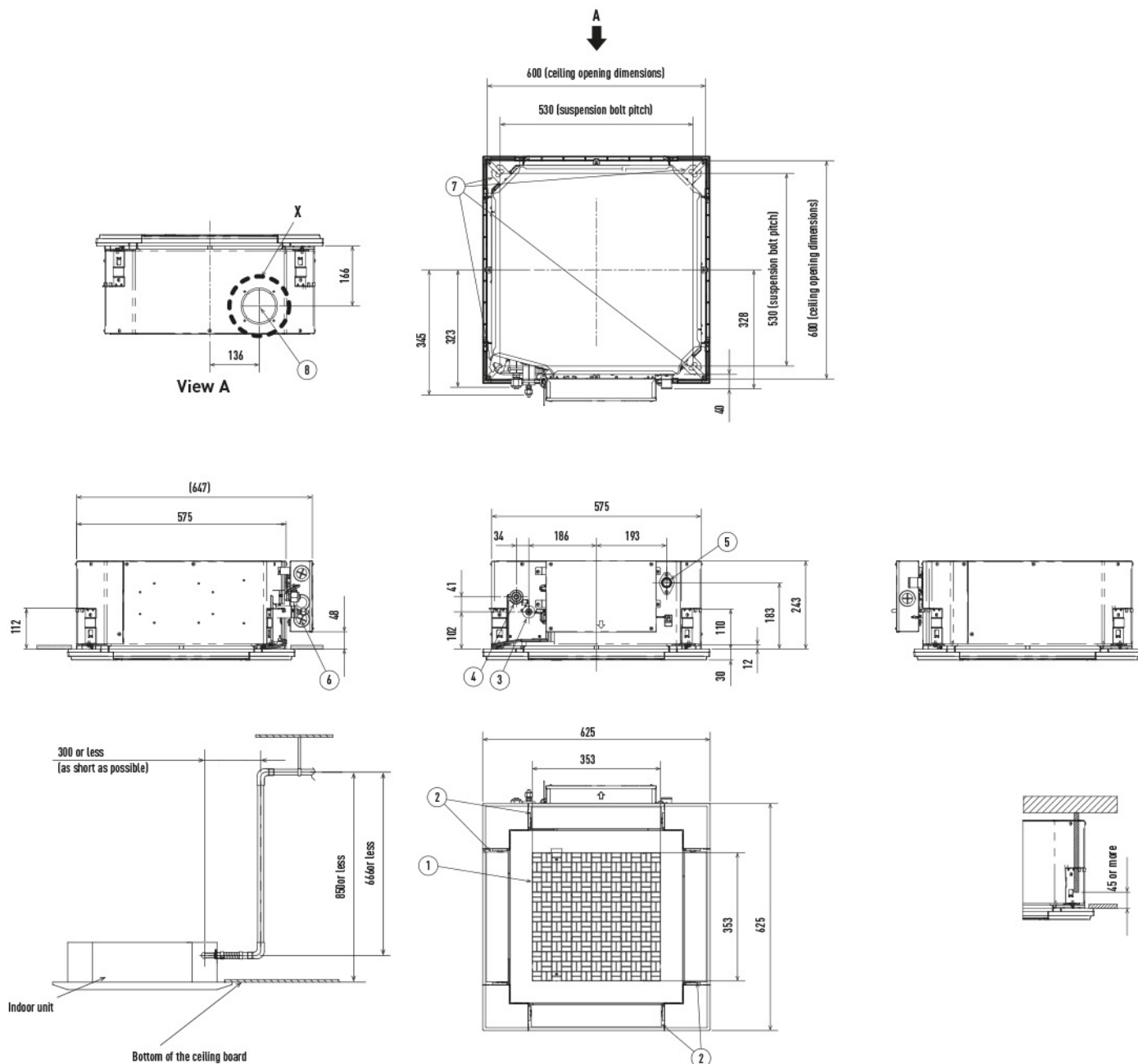
1. CZ-RTC6W	CONEX wired remote controller (non-wireless), white
1. CZ-RTC6WBL	CONEX wired remote controller with Bluetooth®, white
1. CZ-RTC6WBLW	CONEX wired remote controller with Wi-Fi and Bluetooth®, white
2. CZ-RTC6	CONEX wired remote controller (non-wireless), black
2. CZ-RTC6BL	CONEX wired remote 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-RWRY3	Infrared remote controller and receiver
8. CZ-KPY4	Panel
9. PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform
10. PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
11. PAW-GRDSTD40	Outdoor elevation platform 400x 900x 400 mm

Dimensions



* Length of supplied drain piping= 250 mm.

Type	25-50	60
1 Air inlet		
2 Air outlet		
3 Refrigerant piping (liquid)	Ø6,35 (flared)	Ø9,52 (flared) ¹⁾
4 Refrigerant piping (gas)	Ø12,70 (flared)	Ø15,88 (flared) ²⁾
5 Drain piping connection port VP20		
6 Power supply port		
7 Suspension bolt hole (4-11x26 slot)		
8 Fresh air inlet duct connection port (Ø100) ³⁾		

1) When connecting with U-60PZ3ESA or U-60PZH3E5, connect the liquid socket piping (Ø9,52-Ø6,35) to the liquid piping side indoor unit.

2) When connecting with U-60PZ3ESA or U-60PZH3E5, connect the gas socket piping (Ø15,88-Ø12,70) to the gas piping side indoor unit.

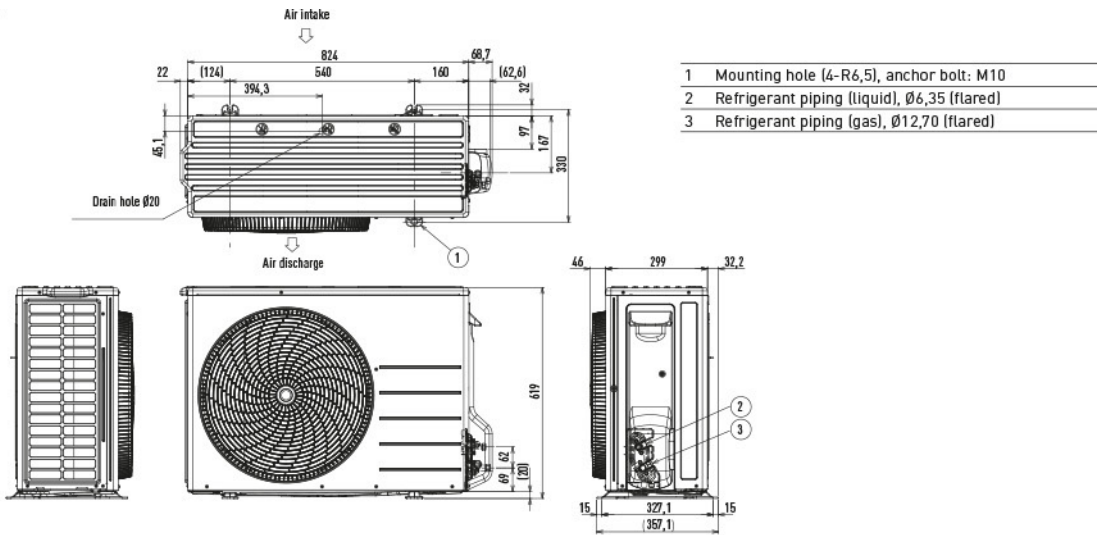
3) Necessary to attach duct connecting flange (field supply).

Filter dimension: 362 x 362 x 15 mm.

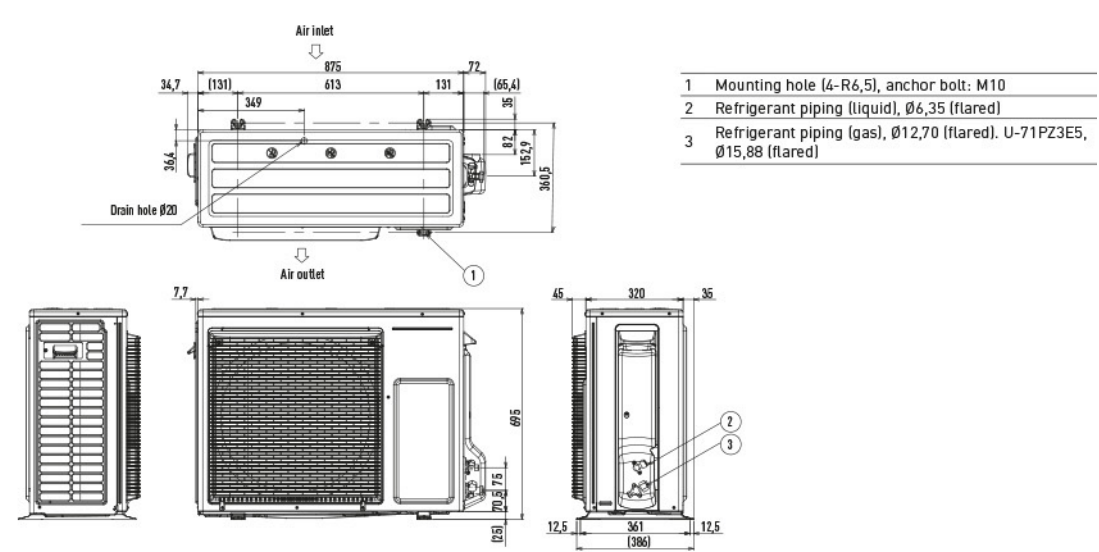
Detailed view X

Dimensions

PACi NX. Standard 2,5 - 5,0 kW



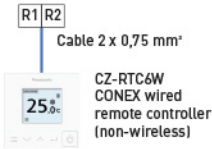
PACi NX. Standard 6,0 kW



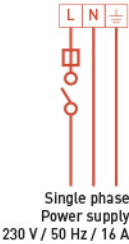
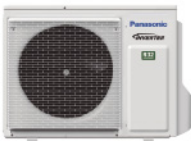
Wiring diagrams

PACi NX 4 way 60x60 cassette kits 1x1

Indoor unit



Outdoor unit



Single phase

Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker
S-25PY3E	4 x 1,5 mm²	U-25PZ3E5	220/ 230/ 240 V	16 A
S-36PY3E	4 x 1,5 mm²	U-36PZ3E5		16 A
S-50PY3E	4 x 1,5 mm²	U-50PZ3E5		16 A
S-60PY3E	4 x 1,5 mm²	U-60PZ3E5A		16 A