



PACi NX ceiling PT3 Elite

1. Energy-saving technology delivering top-class efficiency

- Energy class A++ both in heating and cooling in most capacities
- Optimisation of the shape of the casing and fan assures bigger air flow and higher efficiency

2. Streamlined and compact design with easy system setup

- With a sleek, single-motion design, the unit presents a slim and compact profile when installed
- Wired remote controller CZ-RTC6WBL and CZ-RTC6BL allows easy system setting via Bluetooth®

3. Better indoor air quality with nanoe™ X

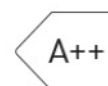
- nanoe™ X (Generator Mark 2: 9,6 trillion hydroxyl radicals/sec) as standard for better indoor air quality



PACi



nanoeX



PACi NX Series

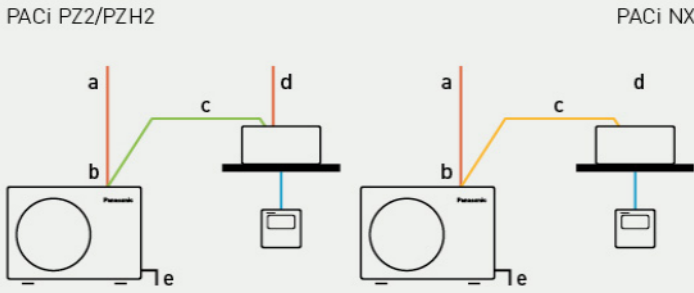


PACi NX Series for absolute ease of refurbishment. The next generation is here

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 Elite – Top-tier commercial air conditioning

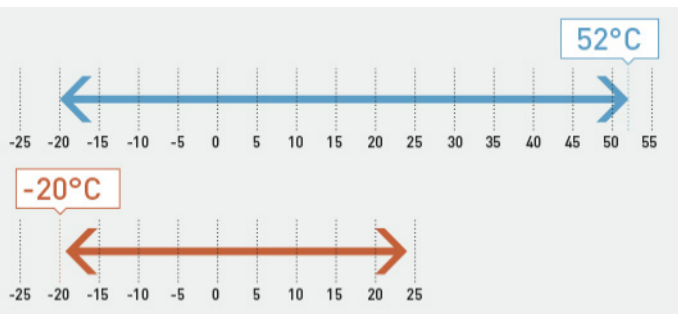
This series provide outstanding seasonal performance at extreme ambient condition both in heating and cooling.

- Absolute ease of refurbishment
- Low-height single fan outdoor unit design
- Top class SEER: A++ / SCOP: A++ in most capacities
- Operation range up to 52°C in cooling and down to -20°C in heating
- Maximum piping length 100m

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).

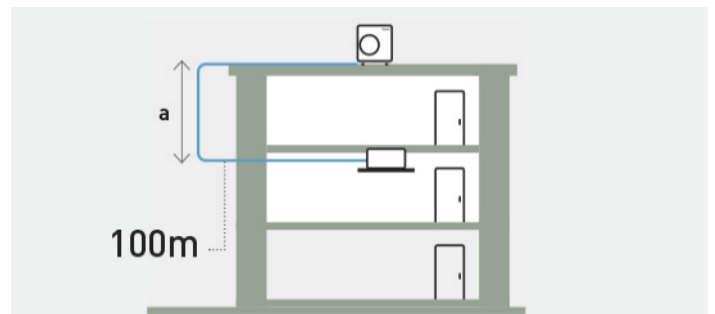
a		
3,6kW	A++	A++
5,0kW	A++	A++
6,0kW	A++	A++
7,1kW	A++	A++
10,0kW	A++	A+
12,5kW	278,4%	175,6%
14,0kW	263,3%	169,3%



PACi NX Elite – Extended operation range up to 52°C in cooling and down to -20°C in heating

Upgraded PACi NX Elite Series are capable of working even in the challenging ambient conditions. Cooling operation is possible when outdoor temperature is as low as -20°C or as high as 52°C. Heating operation can also be utilized at outdoor temperatures down to -20°C when outdoor temperature is as low as -20°C.

* For models 10,0 – 14,0kW.



PACi NX Elite – Long piping allowance maximum 100m*

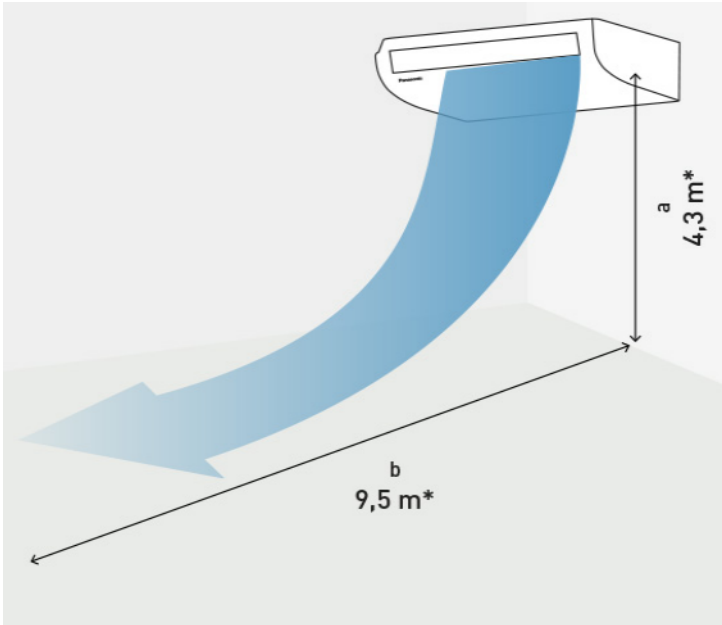
Increased piping length gives great design flexibility to adapt various building types and sizes.

Piping length: 100m (10,0 to 14,0kW), 60m (7,1kW), 40m (>7,1kW).

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

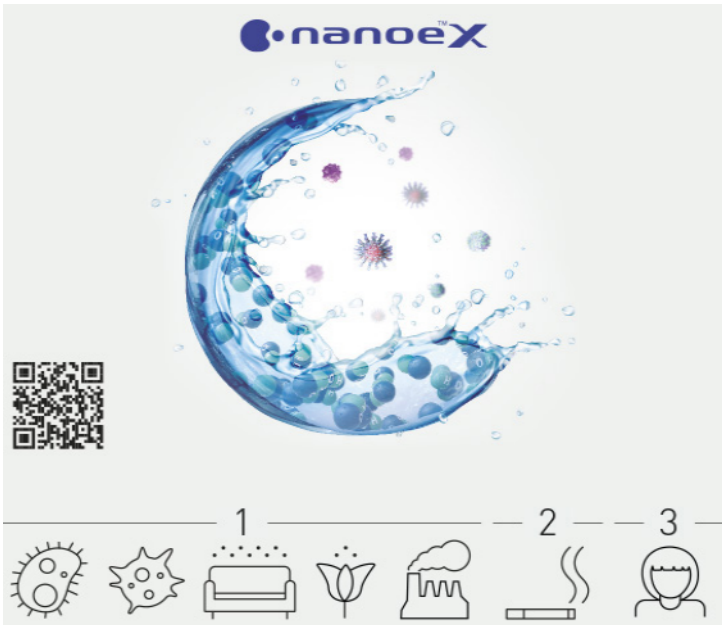


Comfortable, long-distance airflow distribution

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

a: Ceiling height - b: Air flow distance.

* Results are based on specific testing conditions.



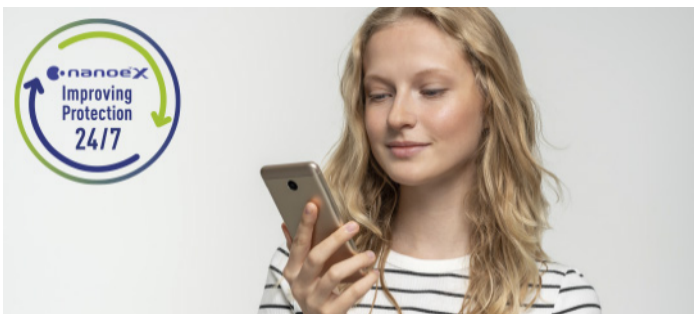
Bringing nature's balance indoors

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.

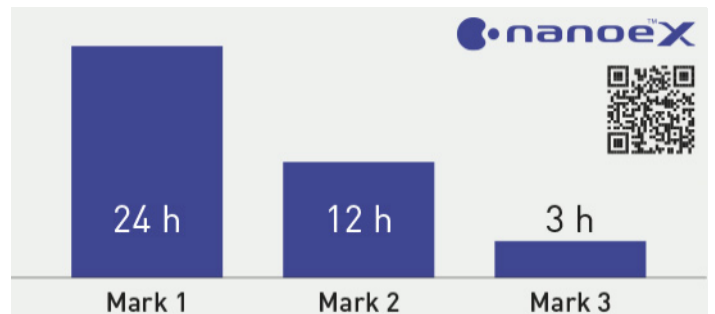
7 effects of nanoe™ X – Panasonic unique technology

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.



Comparison of time required to inhibit 99% of cedar pollen

The result of nanoe X Generator Mark 3. Inhibits pollen in 1/4 the time of nanoe X Generator Mark 2*.

* Effect after 3 hours in a test space of approx. 24m³. The figures are not the results of testing in an actual operating space.

PACi NX Series Elite ceiling Inverter+ - R32

PACi NX Series Elite ceiling Inverter+ - R32		SINGLE PHASE				THREE PHASE					
		7.1 kW	10.0 kW	12.5 kW	14.0 kW	7.1 kW	10.0 kW	10.0 kW	12.5 kW	12.5 kW	14.0 kW
Kit		KIT-71PT3ZH45 CZ-RTC5B	KIT-100PT3ZH45 CZ-RTC5B	KIT-125PT3ZH45 CZ-RTC5B	KIT-140PT3ZH45 CZ-RTC5B	KIT-71PT3ZH48 CZ-RTC5B	KIT-100PT3ZH8 CZ-RTC5B	KIT-100PT3ZH48 CZ-RTC5B	KIT-125PT3ZH8 CZ-RTC5B	KIT-125PT3ZH48 CZ-RTC5B	KIT-140PT3ZH48 CZ-RTC5B
Remote controller											
Cooling capacity (Nominal)	kW	6,8	9,5	12,1	13,4	6,8	9,5	9,5	12,1	12,1	13,4
Cooling capacity (Min)	kW	2,2	3,1	3,2	3,3	2,2	3,1	3,1	3,2	3,2	3,3
Cooling capacity (Max)	kW	9,0	12,5	14,0	16,0	9,0	12,5	12,5	14,0	14,0	16,0
EER (Nominal) (1)	W/W	3,91	4,06	3,46	3,21	3,91	4,15	4,06	3,51	3,46	3,21
EER (Min) (1)	W/W	2,69	3,29	3,01	2,67	2,69		3,29	3,01	2,67	
EER (Max) (1)	W/W	5,79	5,34	5,33	5,32	5,79		5,34		5,33	5,32
SEER/ηsc (2)	%	7,3 A++	7,3 A++	278,4%	263,3%	7,2 A++	7,2 A++	7,2 A++	277,3 %	277,3%	262,4%
Pdesign (cooling)	kW	6,8	9,5	12,1	13,4	6,8	9,5	9,5	12,1	12,1	13,4
Input power cooling (Nominal)	kW	1,74	2,34	3,50	4,17	1,74	2,29	2,34	3,45	3,50	4,17
Input power cooling (Min)	kW	0,38	0,58	0,60	0,62	0,38		0,58		0,60	0,66
Input power cooling (Max)	kW	3,35	3,80	4,65	6,00	3,35		3,80		4,65	6,00
Annual energy consumption cooling (3)	kWh/a	326	456	—	—	331	462	462	—	—	—
Heating capacity (Nominal)	kW	8,0	11,2	14,0	16,0	8,0	11,2	11,2	14,0	14,0	16,0
Heating capacity (Min)	kW	2,0	3,1	3,2	3,3	2,0	3,1	3,1	3,2	3,2	3,3
Heating capacity (Max)	kW	9,0	14,0	16,0	18,0	9,0	14,0	14,0	16,0	16,0	18,0
COP (Nominal) (1)	W/W	3,96	4,00	3,78	3,38	3,96	4,09	4,00	3,78	3,78	3,38
COP (Min) (1)	W/W	3,16	3,54	3,20	3,10	3,16		3,54		3,20	3,10
COP (Max) (1)	W/W	5,56	5,54	5,52	5,50	5,56		5,54		5,52	5,50
SCOP/ηsc (2)	%	4,7 A++	4,5 A+	175,6%	169,3%	4,7 A++	4,7 A++	4,5 A+	180,9 %	175,6%	169,3%
Pdesign at -10°C	kW	4,7	7,8	9,5	10,2	4,7	7,8	7,8	9,5	9,5	10,2
Input power heating (Nominal)	kW	2,02	2,80	3,70	4,74	2,02	2,74	2,80	3,7	3,70	4,74
Input power heating (Min)	kW	0,36	0,56	0,58	0,60	0,36		0,56		0,58	0,60
Input power heating (Max)	kW	2,85	3,95	5,00	5,80	2,85		3,95		5,00	5,80
Annual energy consumption heating (3)	kWh/a	1.400	2.426	—	—	1.400	2.324	2.427	—	—	—
Indoor unit		S-6071PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	S-6071PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E
Indoor air flow (Hi)	m³/min	21,0	30,0	34,0	35,0	21,0	30,0	30,0	34,0	34,0	35,0
Indoor air flow (Med)	m³/min	18,0	25,0	28,0	29,0	18,0	25,0	25,0	28,0	28,0	29,0
Indoor air flow (Lo)	m³/min	15,5	23,0	24,0	25,0	15,5	23,0	23,0	24,0	24,0	25,0
Moisture removal volume	L/h	2,7	3,6	5,4	6,4	2,7	3,6	3,6	5,4	5,4	6,4
Indoor sound pressure (Med) (4)	dB(A)	35	37	40	41	35	37	37	40	40	41
Indoor sound pressure (Lo) (4)	dB(A)	30	34	35	36	30	34	34	35	35	36
Indoor sound power (Hi)	dB(A)	57	60	64	65	57	60	60	64	64	65
Indoor sound power (Med)	dB(A)	53	55	58	59	53	55	55	58	58	59
Indoor sound power (Lo)	dB(A)	48	52	53	54	48	52	52	53	53	54
Indoor dimension (Height)	mm	235	235	235	235	235	235	235	235	235	235
Indoor dimension (Width)	mm	1.275	1.590	1.590	1.590	1.275	1.590	1.590	1.590	1.590	1.590
Indoor dimension (Depth)	mm	690	690	690	690	690	690	690	690	690	690
Indoor net weight	kg	34	40	40	40	34	40	40	40	40	40
nanoe X Generator		Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2
Outdoor unit		U-71PZH4E5	U-100PZH4E5	U-125PZH4E5	U-140PZH4E5	U-71PZH4E8	U-100PZH3E8	U-100PZH4E8	U-125PZH3E8	U-125PZH4E8	U-140PZH4E8
Outdoor power source	V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current in cooling (1p 220V / 3p 380) A		8,80	11,60	17,10	20,40	2,95	3,80	3,60	5,70	5,45	6,15
Current in cooling (1p 230V / 3p 400) A		8,40	11,10	16,40	19,50	2,80	3,65	3,40	5,40	5,15	5,85
Current in cooling (1p 240V / 3p 415) A		8,05	10,60	15,70	18,70	2,70	3,45	3,25	5,20	5,00	5,65
Current in heating (1p 220V / 3p 380) A		10,20	13,70	18,10	23,20	3,15	4,55	3,75	6,20	5,10	6,20
Current in heating (1p 230V / 3p 400) A		9,75	13,20	17,30	22,20	3,00	4,35	3,55	5,85	4,80	5,90
Current in heating (1p 240V / 3p 415) A		9,35	12,70	16,60	21,20	2,90	4,15	3,40	5,65	4,65	5,65
Outdoor air flow (Cool)	m³/min	62,0	76,0	86,0	89,0	62,0	118,0	76,0	125,0	86,0	89,0
Outdoor air flow (Heat)	m³/min	66,0	70,0	78,0	83,0	66,0	108,0	70,0	112,0	78,0	83,0
Outdoor sound pressure (Cool -Hi)	dB(A)	48	52	55	56	48	52	52	53	55	56
Outdoor sound pressure (Heat -Hi)	dB(A)	50	52	55	56	50	52	52	53	55	56
Outdoor sound power (Cool -Hi)	dB(A)	65	69	73	74	65	69	69	70	73	74
Outdoor sound power (Heat -Hi)	dB(A)	67	69	73	74	67	69	69	70	73	74
Outdoor dimension (Height)	mm	996	996	996	996	996	1.416	996	1.416	996	996
Outdoor dimension (Width)	mm	980	980	980	980	980	940	980	940	980	980
Outdoor dimension (Depth)	mm	370	370	370	370	370	340	370	340	370	370
Outdoor net weight	kg	66	84	86	86	66	98	82	98	84	84
Pipe diameter (Liquid)	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
Pipe diameter (Gas)	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range	m	5 ~ 60	5 ~ 100	5 ~ 100	5 ~ 100	5 ~ 60	5 ~ 85	5 ~ 100	5 ~ 85	5 ~ 100	5 ~ 100
Elevation difference (in/out) (7)	m	15 / 30	15 / 30	15 / 30	15 / 30	15 / 30	15 / 30 (8)	15 / 30	15 / 30 (8)	15 / 30	15 / 30
Pipe length for additional gas	m	30	30	30	30	30	30	30	30	30	30
Additional gas amount	g/m	30	40	40	40	30	45	40	45	40	40
Refrigerant (R32) / CO2 Eq.	kg / T	1,95 / 1,32	2,70 / 1,82	3,00 / 2,03	3,00 / 2,03	1,95 / 1,32	3,05 / 2,06	2,70 / 1,82	3,05 / 2,06	3,00 / 2,03	3,00 / 2,03
Operating range (Cool - Min)	°C	-15	-20 (8)	-20 (8)	-20 (8)	-15	-20	-20 (8)	-20	-20 (8)	-20 (8)
Operating range (Cool - Max)	°C	+52	+52	+52	+52	+52	+48 (9)	+52	+48 (9)	+52	+52
Operating range (Heat - Min)	°C	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Operating range (Heat - Max)	°C	+24	+24	+24	+24	+24	+24	+24	+24	+24	+24

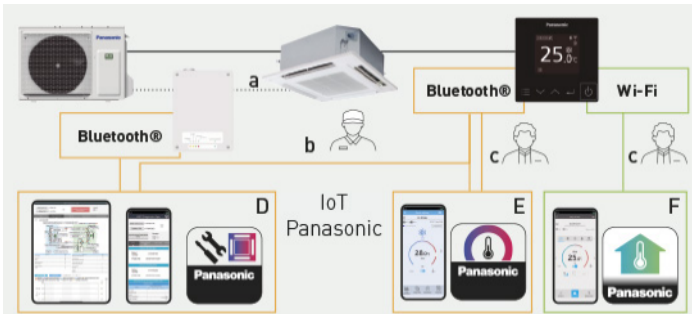
Smart & intuitive controls for PACi NX Series



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

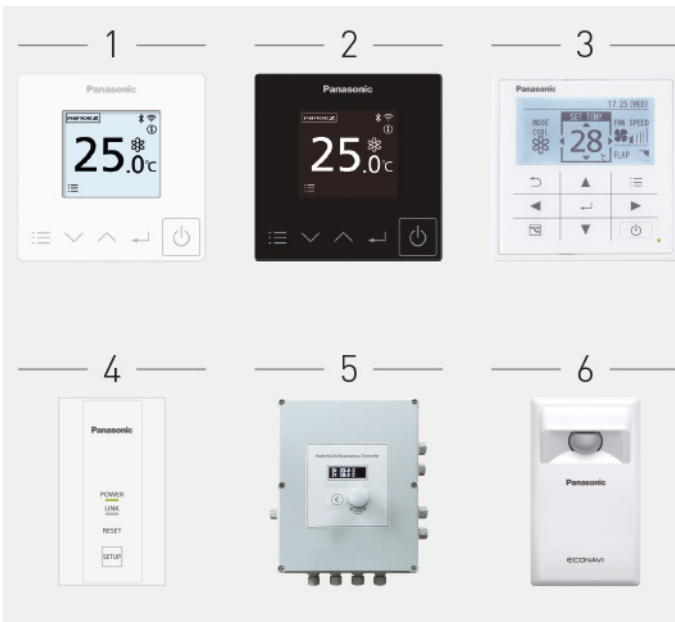
Panasonic AC Smart and Service Cloud is the modern and scalable energy management system for your heating and cooling solutions. One screen with endless possibilities.

AC Smart Cloud for owner and facility manager.

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

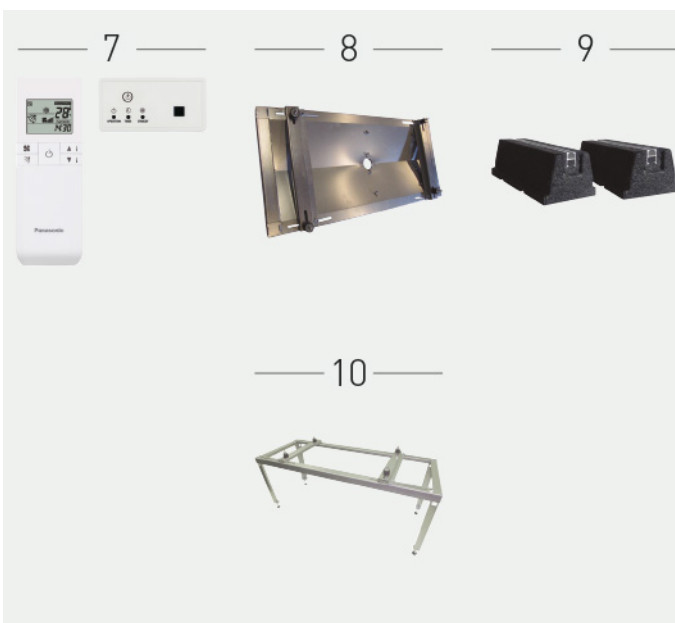
AC Service Cloud for service and installer.

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



Accessories

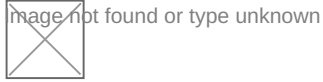
1. CZ-RTC6W	CONEX wired remote controller (non-wireless), white
1. CZ-RTC6WBL	CONEX wired remote controller with Bluetooth®, white
1. CZ-RTC6WBLW	CONEX wired remote controller with Wi-Fi and Bluetooth®, white
2. CZ-RTC6	CONEX wired remote controller (non-wireless), black
2. CZ-RTC6BL	CONEX wired remote 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



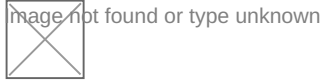
Accessories

7. CZ-RWS3 + CZ-RWRT3	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 400x 900x 400 mm

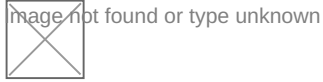
Dimensions



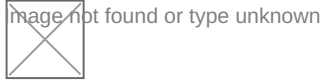
Dimensions



Dimensions



Dimensions



Wiring diagrams

