



PACi NX wall-mounted PK4 Elite

1. Superior energy efficiency and comfort

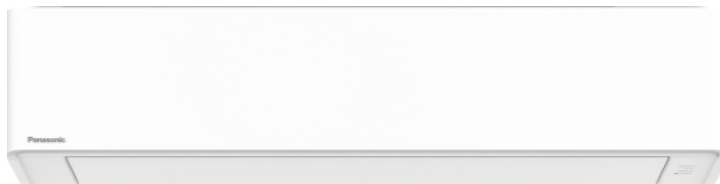
- Energy class A++ both in heating and cooling in most capacities
- DC fan for better efficiency and control

2. Compact design with easy installation

- Modern design with flat face and compact size
- Six-directional piping outlet and enhanced fan serviceability
- Wired remote controller CZ-RTC6WBL and CZ-RTC6BL allows easy system setting via Bluetooth®

3. Better indoor air quality with nanoe™ X

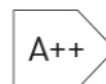
- nanoe™ X (Generator Mark 3: 48 trillion hydroxyl radicals/sec) as standard for better indoor air quality



PACi



nanoe[™]X



PACi NX Series

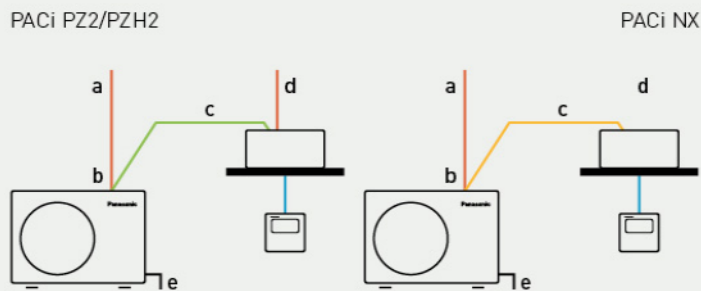


PACi NX Series for absolute ease of refurbishment. The next generation is here

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

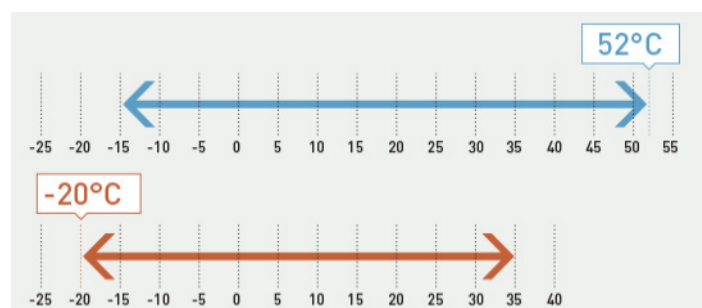
This series provide outstanding seasonal performance at extreme ambient condition both in heating and cooling.

- 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 class ¹⁾ and seasonal efficiency value ($\eta_{s,c}$ / $\eta_{s,h}$) ²⁾.

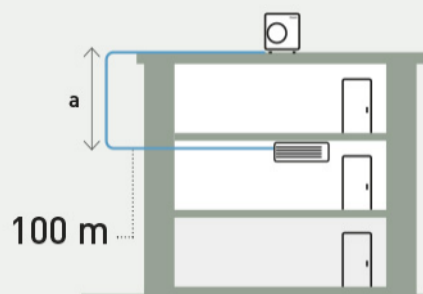
1) Energy label scale from A+++ to D for models below 12,0kW (EU regulation 626/2011). 2) $\eta_{s,c}$ / $\eta_{s,h}$ values for models above 12,0kW (EN 14825).

a		
3,6kW	A++	A++
5,0kW	A++	A++
6,0kW	A++	A++
7,1kW	A++	A++
10,0kW	A++	A+



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. Wide operation range, -15°C to 52°C in cooling and -20°C to 35°C in heating.



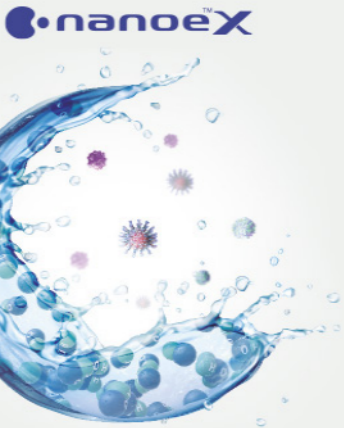
PACi NX Elite – Long piping allowance maximum 100m

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

Piping length: 100m

a: Maximum height difference between outdoor unit and indoor unit: 30m. (For both instances where the outdoor unit is positioned either higher or lower than 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



1

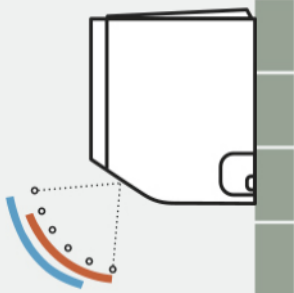


2



3





Air distribution is automatically altered depending on the operational mode of the unit

Air outlet angle is automatically adjusted for cooling and heating operation.

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.



Piping outlet in six directions

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




Efficient installation with drain hose support holders and lock mechanism

1. Easy connection and disconnection of the drain hose

Locking mechanism between the drain tray and hose ensures a tight connection during installation and easy dismantling.

2. Built-in support holders for secure spacing

Holds the indoor unit against the wall, providing clear access for setting up the drain hose and piping.

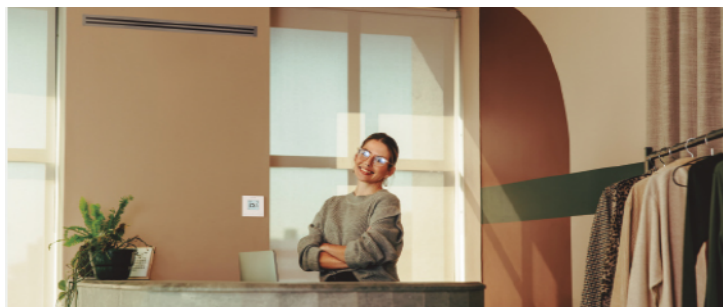
PACi NX Series Elite wall-mounted Inverter+ - R32

PACi NX Series Elite wall-mounted - PK4 · R32		SINGLE PHASE					THREE PHASE	
		3.6 kW	5.0 kW	6.0 kW	7.1 kW	10.0 kW	7.1 kW	10.0 kW
Input power heating (Min)	kW	0,22	0,22	0,22	0,36	0,58	0,36	0,58
Outdoor dimension (Width)	mm	875	875	875	980	980	980	980
Outdoor air flow (Heat)	m³/min	36,4	42,0	42,0	66,0	70,0	66,0	70,0
Outdoor air flow (Cool)	m³/min	34,1	42,0	42,0	62,0	76,0	62,0	76,0
nanoe X Generator		Mark 3	Mark 3	Mark 3	Mark 3	Mark 3	Mark 3	Mark 3
Moisture removal volume	L/h	1,0	1,6	1,9	2,4	4,4	2,4	4,4
Input power heating (Max)	kW	1,50	2,10	2,35	2,85	3,83	2,85	3,83
Outdoor dimension (Depth)	mm	320	320	320	370	370	370	370
COP (Max) (1)	W/W	5,45	5,45	5,45	5,56	5,34	5,56	5,34
COP (Min) (1)	W/W	3,33	3,10	3,40	3,16	3,00	3,16	3,00
Heating capacity (Max)	kW	5,0	6,5	8,0	9,0	11,5	9,0	11,5
Heating capacity (Min)	kW	1,2	1,2	1,2	2,0	3,1	2,0	3,1
Input power cooling (Max)	kW	0,96	1,85	2,35	3,35	3,40	3,35	3,40
Input power cooling (Min)	kW	0,22	0,22	0,22	0,38	0,58	0,38	0,58
EER (Max) (1)	W/W	5,45	5,45	5,45	5,79	5,34	5,79	5,34
EER (Min) (1)	W/W	4,17	3,03	3,02	2,69	3,09	2,69	3,09
Cooling capacity (Max)	kW	4,0	5,6	7,1	9,0	10,5	9,0	10,5
Current in heating (1p 220V / 3p 380)	A	4,60	6,60	7,90	9,85	12,10	3,30	4,05
Indoor sound pressure (Lo) (5)	dB(A)	30	31	40	40	41	40	41
Indoor sound pressure (Med) (5)	dB(A)	36	36	44	44	45	44	45
Indoor sound pressure (Hi) (5)	dB(A)	41	41	47	47	49	47	49
Indoor air flow (Lo)	m³/min	7,0	12,0	16,5	16,5	17,5	16,5	17,5
Indoor air flow (Med)	m³/min	9,5	15,5	19,0	19,0	20,0	19,0	20,0
Indoor air flow (Hi)	m³/min	11,5	17,0	21,0	21,0	22,5	21,0	22,5
Indoor sound power (Lo)	dB(A)	46	47	56	56	57	56	57
Indoor sound power (Med)	dB(A)	52	52	60	60	61	60	61
Current in heating (1p 240V / 3p 415)	A	4,20	6,05	7,25	9,05	11,10	3,00	3,70
Current in heating (1p 230V / 3p 400)	A	4,40	6,30	7,55	9,40	11,50	3,15	3,85
Cooling capacity (Min)	kW	1,2	1,2	1,2	2,2	3,1	2,2	3,1
Current in cooling (1p 240V / 3p 415)	A	3,60	5,30	7,00	8,75	12,60	3,00	4,20
Current in cooling (1p 230V / 3p 400)	A	3,75	5,55	7,30	9,15	13,20	3,05	4,45
Current in cooling (1p 220V / 3p 380)	A	3,90	5,80	7,65	9,55	13,80	3,20	4,65
Remote controller		CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Outdoor sound power (Heat -Hi)	dB(A)	64	67	69	67	69	67	69
Outdoor sound power (Cool -Hi)	dB(A)	62	64	65	65	69	65	69
Outdoor sound pressure (Heat -Hi)	dB(A)	44	48	50	50	52	50	52
Outdoor sound pressure (Cool -Hi)	dB(A)	43	46	47	48	52	48	52
Elevation difference (in/out) (8)	m	15 / 30	15 / 30	15 / 30	15 / 30	15 / 30	15 / 30	15 / 30
Indoor dimension (Height)	mm	290	295	295	295	295	295	295
Pdesign at -10°C	kW	3,1	4,5	4,6	5,2	8,0	5,2	8,0
SCOP (2)		4,7 A++	4,6 A++	4,7 A++	4,6 A++	4,1 A+	4,6 A++	4,1 A+
Annual energy consumption heating (3)	kWh/a	924	1.369	1.370	1.583	2.731	1.583	2.731
Annual energy consumption cooling (3)	kWh/a	160	219	301	377	504	377	504
Input power cooling (Nominal)	kW	0,79	1,22	1,63	1,89	2,79	1,89	2,79
Pdesign (cooling)	kW	3,5	5,0	6,1	7,1	9,5	7,1	9,5
SEER (2)		7,7 A++	8,0 A++	7,1 A++	6,6 A++	6,6 A++	6,6 A++	6,6 A++
Outdoor net weight	kg	42	42	43	66	84	66	82
Outdoor dimension (Height)	mm	695	695	695	996	996	996	996
Indoor net weight	kg	9	14	14	14	14	14	14
Input power heating (Nominal)	kW	0,94	1,39	1,70	1,95	2,44	1,95	2,44
Pipe length range	m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 60	5 ~ 100	5 ~ 60	5 ~ 100
Indoor dimension (Depth)	mm	214	249	249	249	249	249	249
Operating range (Heat - Max)	°C	+24	+24	+24	+24	+24	+24	+24
Operating range (Heat - Min)	°C	-20	-20	-20	-20	-20	-20	-20
Operating range (Cool - Max)	°C	+46	+46	+46	+52	+52	+52	+52
Outdoor unit		U- 36PZH3E5	U- 50PZH3E5	U- 60PZH3E5	U- 71PZH4E5	U- 100PZH4E5	U- 71PZH4E8	U- 100PZH4E8

PACi NX Series Elite wall-mounted Inverter+ - R32

PACi NX Series Elite wall-mounted - PK4 · R32		SINGLE PHASE					THREE PHASE	
		3.6 kW	5.0 kW	6.0 kW	7.1 kW	10.0 kW	7.1 kW	10.0 kW
Indoor unit		S-2545PK4E	S-5010PK4E	S-5010PK4E	S-5010PK4E	S-5010PK4E	S-5010PK4E	S-5010PK4E
Kit		KIT-36PK4ZH5	KIT-50PK4ZH5	KIT-60PK4ZH5	KIT-71PK4ZH45	KIT-100PK4ZH45	KIT-71PK4ZH48	KIT-100PK4ZH48
Additional gas amount	g/m	1,13 / 0,76	1,13 / 0,76	1,15 / 0,78	1,95 / 1,32	2,70 / 1,82	1,95 / 1,32	2,70 / 1,82
Pipe length for additional gas	m	30	30	30	30	30	30	30
Pipe diameter (Gas)	Inch (mm)	1/2 (12,70)	1/2 (12,70) (7)	1/2 (12,70) (7)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe diameter (Liquid)	Inch (mm)	1/4 (6,35)	1/4 (6,35) (6)	1/4 (6,35) (6)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
Indoor dimension (Width)	mm	765	1.060	1.060	1.060	1.060	1.060	1.060
Refrigerant (R32) / CO2 Eq.	kg / T	15	15	15	30	40	30	40
Indoor sound power (Hi)	dB(A)	57	57	63	63	65	63	65
EER (Nominal) (1)	W/W	4,43	4,10	3,74	3,76	3,41	3,76	3,41
COP (Nominal) (1)	W/W	4,26	4,03	4,12	4,00	3,89	4,00	3,89
Outdoor power source	V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	380 - 400 - 415	380 - 400 - 415
Heating capacity (Nominal)	kW	4,0	5,6	7,0	7,8	9,5	7,8	9,5
Cooling capacity (Nominal)	kW	3,5	5,0	6,1	7,1	9,5	7,1	9,5
Operating range (Cool - Min)	°C	-15	-15	-15	-15	-20 (9)	-15	-20 (9)

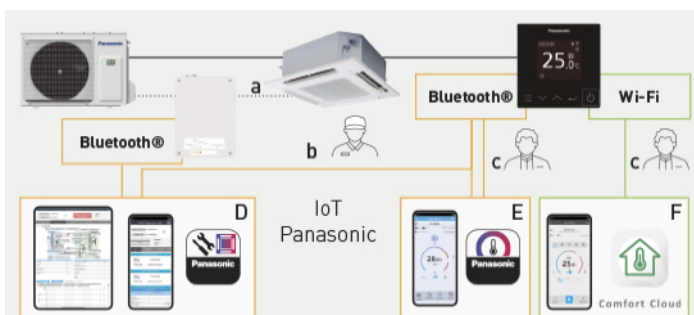
Smart & intuitive controls for PACi NX Series



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.

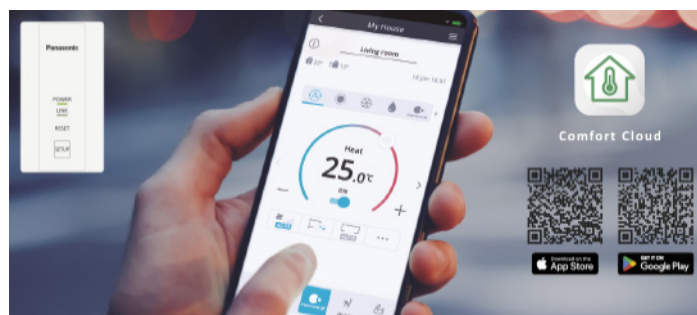
1. **Intuitive control** with stylish design
2. **Control comfort** with your smartphone
3. **Easy maintenance** with service support app



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

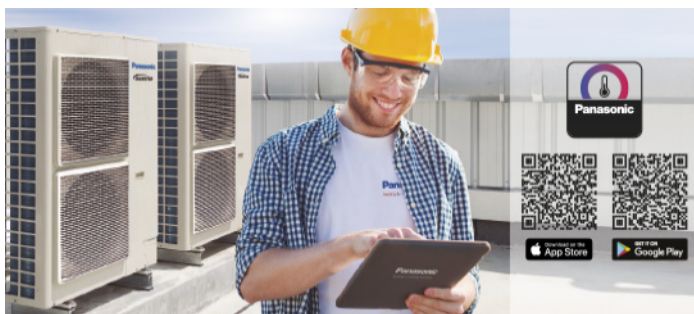


Commercial Wi-Fi Adaptor for Panasonic Comfort Cloud App

- 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.

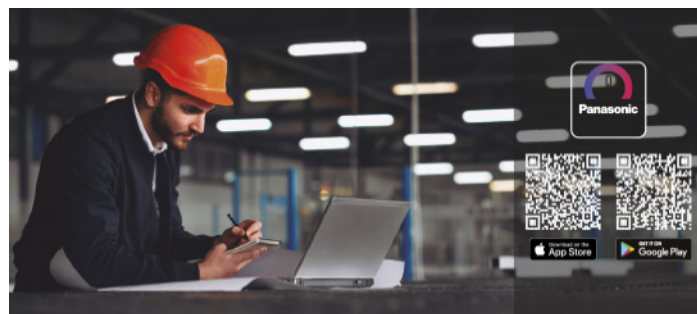


Panasonic H&C Diagnosis App

- 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

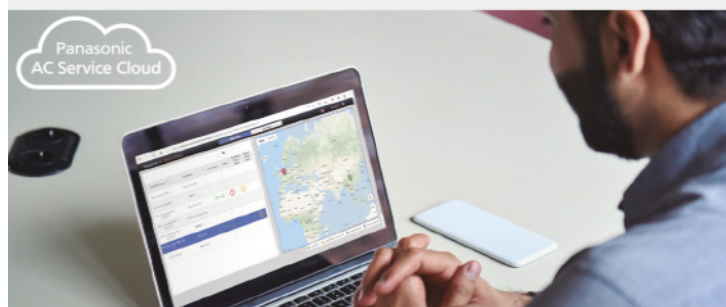
- For end user, service and installer · Connection via Bluetooth®

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

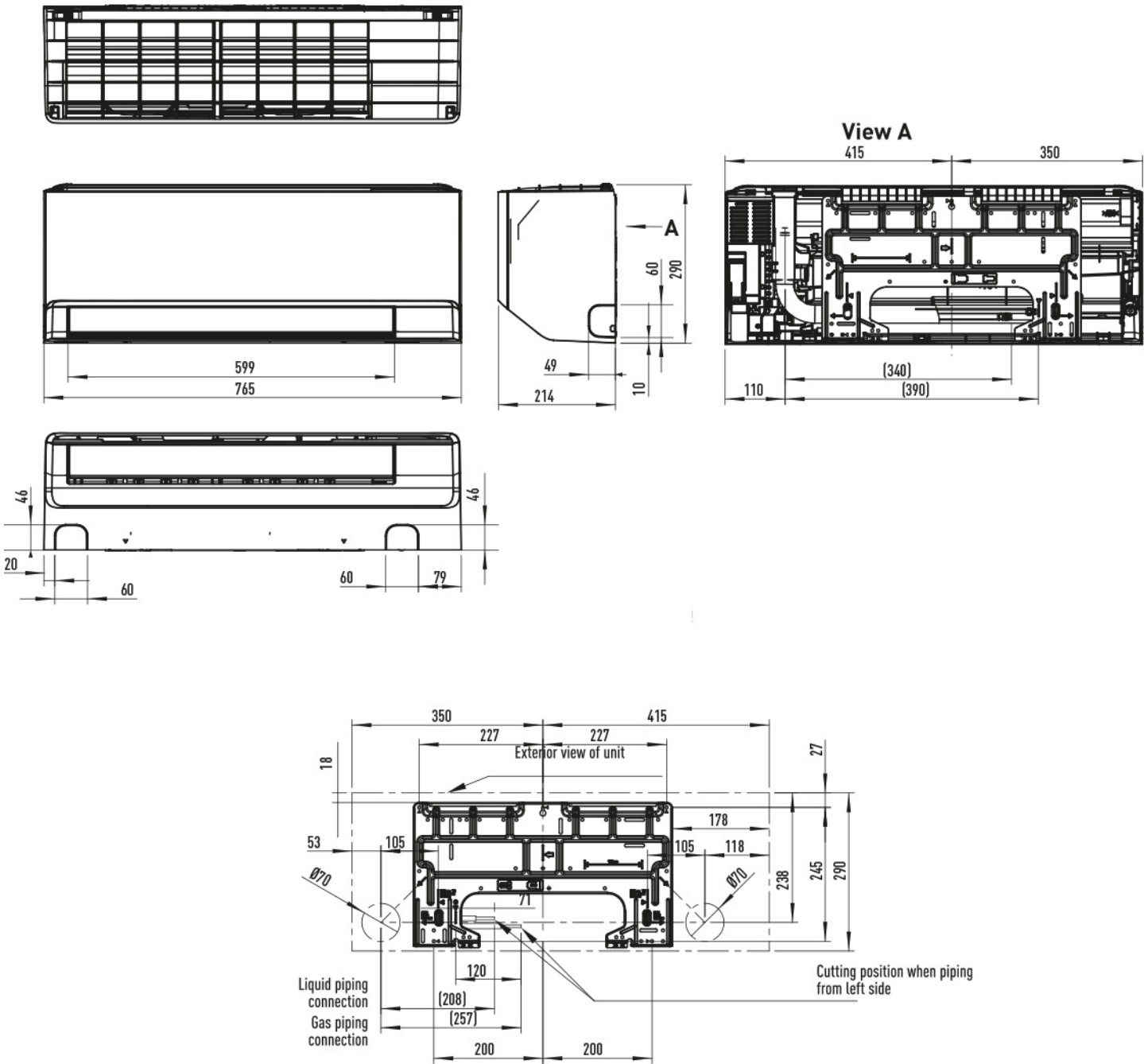
1. CZ-RTC6W: CONEX wired remote controller (non-wireless), white
1. CZ-RTC6WBL: CONEX wired remote controller with Bluetooth®, white
1. CZ-RTC6WBLW2: CONEX wired remote controller with Wi-Fi and Bluetooth®, white
2. CZ-RTC6: CONEX wired remote controller (non-wireless), black.
2. CZ-RTC6BL: CONEX wired remote controller with Bluetooth®, black.
2. CZ-RTC6BLW2: CONEX wired remote controller with Wi-Fi and Bluetooth®, black.
3. CZ-RTC5B: Wired remote controller with Econavi function.
4. CZ-CAPWFC2: 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.



7. CZ-RWS3: Infrared remote controller.
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 400 x 900 x 400 mm.

Dimensions

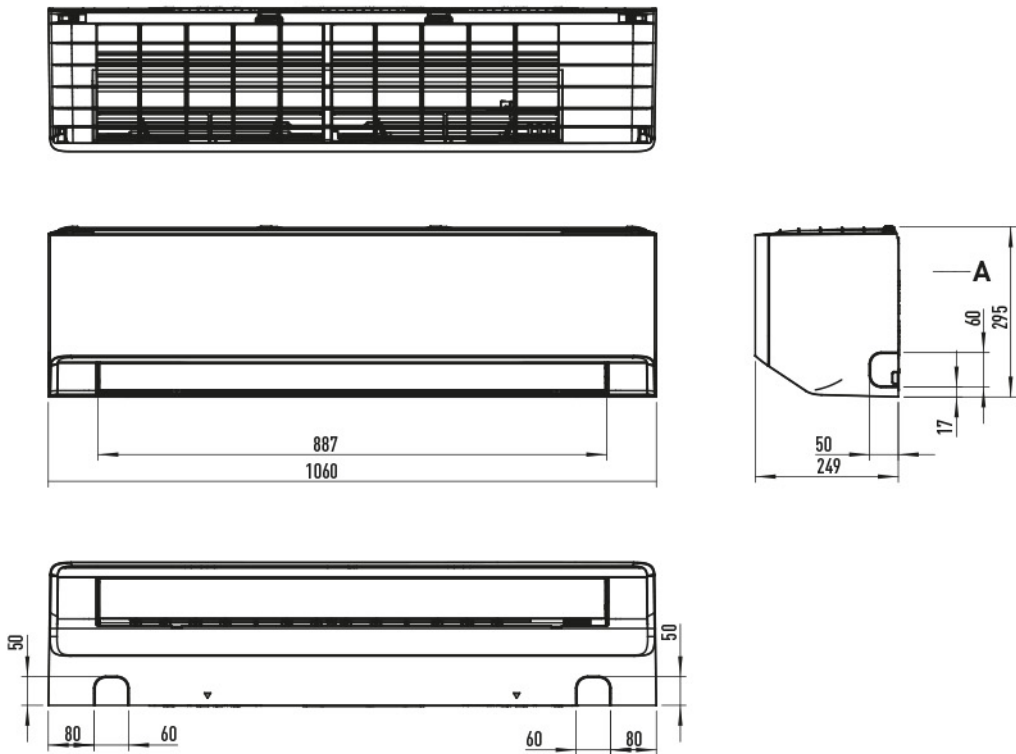
PACi NX Series wall-mounted S-2545PK4E.



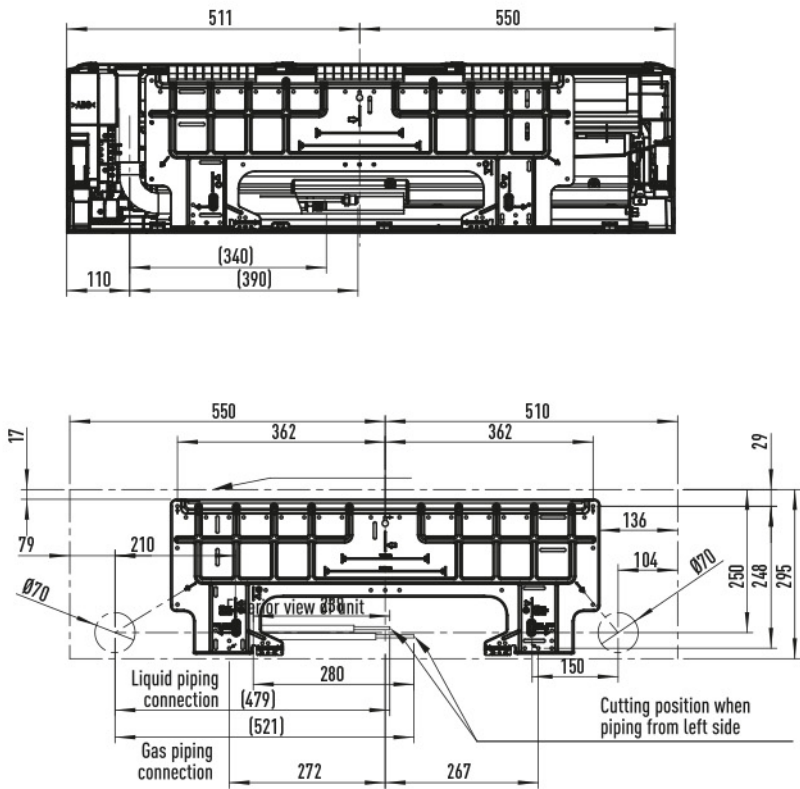
Unit: mm

Dimensions

PACi NX Series wall-mounted S-5010PK4E.



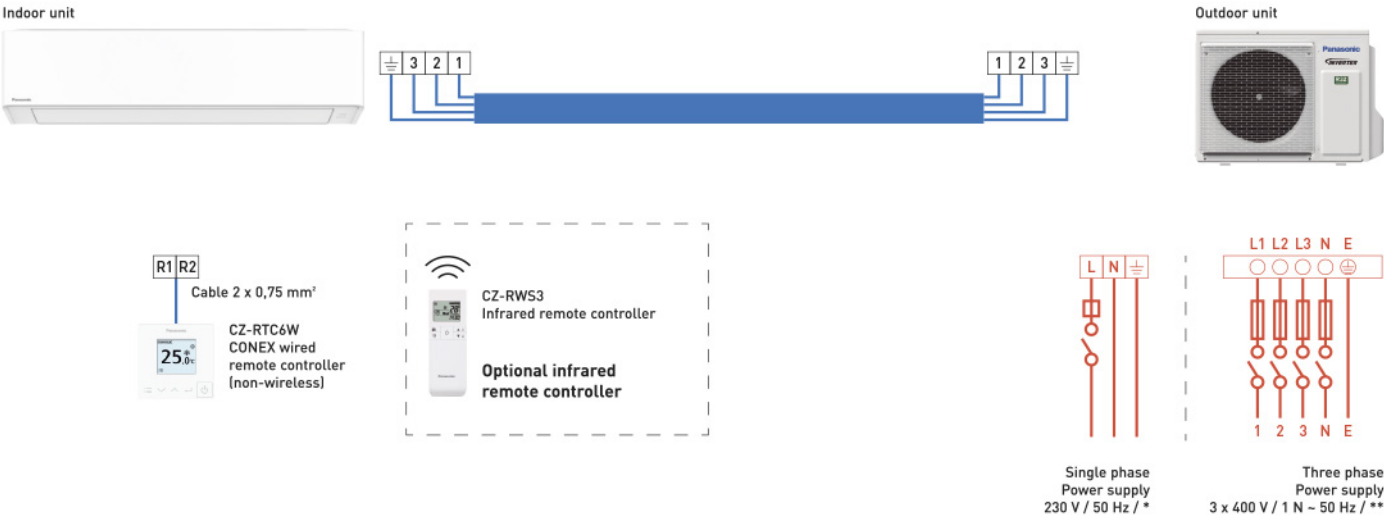
View A



Unit: mm

Wiring diagrams

PACi NX wall-mounted kits 1x1



Single phase				
Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker*
S-2545PK4E	4 x 1,5 mm²	U-36PZH3E5	220/230/240V	20 A
S-5010PK4E	4 x 1,5 mm²	U-50PZH3E5		20 A
S-5010PK4E	4 x 1,5 mm²	U-60PZH3E5		25 A
S-5010PK4E	4 x 2,5 mm²	U-71PZH4E5		25 A
S-5010PK4E	4 x 2,5 mm²	U-100PZH4E5		35 A

Three phase				
Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker**
S-5010PK4E	4 x 2,5 mm²	U-71PZH4E8	380/400/415V	16 A
S-5010PK4E	4 x 2,5 mm²	U-100PZH4E8		16 A