



PACi NX wall-mounted PK4 Standard

1. Great balance of system cost and performance

- Energy class A++ both in heating and cooling*
- Five-direction automatic air flow adjustment for cooling and heating

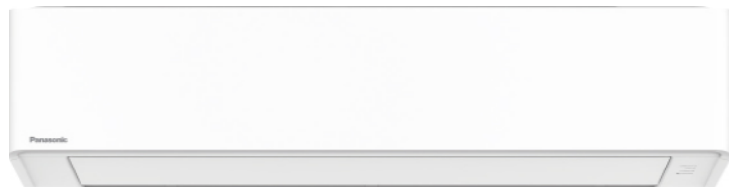
*6,0kW

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

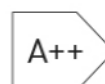
- nanoe™ X (Generator Mark 3: 48 trillion hydroxyl radicals/sec) as standard for better indoor air quality



PACi



nanoeX



PACi NX Series

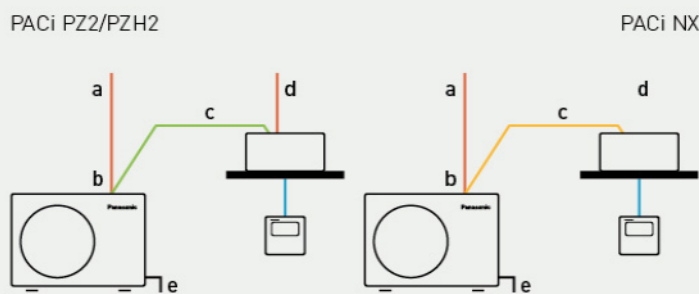


PACi NX Series for absolute ease of refurbishment. The next generation is here

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 Standard – For economy and value

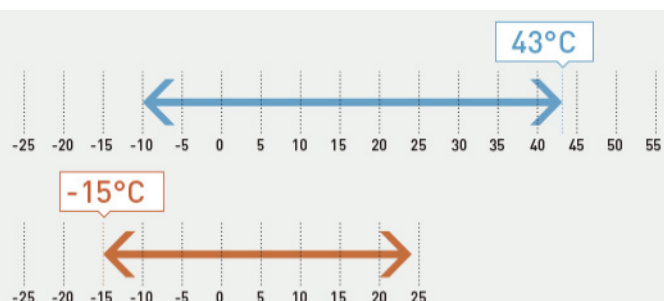
The Standard series are the perfect solutions for projects which demand quality on a limited budget.

- 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⁾.

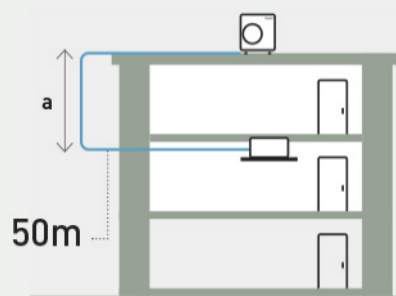
1) Energy label scale from A+++ to D for models below 12,0kW (EU regulation 626/2011). 2) $\eta_{s,c}$ / $\eta_{s,h}$ values for models above 12,0kW (EN 14825).

a		
2,5kW	A++	A+
3,6kW	A++	A+
5,0kW	A++	A+
6,0kW	A++	A++
7,1kW	A+	A+
10,0kW	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 50m*

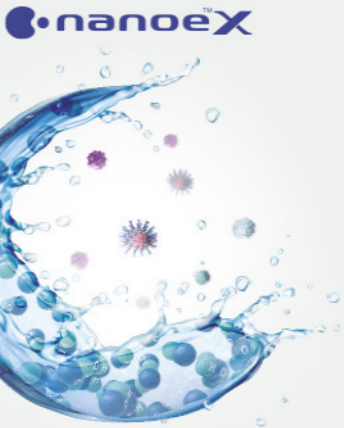
Long piping length gives great design flexibility to adapt various building types and sizes.

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



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

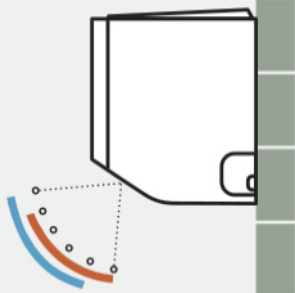


2



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.

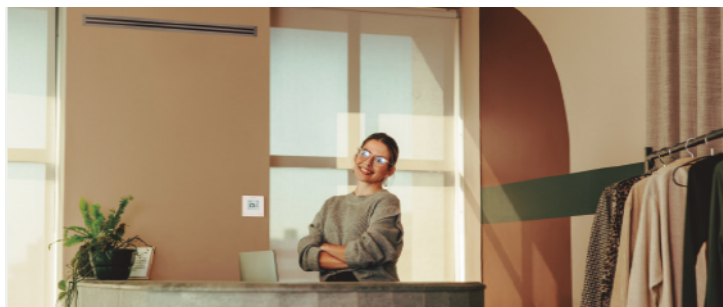
PACi NX Series Standard wall-mounted Inverter+ - R32

PACi NX Series Standard wall-mounted - PK4 · R32		SINGLE PHASE						THREE PHASE
		2.5 kW	3.6 kW	5.0 kW	6.0 kW	7.1 kW	10.0 kW	10.0 kW
Input power heating (Min)	kW	0,23	0,23	0,20	0,24	0,33	0,56	0,56
Outdoor dimension (Width)	mm	824	824	824	875	875	980	980
Outdoor air flow (Heat)	m³/min	34,0	34,0	31,9	41,5	45,9	73,0	73,0
Outdoor air flow (Cool)	m³/min	33,6	33,6	32,7	42,6	44,7	73,0	73,0
nanoe X Generator		Mark 3	Mark 3	Mark 3	Mark 3	Mark 3	Mark 3	Mark 3
Moisture removal volume	L/h	0,4	1,0	1,6	1,9	2,2	4,0	4,0
Input power heating (Max)	kW	1,30	1,30	2,02	2,20	2,40	2,95	2,95
Outdoor dimension (Depth)	mm	299	299	299	320	320	370	370
COP (Max) (1)	W/W	5,65	5,65	7,50	7,50	6,36	5,36	5,36
COP (Min) (1)	W/W	3,54	3,54	3,17	3,18	3,38	3,56	3,56
Heating capacity (Max)	kW	4,6	4,6	6,4	7,0	8,1	10,5	10,5
Heating capacity (Min)	kW	1,3	1,3	1,5	1,8	2,1	3,0	3,0
Input power cooling (Max)	kW	1,06	1,07	1,85	2,36	2,78	3,10	3,10
Input power cooling (Min)	kW	0,26	0,26	0,24	0,29	0,52	0,56	0,56
EER (Max) (1)	W/W	5,00	5,00	6,25	6,90	5,00	5,36	5,36
EER (Min) (1)	W/W	3,68	3,74	3,03	3,01	2,77	3,13	3,13
Cooling capacity (Max)	kW	3,9	4,0	5,6	7,1	7,7	9,7	9,7
Current in heating (1p 220V / 3p 380)	A	2,90	4,10	5,60	6,65	8,00	11,8	3,95
Indoor sound pressure (Lo) (5)	dB(A)	29	30	31	40	40	41	41
Indoor sound pressure (Med) (5)	dB(A)	34	36	36	44	44	45	45
Indoor sound pressure (Hi) (5)	dB(A)	39	41	41	47	47	49	49
Indoor air flow (Lo)	m³/min	7,0	7,0	12,0	16,5	16,5	17,5	17,5
Indoor air flow (Med)	m³/min	9,0	9,5	15,5	19,0	19,0	20,0	20,0
Indoor air flow (Hi)	m³/min	10,5	11,5	17,0	21,0	21,0	22,5	22,5
Indoor sound power (Lo)	dB(A)	45	46	47	56	56	57	57
Indoor sound power (Med)	dB(A)	50	52	52	60	60	61	61
Current in heating (1p 240V / 3p 415)	A	2,65	3,80	5,10	6,10	7,35	10,8	3,60
Current in heating (1p 230V / 3p 400)	A	2,80	3,95	5,35	6,35	7,70	11,3	3,75
Cooling capacity (Min)	kW	1,3	1,3	1,5	2,0	2,6	3,0	3,0
Current in cooling (1p 240V / 3p 415)	A	2,45	3,85	6,25	7,25	8,95	12,8	4,25
Current in cooling (1p 230V / 3p 400)	A	2,60	4,00	6,50	7,60	9,30	13,3	4,45
Current in cooling (1p 220V / 3p 380)	A	2,70	4,15	6,80	7,95	9,75	13,9	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)	66	66	64	65	68	70	70
Outdoor sound power (Cool -Hi)	dB(A)	64	64	64	64	66	70	70
Outdoor sound pressure (Heat -Hi)	dB(A)	47	47	46	48	49	52	52
Outdoor sound pressure (Cool -Hi)	dB(A)	46	46	46	47	48	52	52
Elevation difference (in/out) (8)	m	15 / 15	15 / 15	15 / 15	15 / 30	20 / 30	15 / 30	15 / 30
Indoor dimension (Height)	mm	290	290	295	295	295	295	295
Pdesign at -10°C	kW	2,5	2,6	4,0	4,6	5,2	8,8	8,8
SCOP (2)		4,2 A+	4,4 A+	4,4 A+	4,6 A++	4,4 A+	4,0 A+	4,0 A+
Annual energy consumption heating (3)	kWh/a	833	827	1.271	1.400	1.654	3.080	3.080
Annual energy consumption cooling (3)	kWh/a	133	181	243	305	402	508	508
Input power cooling (Nominal)	kW	0,57	0,90	1,47	1,71	2,10	2,79	2,79
Pdesign (cooling)	kW	2,5	3,5	5,0	6,1	6,9	9,0	9,0
SEER (2)		6,6 A++	6,8 A++	7,2 A++	7,0 A++	6,0 A+	6,2 A++	6,2 A++
Outdoor net weight	kg	32	32	35	42	50	83	83
Outdoor dimension (Height)	mm	619	619	619	695	695	996	996
Indoor net weight	kg	9	9	14	14	14	14	14
Input power heating (Nominal)	kW	0,62	0,88	1,19	1,43	1,73	2,36	2,36
Pipe length range	m	3 ~ 15	3 ~ 15	3 ~ 20	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50
Indoor dimension (Depth)	mm	214	214	249	249	249	249	249
Operating range (Heat - Max)	°C	+24	+24	+24	+24	+24	+24	+24
Operating range (Heat - Min)	°C	-15	-15	-15	-15	-15	-15	-15
Operating range (Cool - Max)	°C	+43	+43	+43	+43	+43	+43	+43
Outdoor unit		U-25PZ3E5	U-36PZ3E5	U-50PZ3E5	U-60PZ3E5A	U-71PZ3E5A	U-100PZ3E5	U-100PZ3E8

PACi NX Series Standard wall-mounted Inverter+ - R32

PACi NX Series Standard wall-mounted - PK4 · R32		SINGLE PHASE						THREE PHASE
		2.5 kW	3.6 kW	5.0 kW	6.0 kW	7.1 kW	10.0 kW	10.0 kW
Indoor unit		S-2545PK4E	S-2545PK4E	S-5010PK4E	S-5010PK4E	S-5010PK4E	S-5010PK4E	S-5010PK4E
Kit		KIT-25PK4Z5	KIT-36PK4Z5	KIT-50PK4Z5	KIT-60PK4Z5	KIT-71PK4Z5	KIT-100PK4Z5	KIT-100PK4Z8
Additional gas amount	g/m	0,87 / 0,59	0,87 / 0,59	1,14 / 0,77	1,15 / 0,78	1,32 / 0,89	2,4 / 1,62	2,4 / 1,62
Pipe length for additional gas	m	7,5	7,5	7,5	30	30	30	30
Pipe diameter (Gas)	Inch (mm)	1/2 (12,70)	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)
Pipe diameter (Liquid)	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35) (6)	1/4 (6,35) (6)	1/4 (6,35) (6)	3/8 (9,52)	3/8 (9,52)
Indoor dimension (Width)	mm	765	765	1.060	1.060	1.060	1.060	1.060
Refrigerant (R32) / CO2 Eq.	kg / T	10	10	15	15	17	45	45
Indoor sound power (Hi)	dB(A)	55	57	57	63	63	65	65
EER (Nominal) (1)	W/W	4,39	3,89	3,40	3,57	3,29	3,23	3,23
COP (Nominal) (1)	W/W	4,52	4,09	4,20	4,27	4,10	3,81	3,81
Outdoor power source	V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	380 - 400 - 415
Heating capacity (Nominal)	kW	2,8	3,6	5,0	6,1	7,1	9,0	9,0
Cooling capacity (Nominal)	kW	2,5	3,5	5,0	6,1	6,9	9,0	9,0
Operating range (Cool - Min)	°C	-10	-10	-10	-10	-10	-10	-10

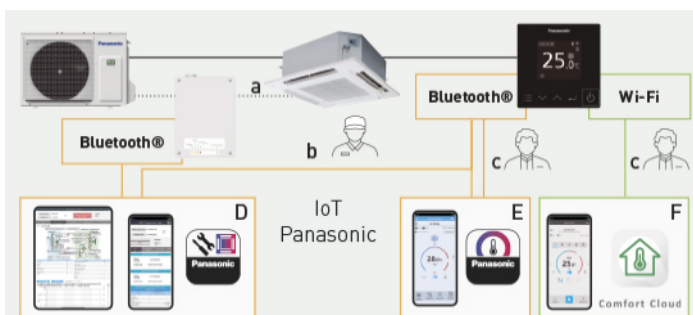
Smart & intuitive controls for PACi NX Series



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.

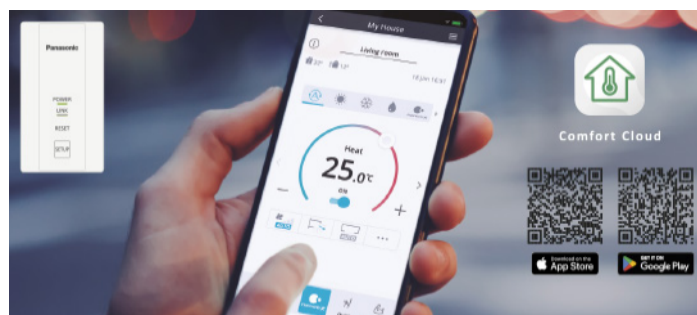
1. **Intuitive control** with stylish design
2. **Control comfort** with your smartphone
3. **Easy maintenance** with service support app



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

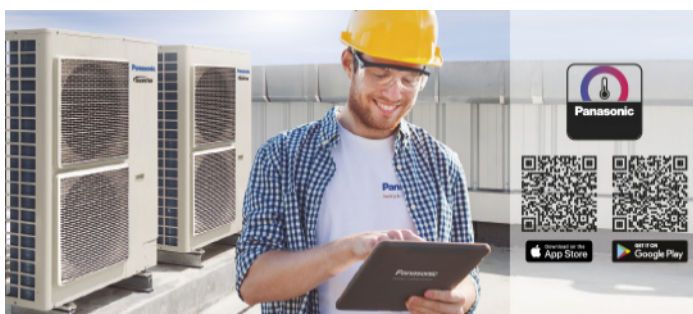


Commercial Wi-Fi Adaptor for Panasonic Comfort Cloud App

- 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

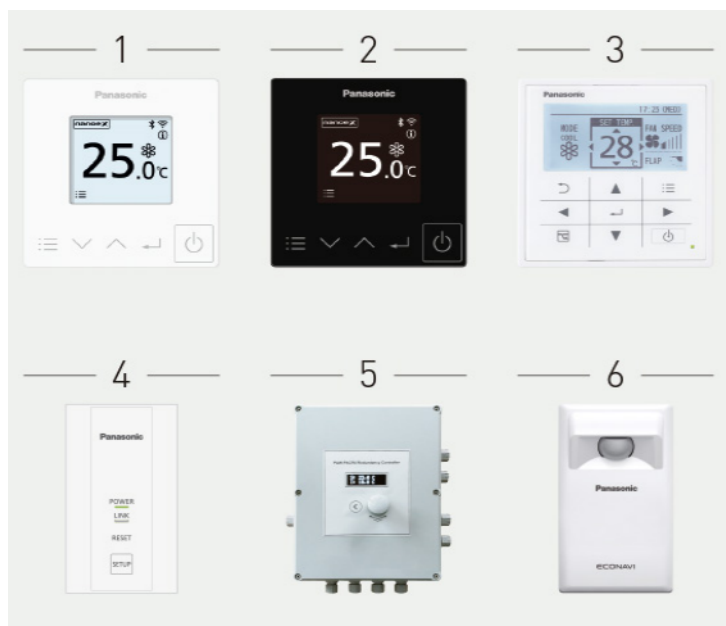
Panasonic AC Smart and Service Cloud is the modern and scalable energy management system for your heating and cooling solutions. One screen with endless possibilities.

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

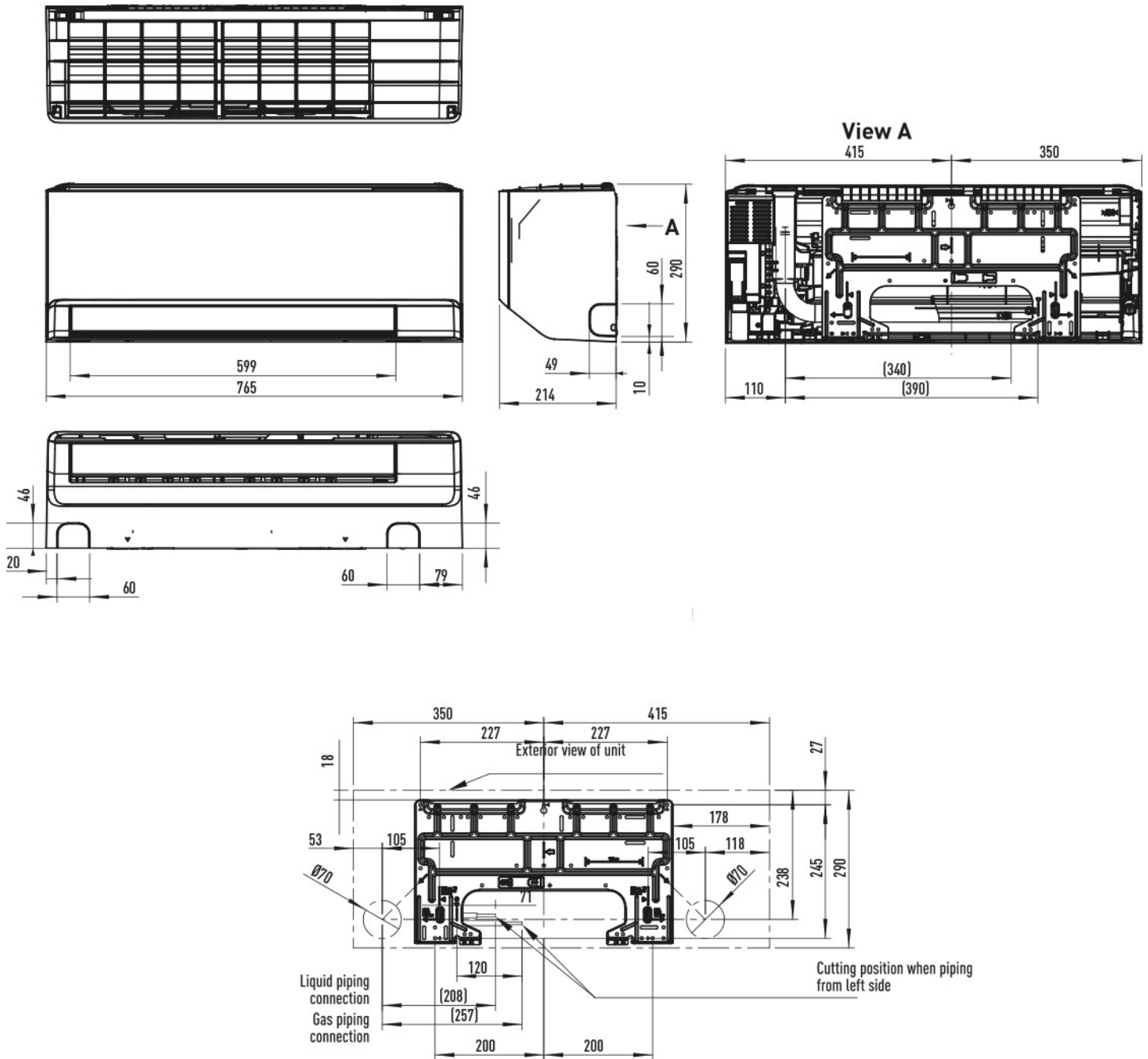
1. CZ-RTC6W: CONEX wired remote controller (non-wireless), white
1. CZ-RTC6WBL: CONEX wired remote controller with Bluetooth®, white
1. CZ-RTC6WBLW2: CONEX wired remote controller with Wi-Fi and Bluetooth®, white
2. CZ-RTC6: CONEX wired remote controller (non-wireless), black.
2. CZ-RTC6BL: CONEX wired 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

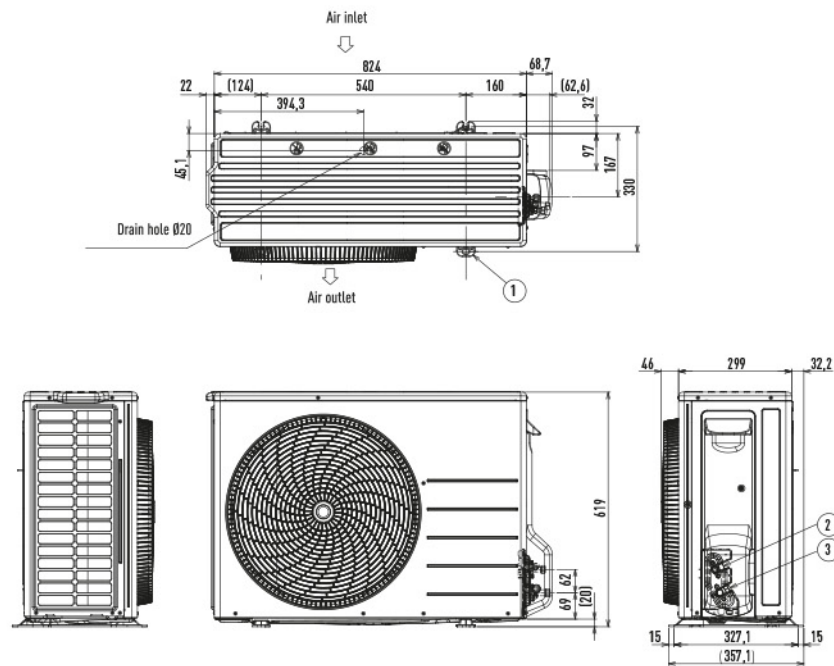
PACi NX Series wall-mounted S-2545PK4E.



Unit: mm

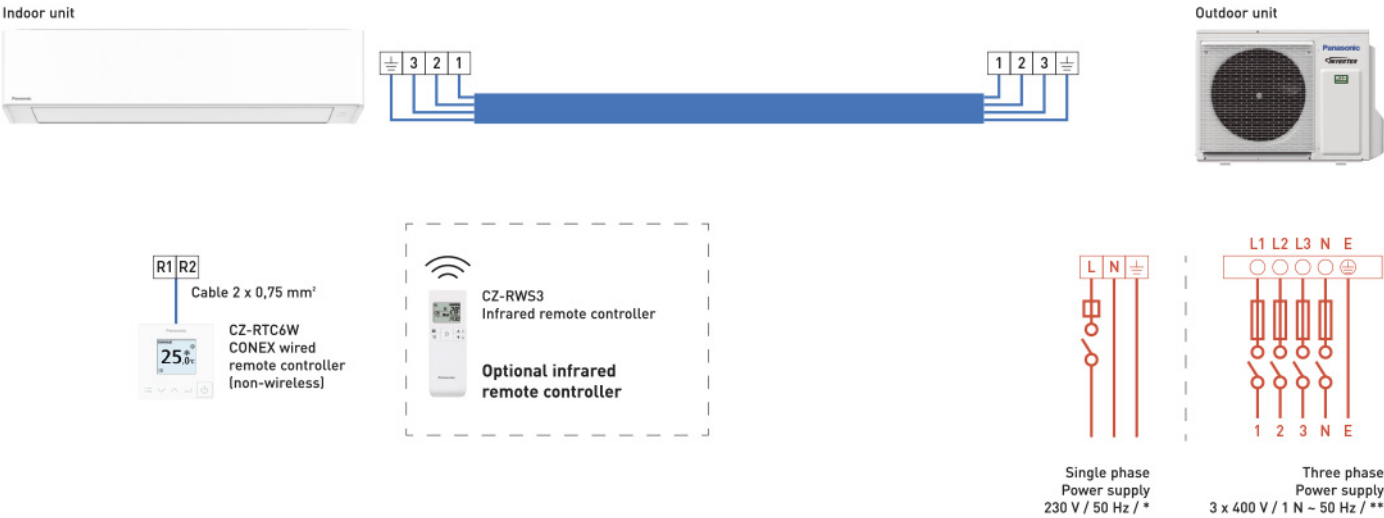
Dimensions

PACi NX Series Standard outdoor units from 2,5 to 5,0 kW.



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-25PZ3E5	220/230/240V	16 A
S-2545PK4E	4 x 1,5 mm²	U-36PZ3E5		16 A
S-5010PK4E	4 x 1,5 mm²	U-50PZ3E5		16 A
S-5010PK4E	4 x 1,5 mm²	U-60PZ3E5A		20 A
S-5010PK4E	4 x 1,5 mm²	U-71PZ3E5A		20 A
S-5010PK4E	4 x 2,5 mm²	U-100PZ3E5		35 A

Three phase				
Indoor unit	Connection indoor / outdoor	Outdoor unit	Power supply	Circuit breaker**
S-5010PK4E	4 x 2,5 mm²	U-100PZ3E8	380/400/415V	16 A