



Free Multi System Z

1. Flexibility

- Up to 5 indoor units with a single outdoor unit
- Up to 5 rooms with individual control
- Compact units and long connection distance

2. Better air quality with nanoe™ X technology

- Indoor units with nanoe™ X technology with the benefits of hydroxyl radicals*

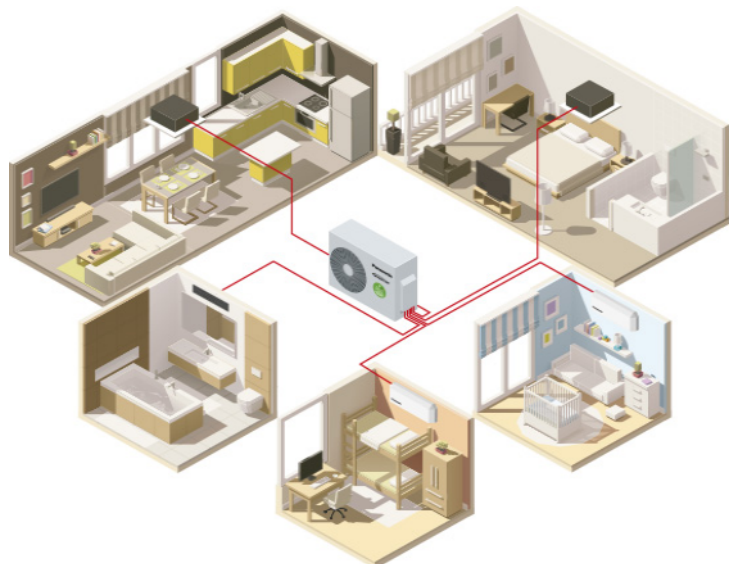
3. High energy efficiency

- Energy efficiency class A+++ SEER

4. Smart control*

- Built-in Wi-Fi for internet control via the Panasonic Comfort Cloud app
- Compatible with Google Assistant and Amazon Alexa

* Not applicable to hide-away type



Technology for high comfort

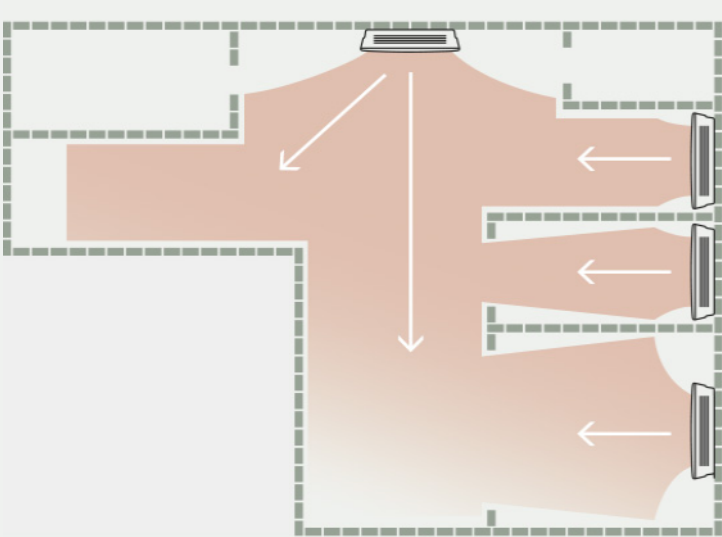


Free Multi System Z, a wide range of possibilities

The multi split solution offers high flexibility, as 2 to 5 indoor units can be connected to a single outdoor unit. The wide range of compatible indoor units includes Etherea and TZ wall-mounted units, floor console, 4 way 60x60 cassette and low static pressure hide-away.

Why choose a multi-split system

- One compact outdoor unit for all indoor units
- Increased comfort in each room with individual indoor units for heating or cooling
- Much more powerful than a single split
- Improved efficiency with units operating at full capacity
- Flexibility to connect various indoor unit types, including wall-mounted and console units, to suit the needs of your home.



Full flexibility up to 9,0kW and up to 5 ports

Panasonic offers you the solution that perfectly matches your project in terms of total capacity, single indoor capacity and indoor type choice. Size, performance, quiet operation and other exceptional features can be chosen amongst Panasonic's free multi range.

a: Rooms

2 (a)			3 (a)	
3,2~6, kW	3,2~6,0kW	3,2~7,7kW	4,5~9,5kW	4,5~11,2kW
				
CU-2Z35CBE	CU-2Z41CBE	CU-2Z50CBE	CU-3Z52CBE	CU-3Z68CBE

4 (a)		5 (a)
4,5~11,5kW	4,5~14,7kW	4,5~18,3kW
		
CU-4Z68CBE	CU-4Z80CBE	CU-5Z90CBE

High flexibility, air quality and connectivity



Wall-mounted Etherea

Sleek and stylish design

- 1,6 to 7,1kW
- Available in 3 colors
- Built-in new nanoe X Generator Mark 3
- Built-in Wi-Fi



Wall-mounted TZ super-compact

For the smallest spaces in your home

- 1,6 to 7,1kW
- Built-in new nanoe X Generator Mark 2
- Built-in Wi-Fi



Floor console

Efficient comfort and clean air all year round

- 2,0 to 5,0kW
- Built-in nanoe X Generator Mark 3
- Built-in Wi-Fi



4 Way 60x60 cassette

Compact and stylish design

- 2,0 to 6,0kW
- Built-in nanoe X Generator Mark 2
- Wide range of CONEX remote controllers
- Built-in drain pump



Low static pressure hide-away

Compact units with maintained static pressure

- 2,0 to 6,0kW
- Built-in drain pump



Better indoor air quality with nanoe™ X Technology



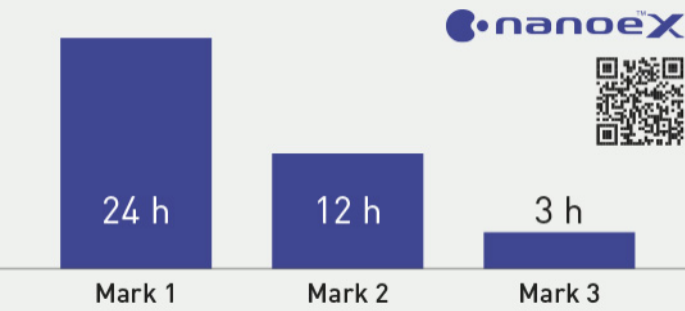
Bringing nature's balance indoors
nanoe™ X, technology with the benefits of hydroxyl radicals
 Abundant in nature, hydroxyl radicals have the capacity to inhibit pollutants. nanoe™ X, technology can bring these incredible benefits indoors so that hard surfaces, soft furnishings, and the indoor environment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

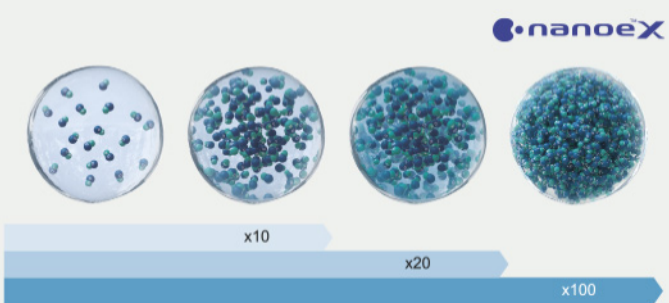



nanoe™ X: improving protection 24/7
 Give the air conditioning the strength to increase the protection at home with nanoe™ X technology and convenient control via the Panasonic Comfort Cloud App.
 nanoe™ X works together with heating or cooling function when you are at home and can work independently when you are away.



Mark	Time required to inhibit 99% of cedar pollen
Mark 1	24 h
Mark 2	12 h
Mark 3	3 h

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.

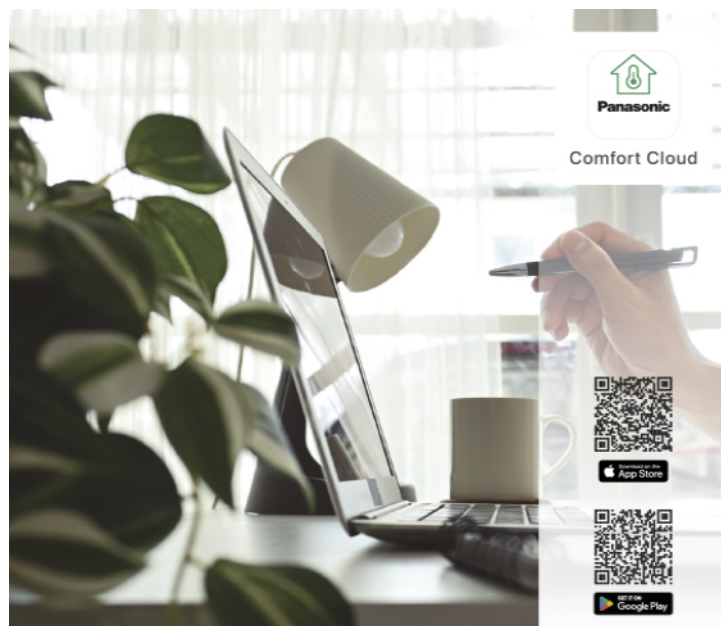


The evolution of nanoe™
 The decisive factor for the cleaning effects is hydroxyl radical amount, which contained in nanoe™ X particles.

- 1. nanoe™ (original). 480 billion**
- 2. nanoe X Generator Mark 1. 4,8 trillion**
- 3. nanoe X Generator Mark 2. 9,6 trillion**
- 4. nanoe X Generator Mark 3. 48 trillion**



Smart & intuitive controls



Panasonic Comfort Cloud App

Whether you are at home, at the office or running a business, Panasonic Comfort Cloud App put total control of your indoor air quality at your fingertips.

Remote control: Control and monitor your air conditioners anytime, anywhere

Monitor energy consumption: Check the energy consumption of each individual unit across different time intervals by comparing the energy usage patterns to maximise energy savings

nanoe™ X: improving protection 24/7*: Switch on nanoe™ X mode with cooling OFF / ON and see the nanoe™ X coverage in your space through a simulation.

* Only for units compatible with nanoe™ X function.

Voice Control. Words do more than actions

Boundless control and hands-free help to access all the features of your air-to-air heat pump.

Maximising your comfort is now a breeze with our connected air conditioners using the Panasonic Comfort Cloud App and voice control.

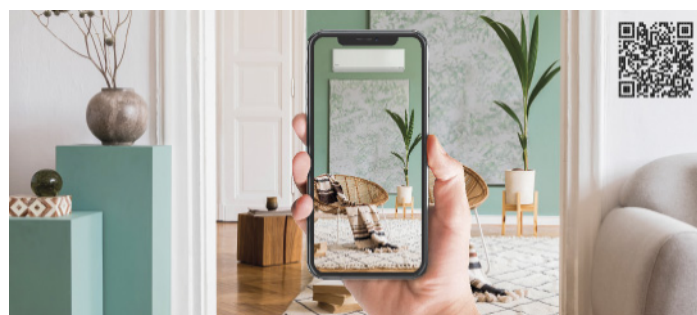
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Domestic AirCon Quick Selector

This user-friendly online tool for our domestic range allows to choose the best split or multi-split system for each project needs and get the specifications of that particular application.

Configure in a few steps your multi split system with our online tool and see the capacity of all possible combinations

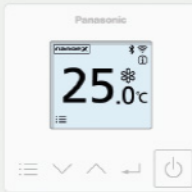
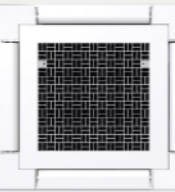


AR Heat Pump Viewer

Interested to see how a Panasonic air conditioner looks in your home?

Try the new Panasonic AR projector, utilising augmented reality!

Accessories

— 1 — 	— 2 — 	— 3 — 	Accessories CZ-RD517C: Wired remote controller for wall-mounted and floor console. CZ-RL511D: Infrared remote controller Sky Remote. 2m cable length of infrared receiver for hide-away. CZ-RTC6W: CONEX wired remote controller (non-wireless), white. CZ-RTC6WBLW: CONEX wired remote controller with Wi-Fi and Bluetooth®, white. CZ-RTC6: CONEX wired remote controller (non-wireless), black. CZ-RTC6BLW: CONEX wired remote controller with Wi-Fi and Bluetooth®, black. CZ-KPY4: Panel for 4 way 60x60 cassette - PY3.
— 4 — 	— 5 — 		
— 6 — 	— 7 — 	— 8 — 	PAW-AC-KNX-1i: KNX interface. Can be used with all models which have a CN-CNT connector (Intesis). PAW-AC-MBS-1: Modbus interface. Can be used with all models which have a CN-CNT connector (Intesis). PAW-AC-BAC-1: BACnet interface. Can be used with all models which have a CN-CNT connector (Intesis). PAW-AZAC-KNX-1: KNX interface. Can be used with all models which have a CN-CNT connector (Airzone). PAW-AZAC-MBS-1: Modbus interface. Can be used with all models which have a CN-CNT connector (Airzone). PAW-AZAC-BAC-1: BACnet interface. Can be used with all models which have a CN-CNT connector (Airzone).
— 9 — 	— 10 — 	— 11 — 	
— 12 — 	— 13 — 	— 14 — 	CZ-CAPRA1: RAC interface adapter for integration into S-Link. PAW-AC-DIO: Interface. Can be used with all models which have a CN-RMT connector. CZ-MA1PA: Reduces the connection size on the indoor unit from 1/2" to 3/8". CZ-MA2PA: Increases the connection size on the outdoor unit from 3/8" to 1/2". CZ-MA3PA: Reduces the connection size on the indoor unit from 5/8" to 1/2".
— 15 — 	— 16 — 		

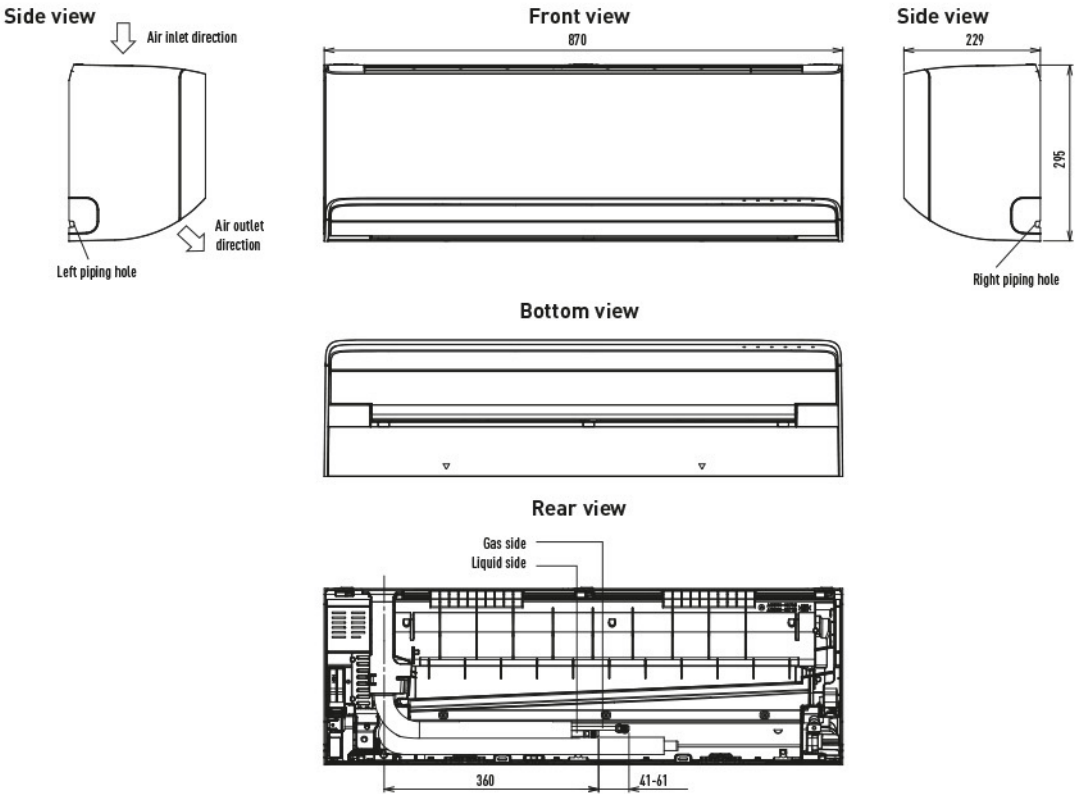
Free Multi System Z · R32

Free Multi System Z · R32		SINGLE PHASE							
		3.5 kW	4.1 kW	5.0 kW	5.2 kW	6.8 kW	6.8 kW	8.0 kW	9.0 kW
Outdoor unit		CU- 2Z35CBE	CU- 2Z41CBE	CU- 2Z50CBE	CU- 3Z52CBE	CU- 4Z68CBE	CU- 3Z68CBE	CU- 4Z80CBE	CU- 5Z90CBE
Indoor nominal capacity (Min ~ Max)	kW	3,2 ~ 6,0 kW	3,2 ~ 6,0 kW	3,2 ~ 7,7 kW	4,5 ~ 9,5 kW	4,5 ~ 11,5 kW	4,5 ~ 11,2 kW	4,5 ~ 14,7 kW	4,5 ~ 18,3 kW
Cooling capacity (Nominal)	kW	3,50	4,10	5,00	5,20	6,80	6,80	8,00	9,00
Cooling capacity (Min)	kW	1,50	1,50	1,50	1,80	1,90	1,90	3,00	2,90
Cooling capacity (Max)	kW	4,50	5,20	5,40	7,30	8,80	8,00	9,20	11,50
EER (Nominal) (1)	W/W	4,61	4,36	4,17	4,77	4,30	3,91	4,04	4,02
EER (Min) (1)	W/W	6,00	6,00	6,00	5,00	5,59	7,04	5,66	5,27
EER (Max) (1)	W/W	4,09	3,80	3,62	3,35	3,56	3,38	3,21	2,98
SEER (2)		9,10 A+++	9,10 A+++	8,70 A+++	8,70 A+++	8,50 A+++	8,20 A++	8,50 A+++	8,50 A+++
Pdesign (cooling)	kW	3,50	4,10	5,00	5,20	6,80	6,80	8,00	9,00
Input power cooling (Nominal)	kW	0,76	0,94	1,20	1,09	1,58	1,74	1,98	2,24
Input power cooling (Min)	kW	0,25	0,25	0,25	0,36	0,34	0,27	0,53	0,55
Input power cooling (Max)	kW	1,10	1,37	1,49	2,18	2,47	2,37	2,87	3,86
Annual energy consumption cooling (3)	kWh/a	135	158	201	209	280	290	329	371
Heating capacity (Nominal)	kW	4,20	4,60	5,60	6,80	8,50	8,50	9,40	10,40
Heating capacity (Min)	kW	1,10	1,10	1,10	1,60	1,70	1,70	2,48	2,48
Heating capacity (Max)	kW	5,60	7,00	7,20	8,50	10,60	10,40	10,60	14,50
Heating capacity at -7°C	kW	3,77	4,18	4,28	5,64	7,05	7,05	7,80	8,62
COP (Nominal) (1)	W/W	5,06	4,95	4,63	4,93	4,62	4,25	4,63	4,84
COP (Min) (1)	W/W	5,24	5,24	5,24	5,00	4,72	4,72	4,96	4,96
COP (Max) (1)	W/W	4,18	3,91	4,00	3,40	3,96	3,64	3,46	3,42
SCOP (2)		4,80 A++	4,80 A++	4,60 A++	4,70 A++	4,60 A++	4,60 A++	4,70 A++	4,68 A++
Pdesign at -10°C	kW	3,20	3,50	4,20	5,40	6,00	5,60	7,00	8,50
Input power heating (Nominal)	kW	0,83	0,93	1,21	1,38	1,84	2,00	2,03	2,15
Input power heating (Min)	kW	0,21	0,21	0,21	0,32	0,36	0,36	0,50	0,50
Input power heating (Max)	kW	1,34	1,79	1,80	2,50	2,68	2,86	3,06	4,24
Annual energy consumption heating (3)	kWh/a	933	1 021	1 278	1 609	1826	1704	2085	2 543
Power supply (Voltage)	V	230	230	230	230	230	230	230	230
Current cooling	A	3,60	4,30	5,40	4,80	7,00	7,70	9,50	10,70
Current heating	A	3,90	4,30	5,40	6,10	8,10	8,80	9,50	10,10
Outdoor recommended fuse	A	16	16	16	16	20	20	25	25
Recommended power cable section	mm²	2,5	2,5	2,5	2,5	2,5	2,5	4,0	4,0
Outdoor sound pressure (Cool -Hi) (4)	dB(A)	48	48	50	47	49	51	51	53
Outdoor sound pressure (Heat -Hi) (4)	dB(A)	50	50	52	48	52	53	52	54
Outdoor dimension (Height) (5)	mm	619	619	619	795	795	795	999	999
Outdoor dimension (Width) (5)	mm	824	824	824	875	875	875	940	940
Outdoor dimension (Depth) (5)	mm	299	299	299	320	320	320	340	340
Outdoor net weight	kg	37	37	37	61	64	64	80	81
Pipe diameter (Liquid)	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Pipe diameter (Gas)	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)
Pipe length range total (6)	m	6 ~ 30	6 ~ 30	6 ~ 30	6 ~ 50	6 ~ 60	6 ~ 60	6 ~ 70	6 ~ 80
Pipe length range to one unit	m	3 ~ 20	3 ~ 20	3 ~ 20	3 ~ 25	3 ~ 25	3 ~ 25	3 ~ 25	3 ~ 25
Elevation difference (in/out)	m	10	10	10	15	15	15	15	15
Pipe length for additional gas	m	20	20	20	30	30	30	45	45
Additional gas amount	g/m	15	15	15	20	20	20	20	20
Refrigerant (R32) / CO2 Eq.	kg / T	1,18 / 0,797	1,18 / 0,797	1,18 / 0,797	1,92 / 1,296	2,25 / 1,519	2,25 / 1,519	2,72 / 1,836	2,72 / 1,836
Operating range (Cool - Min)	°C	-10	-10	-10	-10	-10	-10	-10	-10
Operating range (Cool - Max)	°C	+46	+46	+46	+46	+46	+46	+46	+46
Operating range (Heat - Min)	°C	-15	-15	-15	-15	-15	-15	-15	-15
Operating range (Heat - Max)	°C	+24	+24	+24	+24	+24	+24	+24	+24

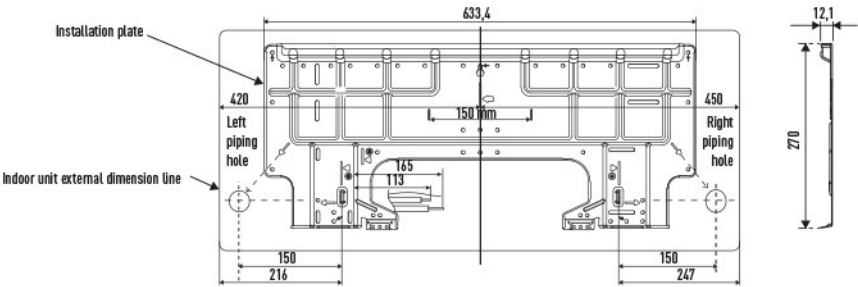
- 1) EER and COP calculation is based in accordance to EN14511.
- 2) Energy Label Scale from A+++ to D.
- 3) The annual energy consumption is calculated in accordance to EU/626/2011.
- 4) The sound pressure of the units shows the value measured of a position 1 m in front and 1 m in rear side of the main body. The sound pressure is measured in accordance with JISC9612.
- 5) Add 70 or 95 mm for piping port.
- 6) Minimum piping length is 3 meters per indoor unit.

Dimensions

Wall-mounted Etherea (from 1,6 to 4,2 kW)

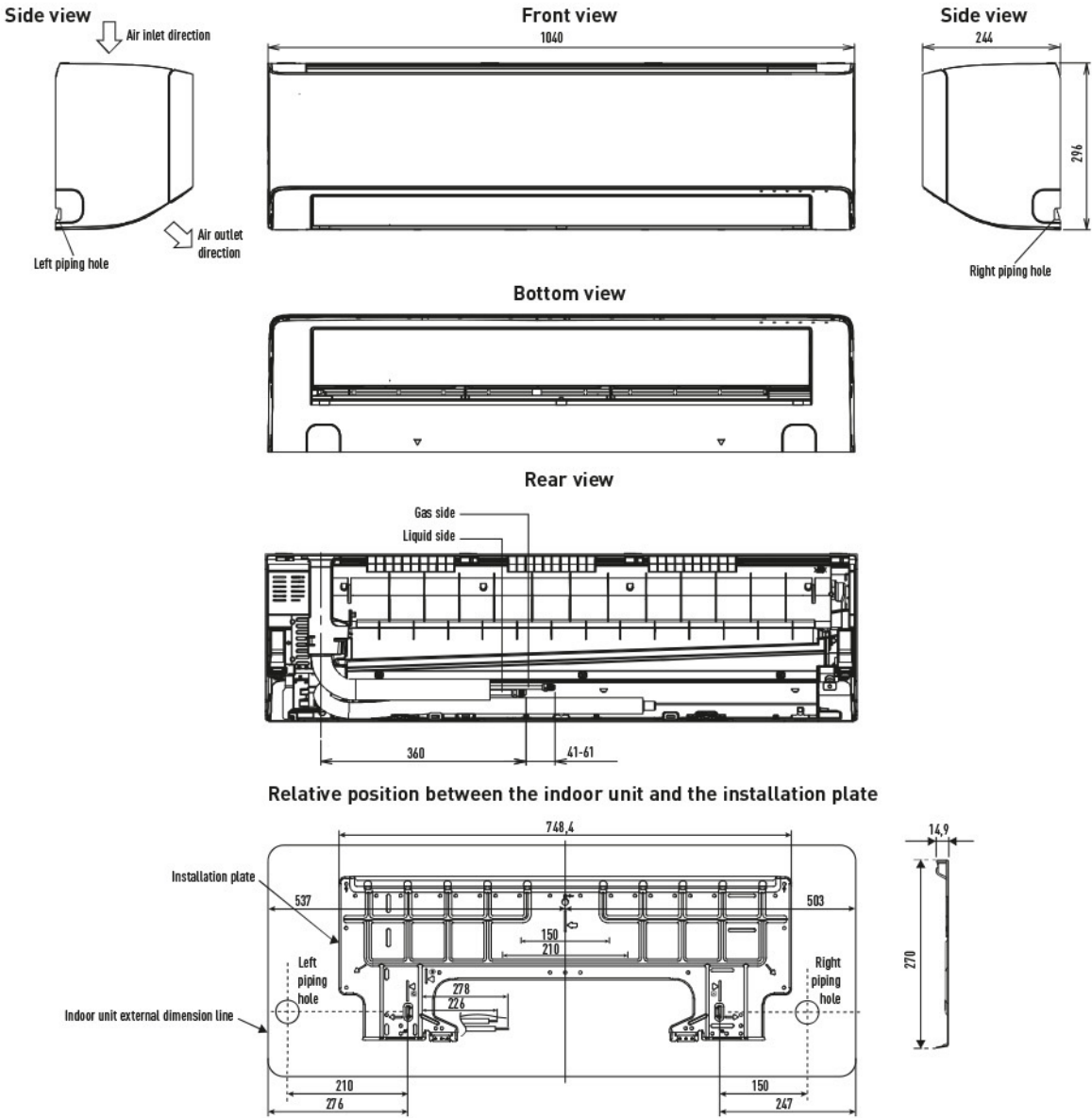


Relative position between the indoor unit and the installation plate



Dimensions

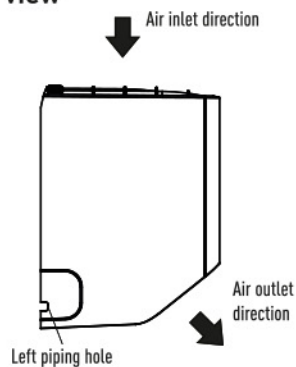
Wall-mounted Etherea (5,0 and 7,1 kW)



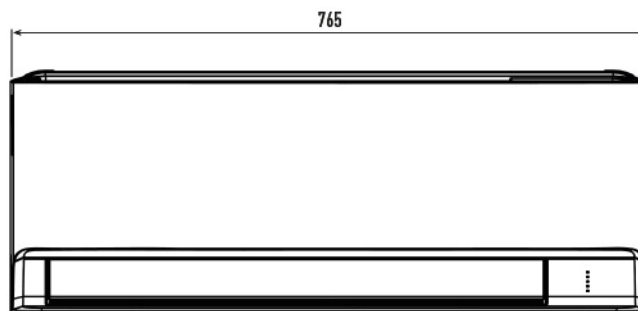
Dimensions

Wall-mounted TZ super-compact (from 1,6 to 5,0 kW)

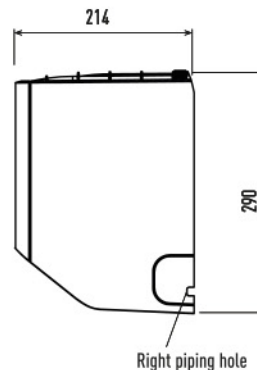
Side view



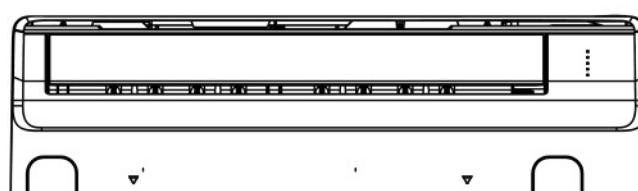
Front view



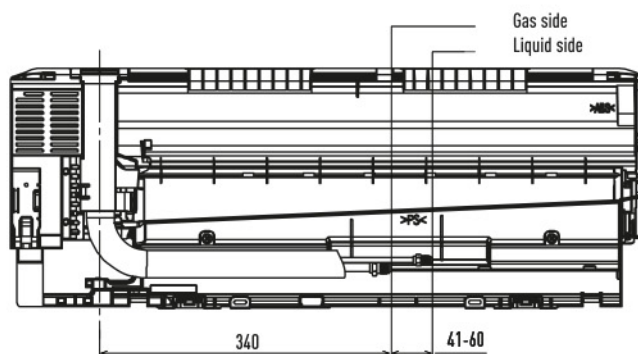
Side view



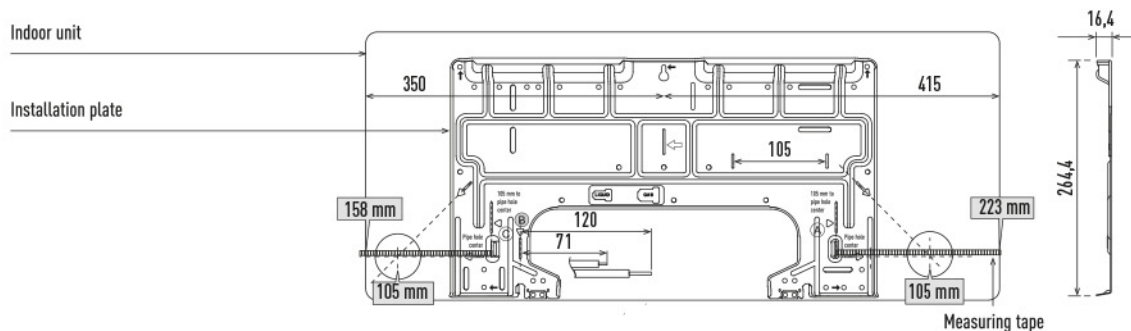
Bottom view



Rear view

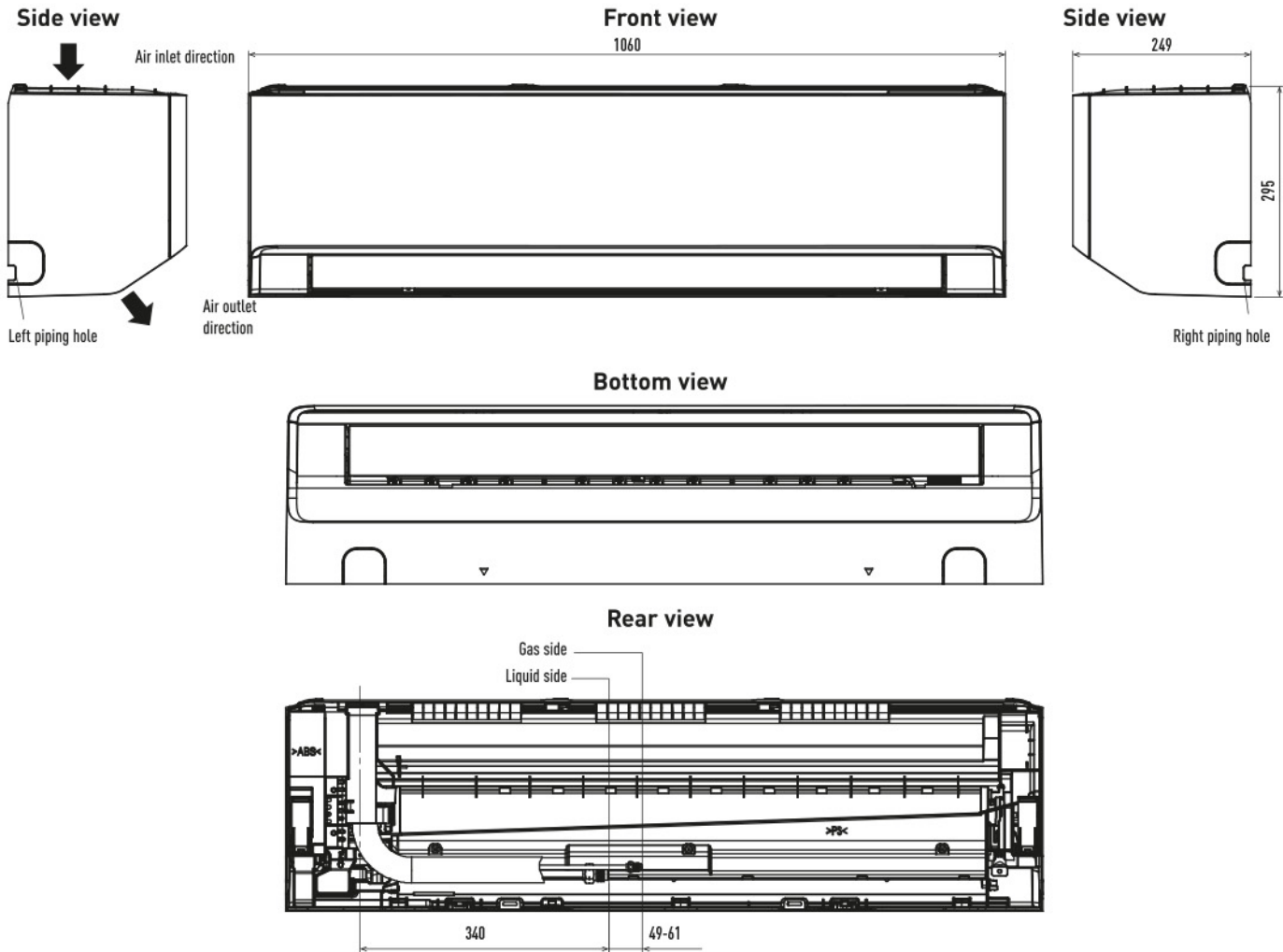


Relative position between the indoor unit and the installation plate

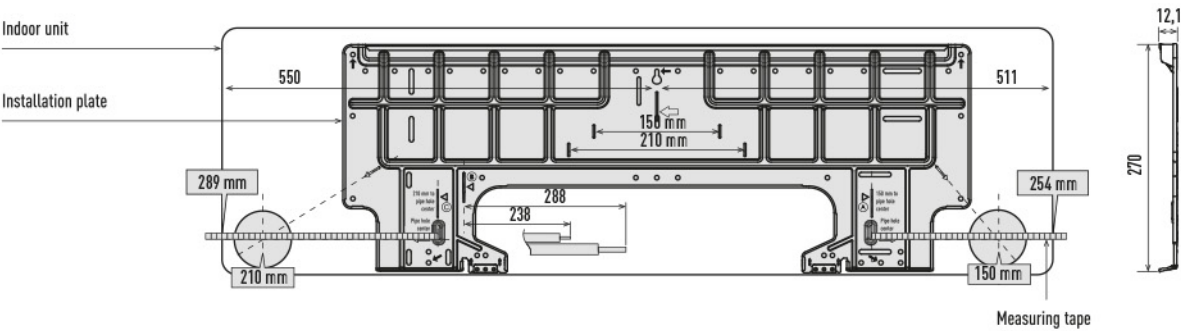


Dimensions

Wall-mounted TZ super-compact (from 6,0 and 7,1 kW)

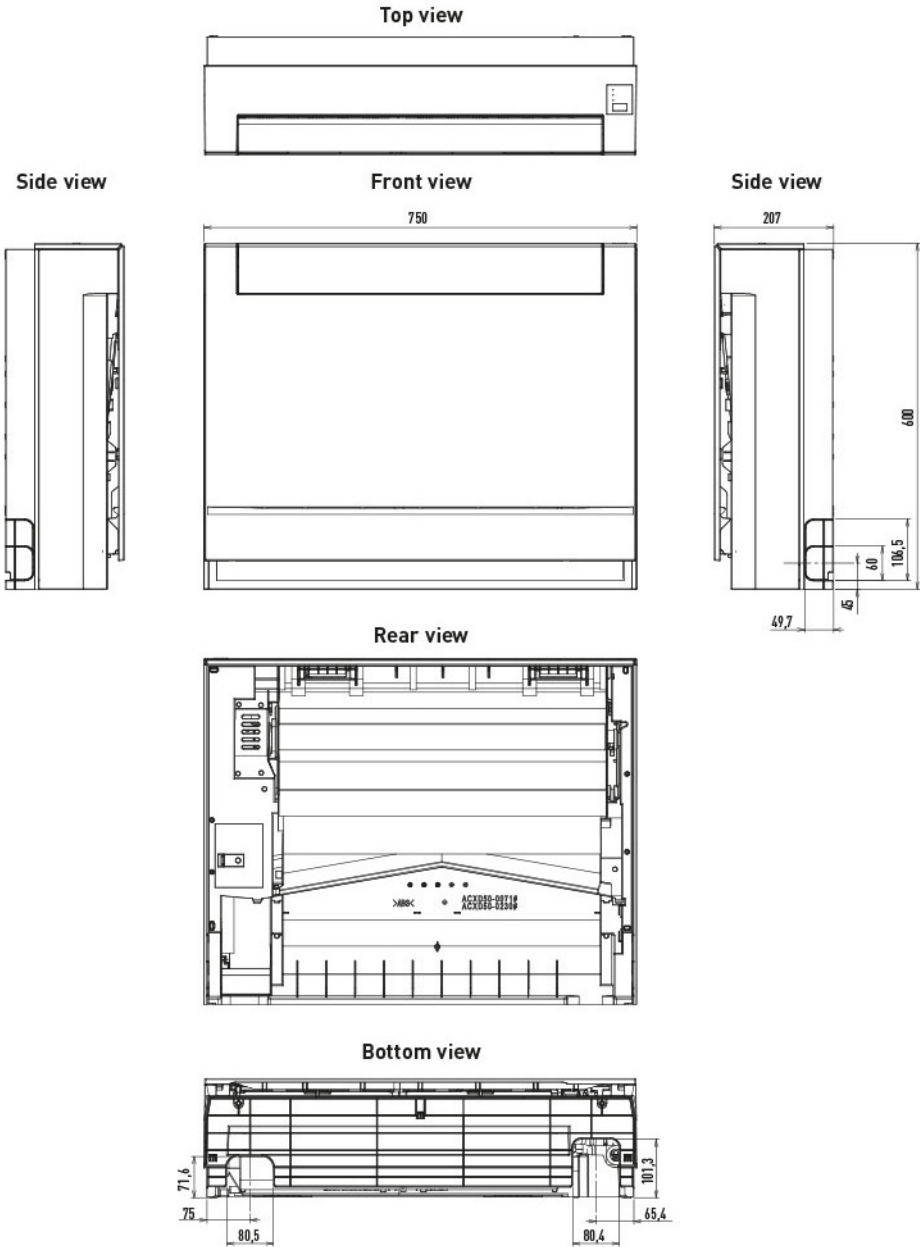


Relative position between the indoor unit and the installation plate

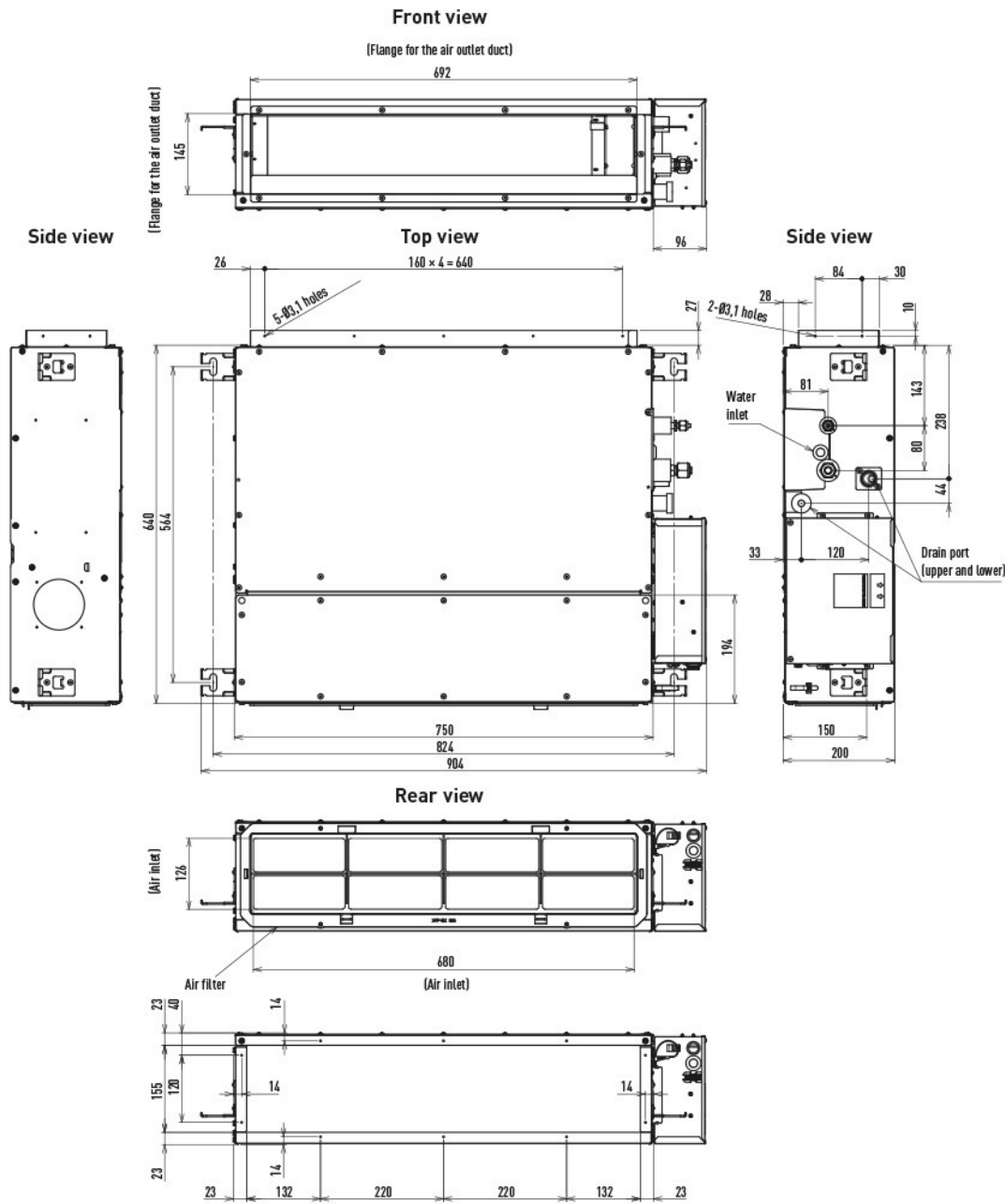


Dimensions

Floor console.



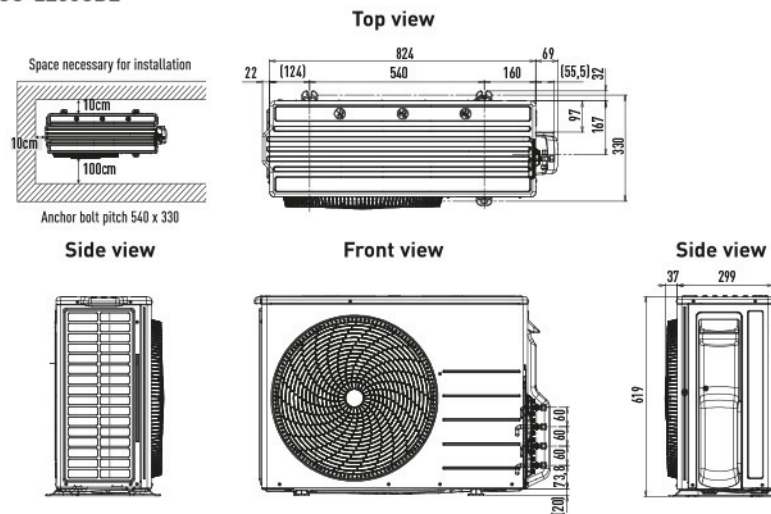
Low static pressure hide-away.



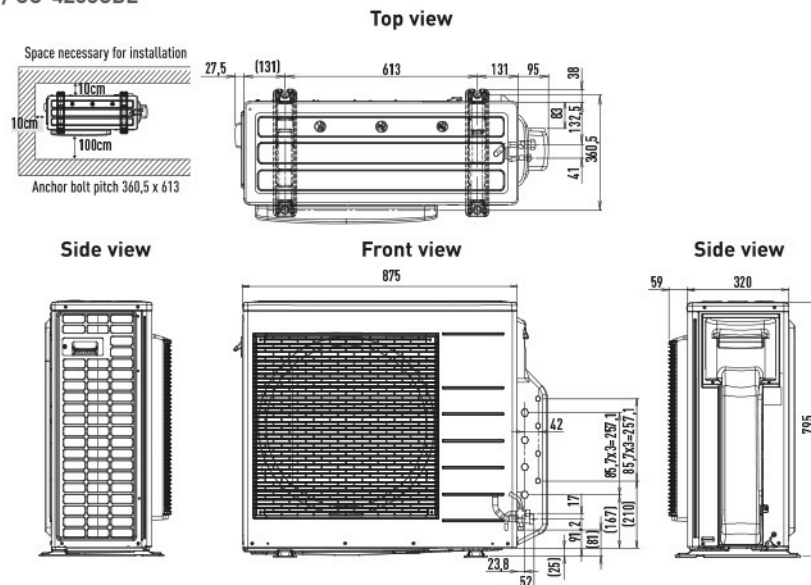
Dimensions

Outdoor units Free Multi System Z.

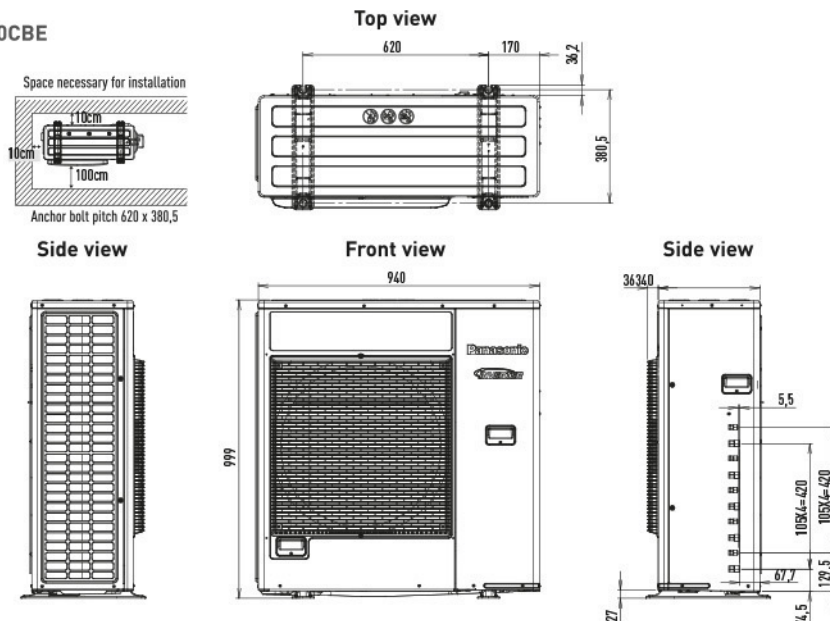
CU-2Z35CBE / CU-2Z41CBE / CU-2Z50CBE



CU-3Z52CBE / CU-3Z68CBE / CU-4Z68CBE



CU-4Z80CBE / CU-5Z90CBE

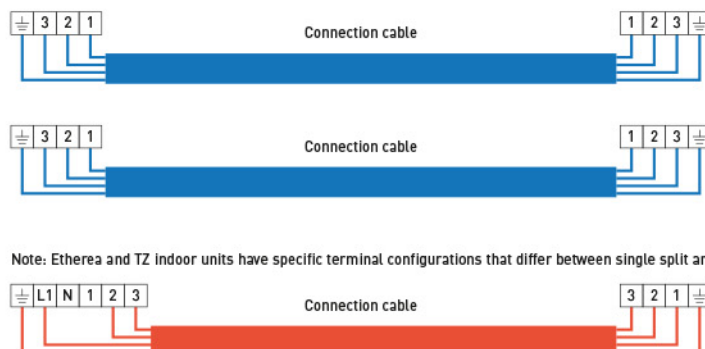
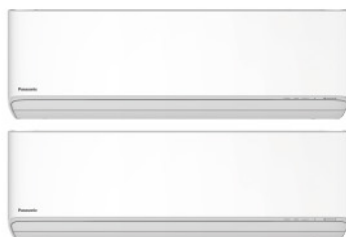


Unit: mm

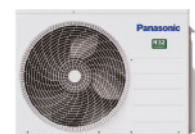
Wiring diagrams

Free Multi System 2 rooms

Indoor unit



Outdoor unit



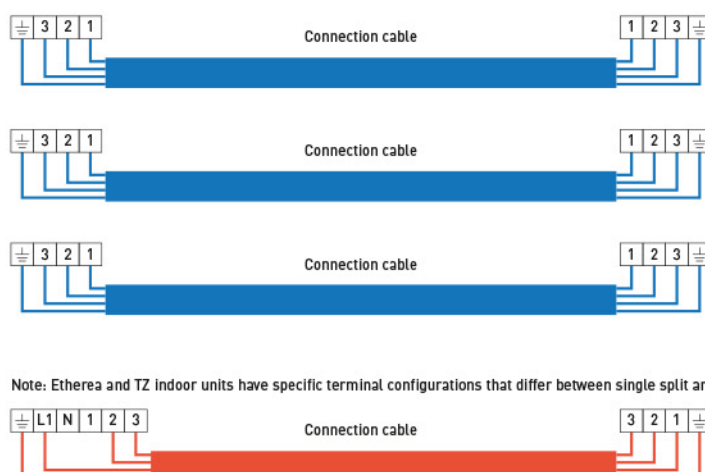
Single phase
Power supply
230 V / 50 Hz / 16 A

Multi system - R32

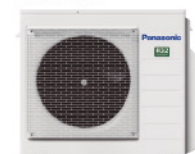
Outdoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor
CU-2Z35CBE	230 V	16 A	3 x 1,5 mm ²	4 x 1,5 mm ²
CU-2Z41CBE	230 V	16 A	3 x 1,5 mm ²	4 x 1,5 mm ²
CU-2Z50CBE	230 V	16 A	3 x 1,5 mm ²	4 x 1,5 mm ²
CU-2TZ41TBE	230 V	16 A	3 x 1,5 mm ²	4 x 1,5 mm ²
CU-2TZ50TBE	230 V	16 A	3 x 1,5 mm ²	4 x 1,5 mm ²
CU-2Z50ABEC	230 V	16 A	3 x 2,5 mm ²	4 x 1,5 mm ²

Free Multi System 3 rooms

Indoor unit



Outdoor unit



Single phase
Power supply
230 V / 50 Hz / 16 A

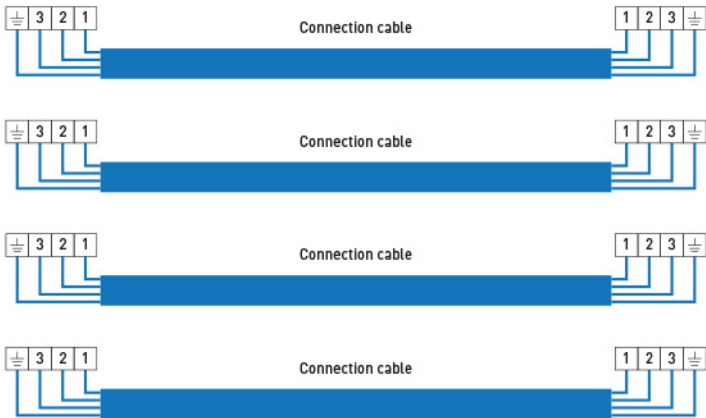
Multi system - R32

Outdoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor
CU-3Z52CBE	230 V	16 A	3 x 2,5 mm ²	4 x 1,5 mm ²
CU-3Z68CBE	230 V	20 A	3 x 2,5 mm ²	4 x 1,5 mm ²
CU-3TZ52TBE	230 V	16 A	3 x 2,5 mm ²	4 x 1,5 mm ²
CU-3Z75ABEC	230 V	16 A	3 x 2,5 mm ²	4 x 1,5 mm ²

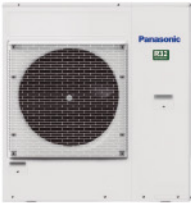
Wiring diagrams

Free Multi System 4 rooms

Indoor unit

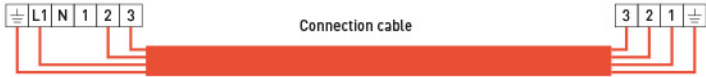


Outdoor unit



Single phase
Power supply
230 V / 50 Hz / 20 A

Note: Etherea and TZ indoor units have specific terminal configurations that differ between single split and multi split installations

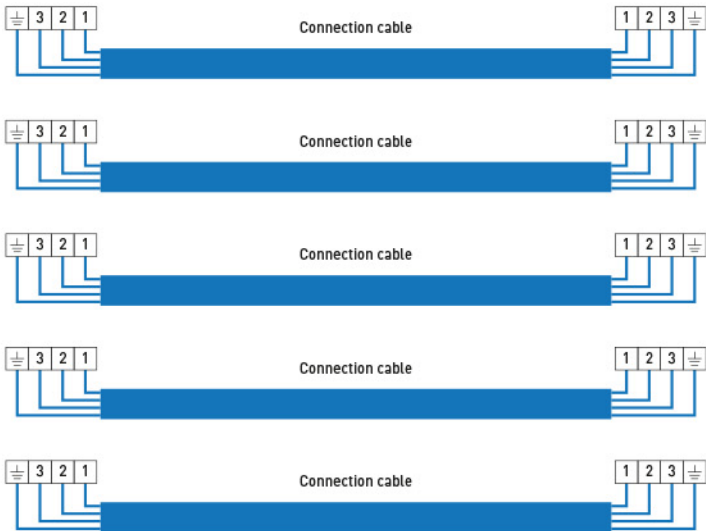


Multi system - R32

Outdoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor
CU-4Z68CBE	230 V	20 A	3 x 2,5 mm²	4 x 1,5 mm²
CU-4Z80CBE	230 V	25 A	3 x 4,0 mm²	4 x 1,5 mm²

Free Multi System 5 rooms

Indoor unit

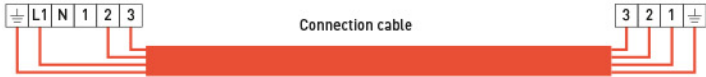


Outdoor unit



Single phase
Power supply
230 V / 50 Hz / 25 A

Note: Etherea and TZ indoor units have specific terminal configurations that differ between single split and multi split installations



Multi system - R32

Outdoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor
CU-5Z90CBE	230 V	25 A	3 x 4,0 mm²	4 x 1,5 mm²