



TZ smart comfort in a compact unit

1. Better air quality with nanoe™ X technology

- nanoe™ X technology with the benefits of hydroxyl radicals

2. Smart control

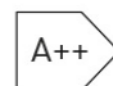
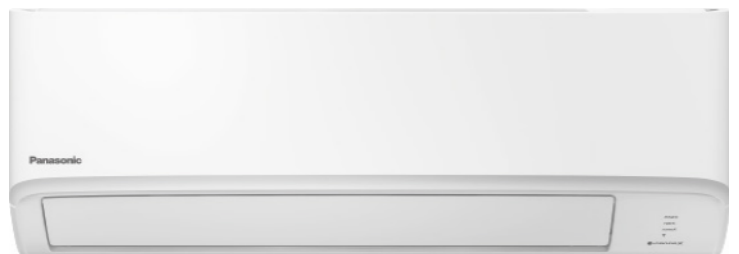
- Built-in Wi-Fi with easier and faster set-up
- Compatible with Google Assistant and Amazon Alexa

3. Super-compact design

- Super-compact design, just 779mm wide

4. High comfort

- Aerowings to control air draft direction
- Super Quiet ambient



TZ with nanoe™ X technology

TZ with nanoe™ X: Smart comfort and cleaner air in a compact unit.



TZ features nanoe™ X technology with the benefits of hydroxyl radicals for a cleaner and more comfortable indoor environment.

Only 779mm wide

Built-in nanoe X Generator Mark 1

Built-in Wi-Fi



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


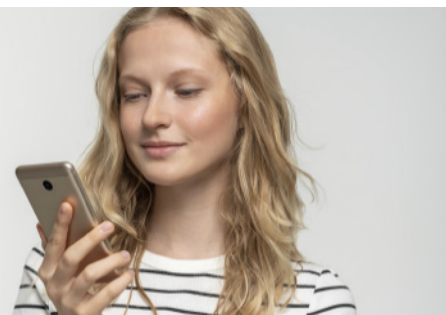


2



3



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.



Technology for high comfort

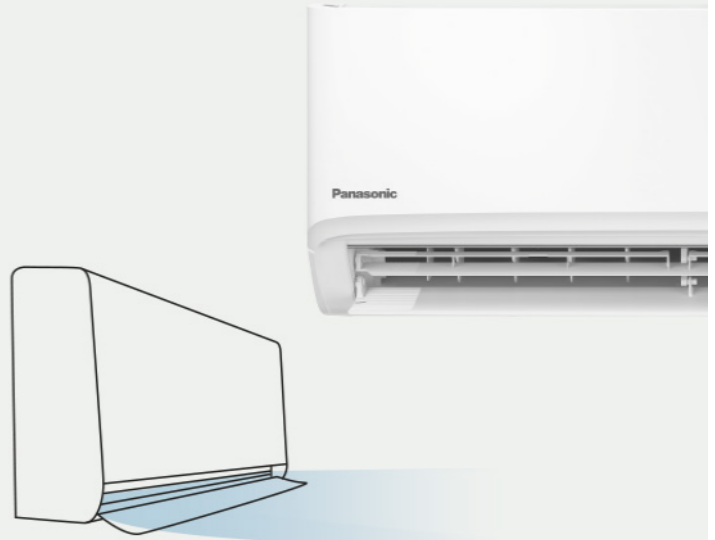
Aerowings

Panasonic's Aerowings feature incorporates two blades that concentrate air flow to cool you down in the shortest time possible. This also helps distribute cool air evenly throughout the room.

Comfort that goes on and on with Shower Cooling.

When the Aerowings twin blades direct air towards the ceiling they create the Shower Cooling effect. This ensures cool air is evenly distributed throughout the room and you can stay comfortable without experiencing continuous direct cooling.

Panasonic Air Conditioners with Aerowings feature an indoor design with wider intake grille and super-high fan speed to produce bigger air flow.



Super-compact design

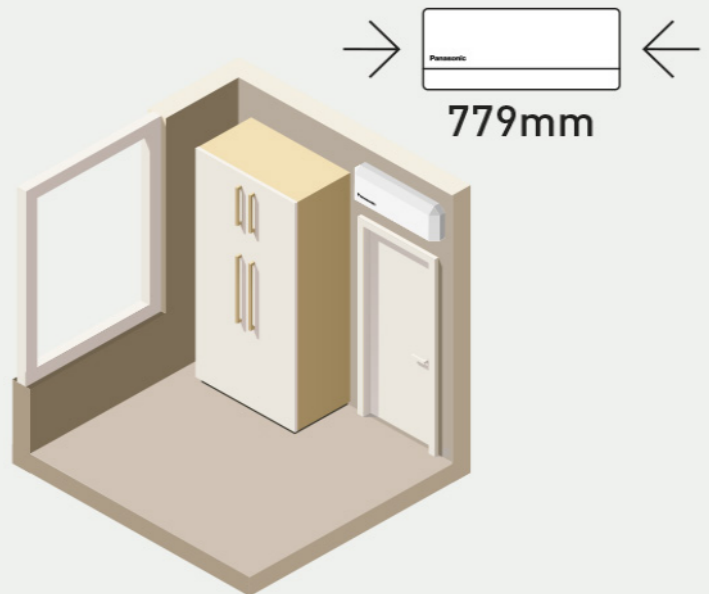
The compact design of the indoor units have a width of just 779mm. This allows for more installation possibilities, including the limited space above a door.

Simple installation

Thanks to advanced improvements, installation time has been decreased. The models have been designed to provide more stability and strength for neat installation, with newly built-in support and convenient access to the drain hose, cabling inserts and larger space for secure installation.

Easy maintenance

Meticulously designed for both installer and user benefit, the unit features an easy to remove front grille for convenient access to the interior. Electronics and wiring components are now on just one side of the unit to simplify maintenance.



High class, easy-to-use remote control with backlight

The easy-to-use remote controller features an ergonomic design with tapered rear housing for the most comfortable grip. The new controller's intuitive design provides easy operation with five quick access keys for convenient use. The controller also has a minimalist design with the less frequently used keys concealed under a sliding cover.

Technology for the ultimate comfort

Free Multi system

If air conditioning requirements exceed the scope of a single room, Panasonic offers an extensive range of possibilities with a multi split solution.

Up to 5 indoor units with a single outdoor unit.

- Just one compact outdoor unit
- Increased comfort in the house since every room has its own indoor unit for heating or cooling
- Much more powerful than a single split
- More efficient since the units are always operating at full capacity
- You can connect all types of indoor units, such as wall types and consoles, depending on what suits your house best



Accessories	
1. CZ-RD517C	Wired remote controller for wall-mounted and floor console
2. CZ-CAPRA1	RAC interface adapter for integration into S-Link
3. PAW-AZAC-KNX-1	KNX interface. Can be used with all models which have a CN-CNT connector (Airzone)
4. PAW-AZAC-MBS-1	Modbus interface. Can be used with all models which have a CN-CNT connector (Airzone)
5. PAW-AZAC-BAC-1	BACnet interface. Can be used with all models which have a CN-CNT connector (Airzone)

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.

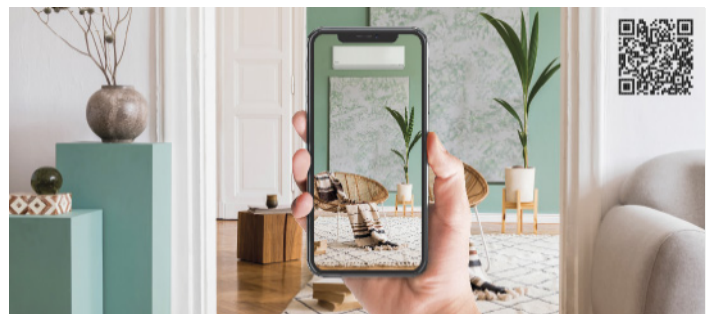
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Domestic AirCon Quick Selector

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!

TZ super-compact with nanoe™ X R32

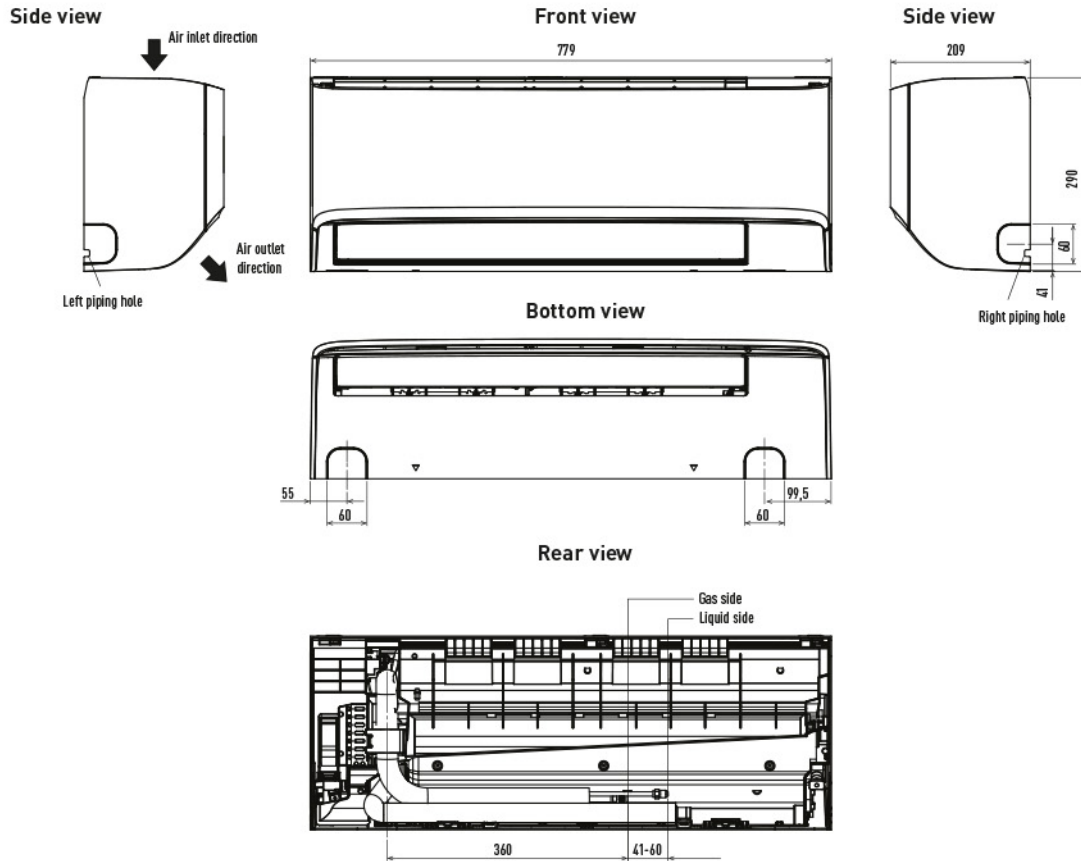
TZ super-compact with nanoe™ X R32		SINGLE PHASE						
		2.00 kW	2.50 kW	3.50 kW	4.20 kW	5.00 kW	6.00 kW	7.10 kW
Kit		KIT-TZ20-ZKE	KIT-TZ25-ZKE	KIT-TZ35-ZKE	KIT-TZ42-ZKE	KIT-TZ50-ZKE	KIT-TZ60-ZKE	KIT-TZ71-ZKE
Cooling capacity (Nominal)	kW	2,00	2,50	3,50	4,20	5,00	6,00	7,10
Cooling capacity (Min)	kW	0,75	0,85	0,85	0,85	0,98	0,98	0,98
Cooling capacity (Max)	kW	2,50	3,00	4,00	4,60	5,60	6,60	8,40
EER (Nominal) (1)	W/W	4,08	3,85	3,57	3,36	3,13	3,24	3,23
EER (Min) (1)	W/W	4,17	4,05	3,62	3,62	3,92	3,92	2,33
EER (Max) (1)	W/W	3,91	3,41	3,33	2,80	2,96	2,87	2,80
SEER (2)		7,00 A++	7,10 A++	6,80 A++	6,40 A++	6,90 A++	6,80 A++	6,20 A++
Pdesign (cooling)	kW	2,0	2,5	3,5	4,2	5,0	6,0	7,1
Input power cooling (Nominal)	kW	0,49	0,65	0,98	1,25	1,60	1,85	2,20
Input power cooling (Min)	kW	0,18	0,21	0,24	0,24	0,25	0,25	0,42
Input power cooling (Max)	kW	0,64	0,88	1,20	1,64	1,89	2,30	3,00
Annual energy consumption cooling (3)	kWh/a	100	123	180	230	254	309	401
Heating capacity (Nominal)	kW	2,70	3,30	4,00	5,00	5,80	7,00	8,20
Heating capacity (Min)	kW	0,70	0,80	0,80	0,80	0,98	0,98	0,98
Heating capacity (Max)	kW	3,60	4,10	5,10	6,80	7,50	8,20	10,20
Heating capacity at -7°C	kW	2,14	2,70	3,30	3,90	4,62	4,90	6,31
COP (Nominal) (1)	W/W	4,15	4,18	4,04	3,73	3,41	3,72	3,71
COP (Min) (1)	W/W	4,24	4,21	4,10	4,10	4,67	4,67	2,45
COP (Max) (1)	W/W	3,53	3,66	3,70	3,33	3,26	3,57	3,29
SCOP (2)		4,60 A++	4,60 A++	4,60 A++	4,10 A+	4,50 A+	4,30 A+	4,10 A+
Pdesign at -10°C	kW	2,1	2,4	2,8	3,6	4,0	4,4	5,5
Input power heating (Nominal)	kW	0,65	0,79	0,99	1,34	1,70	1,88	2,21
Input power heating (Min)	kW	0,17	0,19	0,20	0,20	0,21	0,21	0,40
Input power heating (Max)	kW	1,02	1,12	1,38	2,04	2,30	2,30	3,10
Annual energy consumption heating (3)	kWh/a	639	730	852	1.229	1.244	1.433	1.878
Indoor unit		CS-TZ20ZKEW	CS-TZ25ZKEW	CS-TZ35ZKEW	CS-TZ42ZKEW	CS-TZ50ZKEW	CS-TZ60ZKEW	CS-TZ71ZKEW
Indoor power source	V	230	230	230	230	230	230	230
Indoor recommended fuse	A	16	16	16	16	16	20	20
Indoor connection indoor / outdoor	mm ²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 2,5	4 x 2,5	4 x 2,5
Indoor air flow (Cool)	m ³ /min	9,9	11,0	11,8	12,5	12,5	18,4	19,0
Indoor air flow (Heat)	m ³ /min	10,4	11,5	12,3	13,2	13,2	19,4	19,9
Moisture removal volume	L/h	1,3	1,5	2	2,4	2,8	3,3	4,1
Indoor sound pressure (Cool -Hi) (4)	dB(A)	37	40	42	44	44	45	47
Indoor sound pressure (Cool -Hi) (4)	dB(A)	37	40	42	44	44	45	47
Indoor sound pressure (Cool -Lo) (4)	dB(A)	25	26	30	31	37	37	38
Indoor sound pressure (Cool -Q-Lo) (4)	dB(A)	20	20	20	25	33	34	35
Indoor sound pressure (Heat -Hi) (4)	dB(A)	38	40	42	44	44	45	47
Indoor sound pressure (Heat -Lo) (4)	dB(A)	26	27	33	35	37	37	38
Indoor sound pressure (Heat -Q-Lo) (4)	dB(A)	22	22	22	28	33	34	35
Indoor dimension (Height)	mm	290	290	290	290	290	295	295
Indoor dimension (Width)	mm	779	779	779	779	779	1.040	1.040
Indoor dimension (Depth)	mm	209	209	209	209	209	244	244
Indoor net weight	kg	8	8	8	8	8	12	13
nanoe X Generator		Mark 1	Mark 1	Mark 1	Mark 1	Mark 1	Mark 1	Mark 1
Outdoor unit		CU-TZ20ZKE	CU-TZ25ZKE	CU-TZ35ZKE	CU-TZ42ZKE	CU-TZ50ZKE	CU-TZ60ZKE	CU-TZ71ZKE
Outdoor air flow (Cool)	m ³ /min	29,7	30,0	28,7	31,0	32,7	34,4	44,7
Outdoor air flow (Heat)	m ³ /min	29,7	28,9	29,7	31,3	32,7	35,6	45,8
Outdoor sound pressure (Cool -Hi) (4)	dB(A)	46	47	48	49	48	49	52
Outdoor sound pressure (Cool -Hi) (4)	dB(A)	46	47	48	49	48	49	52
Outdoor sound pressure (Heat -Hi) (4)	dB(A)	47	48	50	51	49	51	54
Outdoor dimension (Height) (5)	mm	542	542	542	542	619	619	695
Outdoor dimension (Width) (5)	mm	780	780	780	780	824	824	875
Outdoor dimension (Depth) (5)	mm	289	289	289	289	299	299	320
Outdoor net weight	kg	24	25	29	31	35	35	45
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)
Pipe diameter (Gas)	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)
Pipe length range	m	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 20	3 ~ 30	3 ~ 30
Elevation difference (in/out) (6)	m	15	15	15	15	15	15	20
Pipe length for additional gas	m	7,5	7,5	7,5	7,5	10	10	10
Additional gas amount	g/m	10	10	10	10	15	15	25
Refrigerant (R32) / CO2 Eq.	kg / T	0,52 / 0,35	0,61 / 0,41	0,67 / 0,45	0,79 / 0,53	1,07 / 0,72	1,22 / 0,82	1,35 / 0,91
Operating range (Cool - Min)	°C	-10	-10	-10	-10	-10	-10	-10
Operating range (Cool - Min)	°C	-10	-10	-10	-10	-10	-10	-10
Operating range (Cool - Max)	°C	+43	+43	+43	+43	+43	+43	+43
Operating range (Heat - Min)	°C	-15	-15	-15	-15	-15	-15	-15
Operating range (Heat - Max)	°C	+24	+24	+24	+24	+24	+24	+24

TZ super-compact with nanoe™ X R32

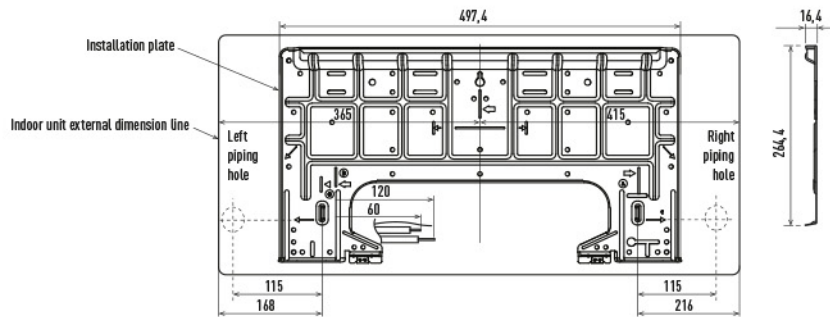
TZ super-compact with nanoe™ X R32	SINGLE PHASE						
	2.00 kW	2.50 kW	3.50 kW	4.20 kW	5.00 kW	6.00 kW	7.10 kW

Dimensions

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

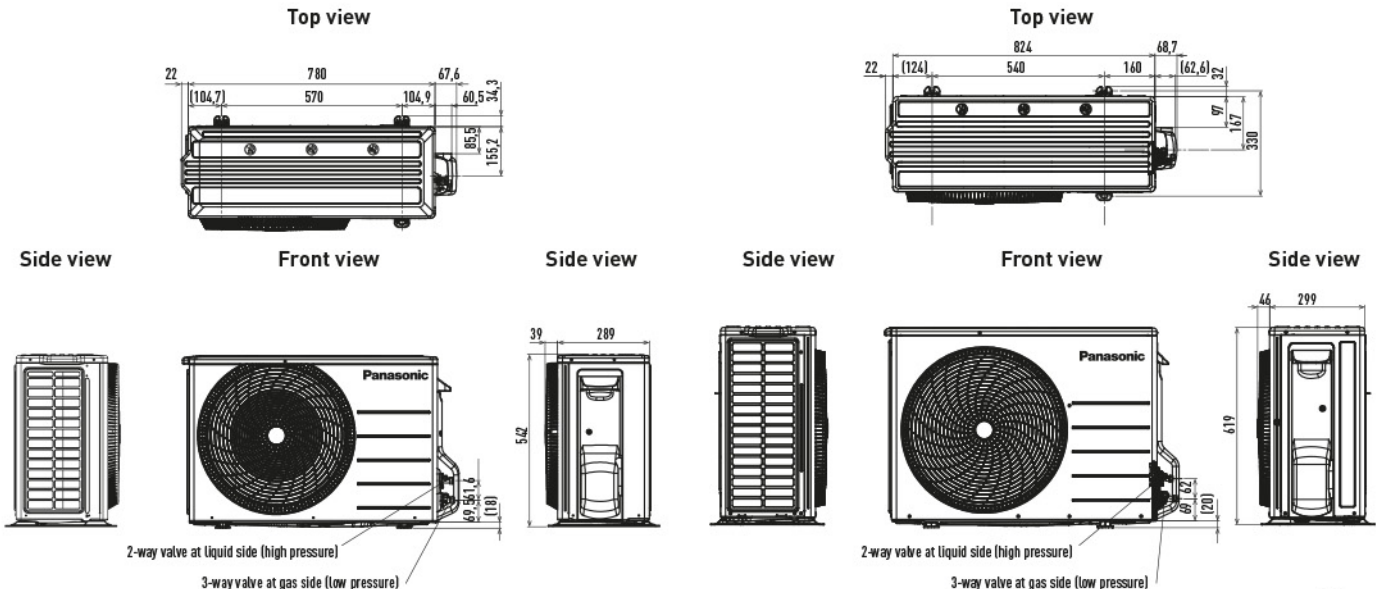


Relative position between the indoor unit and the installation plate



CU-TZ20ZKE / CU-TZ25ZKE / CU-TZ35ZKE / CU-TZ42ZKE

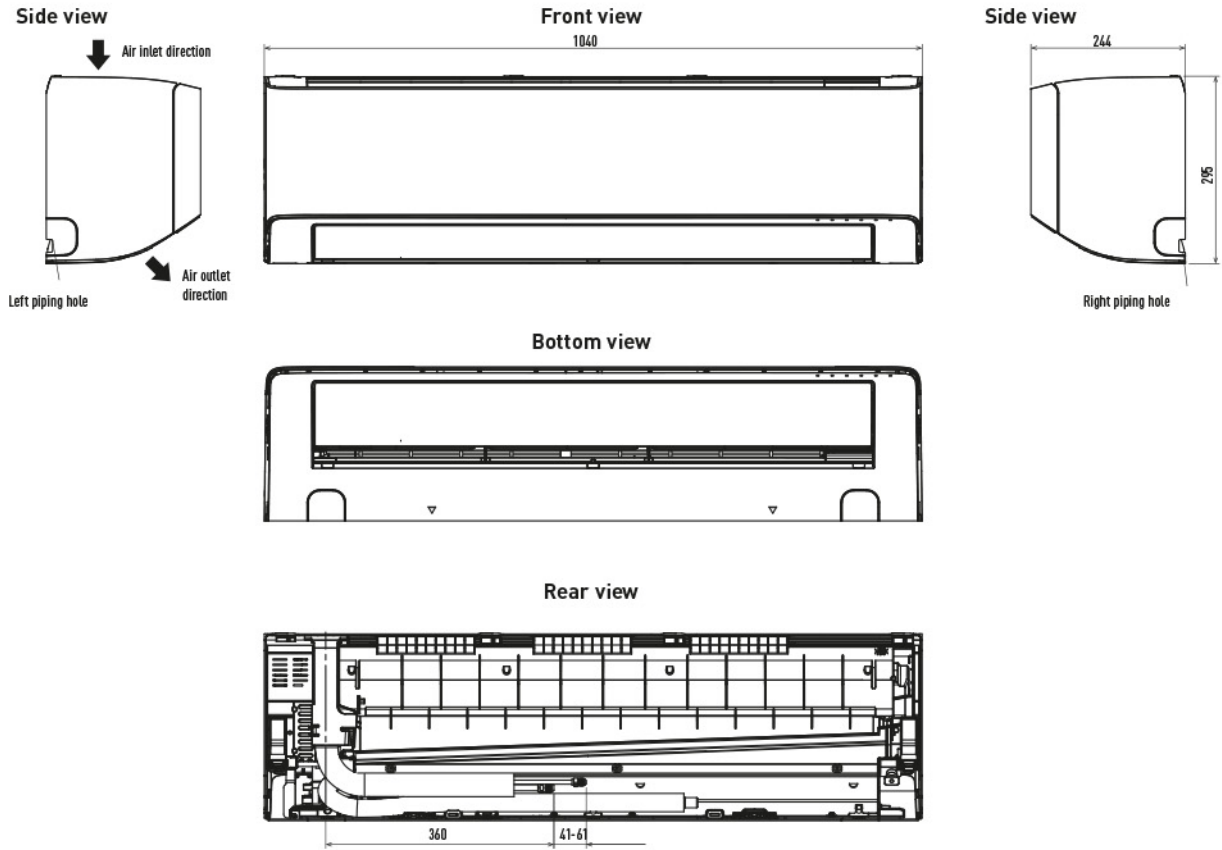
CU-TZ50ZKE



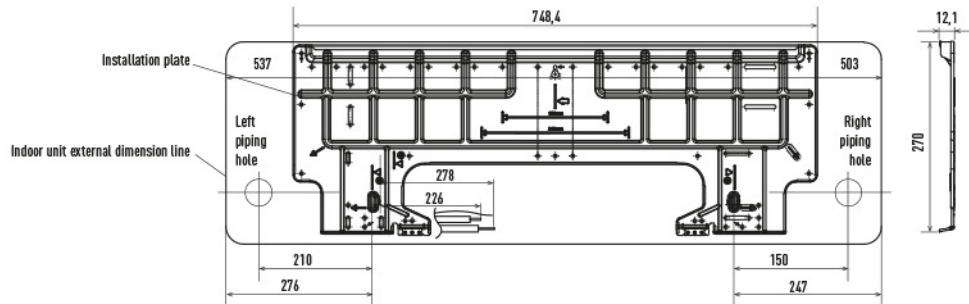
Unit: mm

Dimensions

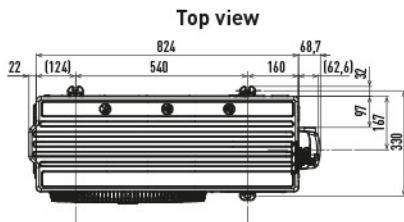
Wall-mounted TZ super-compact (6,0 and 7,1 kW)



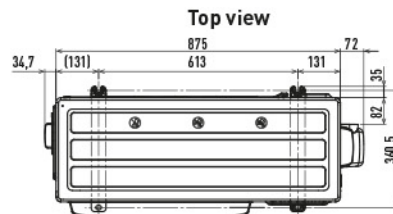
Relative position between the indoor unit and the installation plate



CU-TZ60ZKE



CU-TZ71ZKE



Side view

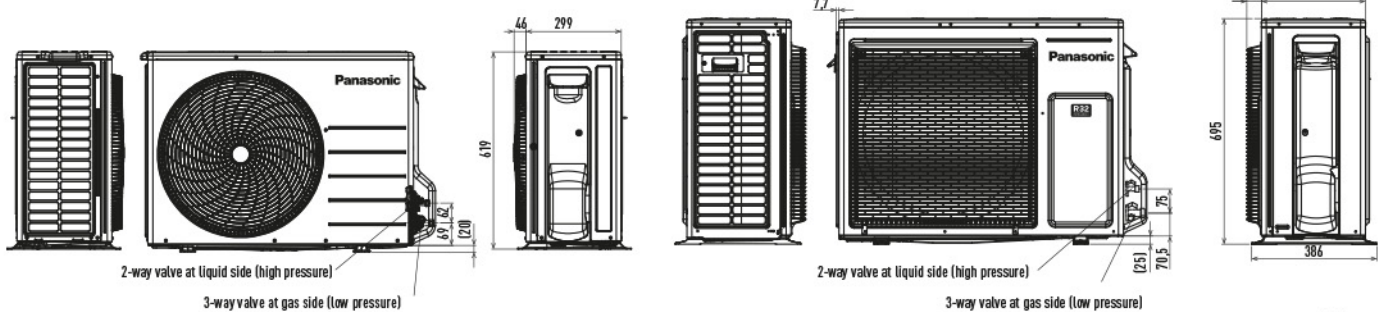
Front view

Side view

Side view

Front view

Side view



Unit: mm

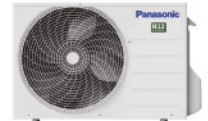
Wiring diagrams

Wall-mounted TZ super-compact kits 1x1

Indoor unit



Outdoor unit



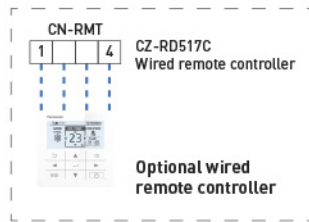
Attention: Wall-mounted Etherea and TZ super-compact have different connection terminals



Single phase
Power supply
230 V / 50 Hz



Infrared remote
controller (included
in the delivery)



Optional wired
remote controller

Power supply to indoor or outdoor depending on model, see table.

Single phase

Indoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor	Outdoor unit
CS-TZ20ZKEW	230 V (indoor)	16 A	3 x 1,5 mm ²	4 x 1,5 mm ²	CU-TZ20ZKE
CS-TZ25ZKEW	230 V (indoor)	16 A	3 x 1,5 mm ²	4 x 1,5 mm ²	CU-TZ25ZKE
CS-TZ35ZKEW	230 V (indoor)	16 A	3 x 1,5 mm ²	4 x 1,5 mm ²	CU-TZ35ZKE
CS-TZ42ZKEW	230 V (indoor)	16 A	3 x 1,5 mm ²	4 x 1,5 mm ²	CU-TZ42ZKE
CS-TZ50ZKEW	230 V (indoor)	16 A	3 x 2,5 mm ²	4 x 2,5 mm ²	CU-TZ50ZKE
CS-TZ60ZKEW	230 V (indoor)	20 A	3 x 2,5 mm ²	4 x 2,5 mm ²	CU-TZ60ZKE
CS-TZ71ZKEW	230 V (indoor)	20 A	3 x 2,5 mm ²	4 x 2,5 mm ²	CU-TZ71ZKE