



TZ series: Smart comfort and cleaner air in a compact unit

1. 24/7 cleaner air with nanoe™ X technology

- Works independently of heating or cooling modes
- Maintenance-free: No filters or replacements required

2. Super-compact design

- Just 765mm wide, ideal for tight spaces like above doors

3. Smart control

- Built-in Wi-Fi for smart control via Comfort Cloud App
- Works with Google Home and Alexa

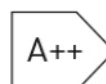
4. High comfort

- Aerowings for fast and even air distribution
- Super Quiet operation, as low as 20dB(A)



R32

nanoe[™]X



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.

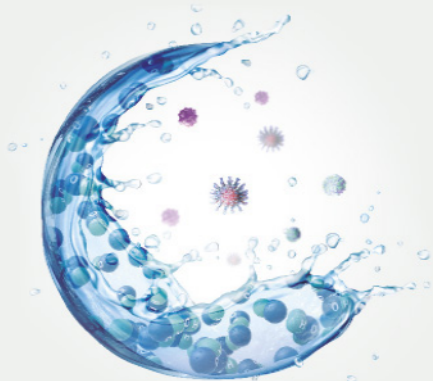
Only 779mm wide

Built-in nanoe X Generator Mark 1

Built-in Wi-Fi



nanoe™ X



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

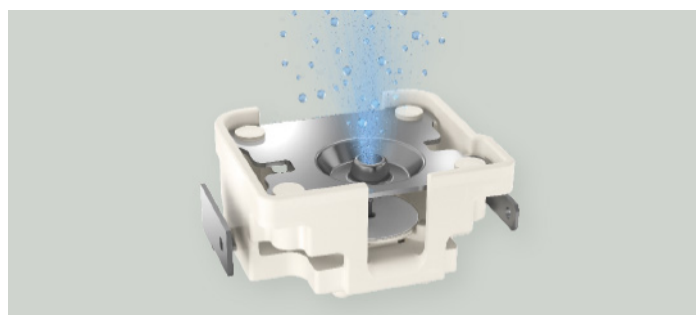
- 1. Capacity to inhibit 5 types of pollutants:** Bacteria and viruses - Mould - Allergens - Pollen - Hazardous substances
- 2. Deodorises:** Odours
- 3. Moisturises:** Skin and hair



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.



Maintenance-free

No service and maintenance required. nanoe™ X is a filter free solution that does not require maintenance, as its atomisation electrode is enveloped with water during its generation process and it is made with Titanium.

*The image shows nanoe X generator Mark 3.

Technology for high comfort

Super-compact design, smart details

This super-compact indoor unit, just 765 mm wide, combines smart design elements that make installation and servicing easier, provide effortless everyday operation, and deliver a clean, modern look without compromising performance. Its ultra-compact size makes it ideal for tight spaces, including above doors.



Aerowings

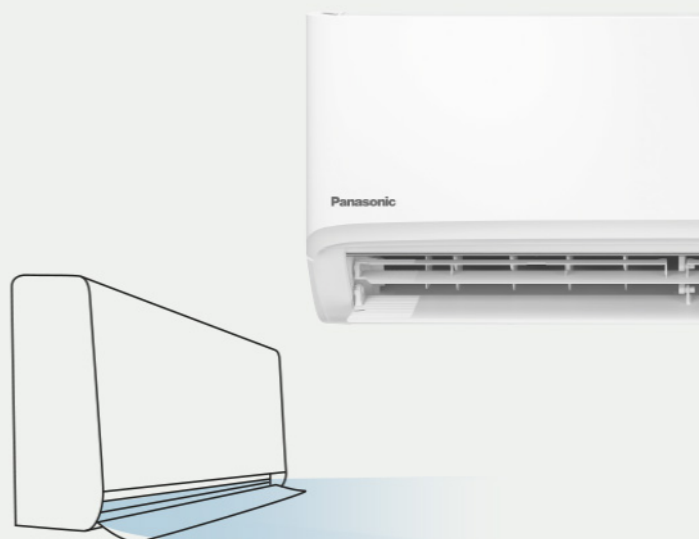
Panasonic's Aerowings feature incorporates two blades that concentrate air flow to cool you down in the shortest time possible. This also helps distribute cool air evenly throughout the room.

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.

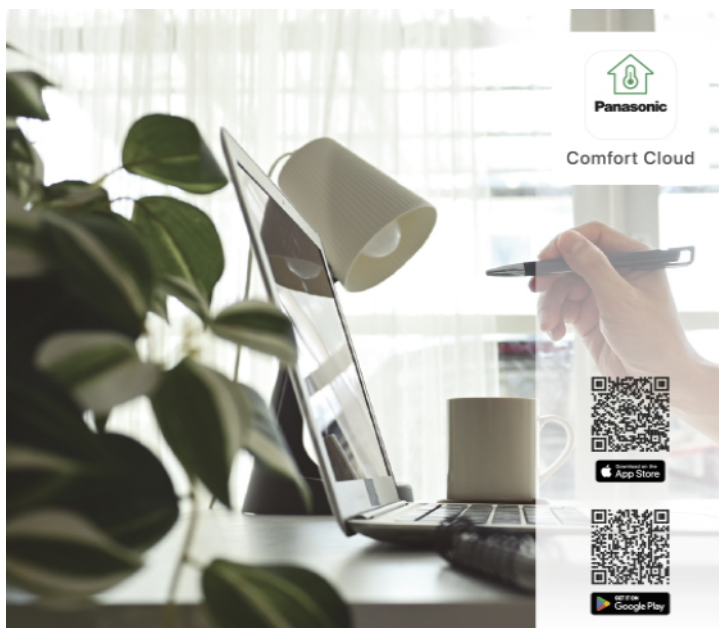
Panasonic Air Conditioners with Aerowings feature an indoor design with wider intake grille and super-high fan speed to produce bigger air flow.



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.

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.

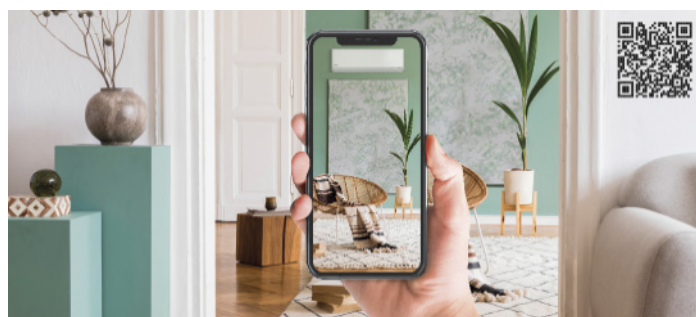
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Domestic AirCon Quick Selector

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!

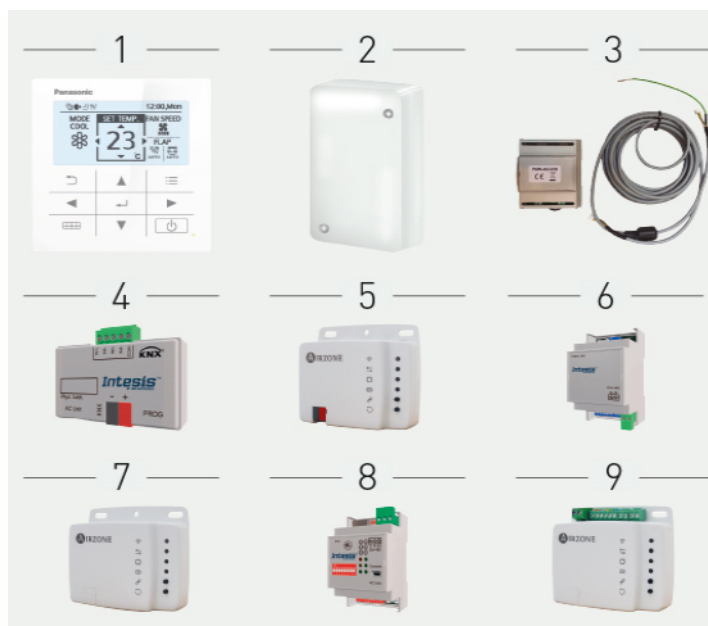
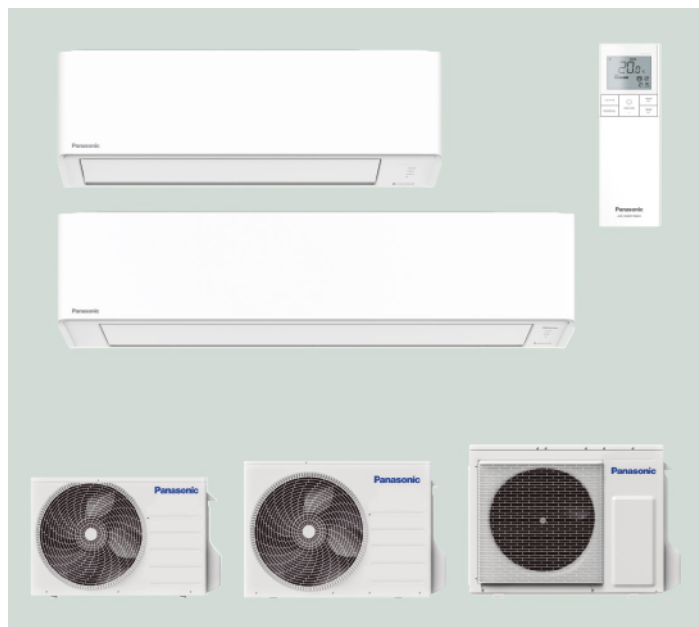
Product and accessories

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-AC-DIO:** Dry contact interface for RAC models with CN-RMT connector.
- 4. PAW-AC-KNX-1i:** KNX gateway powered via CN-CNT. For RAC models with CN-CNT connector.
- 5. PAW-AZAC-KNX-1:** KNX gateway with 12V DC power supply. For RAC models with CN-CNT connector.
- 6. PAW-AC-MBS-1:** DIN rail-mounted Modbus gateway, powered via CN-CNT. For RAC models with CN-CNT connector.
- 7. PAW-AZAC-MBS-1:** Modbus gateway with 12V DC power supply. For RAC models with CN-CNT connector.
- 8. PAW-AC-BAC-1:** DIN rail-mounted BACnet gateway, powered via CN-CNT. For RAC models with CN-CNT connector.
- 9. PAW-AZAC-BAC-1:** BACnet gateway with 12V DC power supply. For RAC models with CN-CNT connector.

TZ super-compact with nanoe™ X R32

TZ super-compact with nanoe™ X R32		SINGLE PHASE						
		2.0 kW	2.5 kW	3.5 kW	4.2 kW	5.0 kW	6.0 kW	7.1 kW
Cooling capacity (Min)	kW	0,75	0,85	0,85	0,85	0,98	0,98	0,98
Input power heating (Min)	kW	0,17	0,19	0,20	0,20	0,21	0,21	0,40
COP (Max) (1)	W/W	3,53	3,66	3,70	3,33	3,26	3,57	3,29
COP (Min) (1)	W/W	4,24	4,21	4,10	4,10	4,67	4,67	2,45
Heating capacity (Max)	kW	3,60	4,10	5,10	6,80	7,50	8,20	10,20
Heating capacity (Min)	kW	0,70	0,80	0,80	0,80	0,98	0,98	0,98
Input power cooling (Max)	kW	0,64	0,88	1,20	1,64	1,89	2,30	3,00
Input power cooling (Min)	kW	0,18	0,21	0,24	0,24	0,25	0,25	0,42
EER (Max) (1)	W/W	3,91	3,41	3,33	2,80	2,96	2,87	2,80
EER (Min) (1)	W/W	4,17	4,05	3,62	3,62	3,92	3,92	2,33
Cooling capacity (Max)	kW	2,50	3,00	4,00	4,60	5,60	6,60	8,40
Input power heating (Max)	kW	1,02	1,12	1,38	2,04	2,30	2,30	3,10
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
Elevation difference (in/out) (6)	m	15	15	15	15	15	15	20
Outdoor dimension (Depth) (5)	mm	289	289	289	289	299	299	320
Outdoor dimension (Width) (5)	mm	780	780	780	780	824	824	875
Outdoor dimension (Height) (5)	mm	542	542	542	542	619	619	695
Outdoor sound pressure (Heat -Hi) (4)	dB(A)	47	48	50	51	49	51	54
Outdoor unit		CU-TZ20CKE	CU-TZ25CKE	CU-TZ35CKE	CU-TZ42CKE	CU-TZ50CKE	CU-TZ60CKE	CU-TZ71CKE
nanoe X Generator		Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2
Outdoor air flow (Heat)	m³/min	29,7	28,9	29,7	29,5	32,7	35,6	45,8
Outdoor air flow (Cool)	m³/min	29,7	30,0	28,7	31,0	32,7	34,4	44,7
Indoor unit		CS-TZ20CKEW	CS-TZ25CKEW	CS-TZ35CKEW	CS-TZ42CKEW	CS-TZ50CKEW	CS-TZ60CKEW	CS-TZ71CKEW
Indoor sound pressure (Heat -Q-Lo) (4)	dB(A)	21	21	21	28	33	34	35
Indoor sound pressure (Heat -Lo) (4)	dB(A)	26	27	33	35	37	37	38
Indoor sound pressure (Heat -Hi) (4)	dB(A)	38	40	42	44	44	45	47
Indoor sound pressure (Cool -Q-Lo) (4)	dB(A)	20	20	20	25	33	34	35
Indoor sound pressure (Cool -Lo) (4)	dB(A)	25	26	30	31	37	37	38
Moisture removal volume	L/h	1,3	1,5	2	2,4	2,8	3,3	4,1
Indoor air flow (Heat)	m³/min	10,5	11,5	12,3	13,3	13,4	21,0	21,6
Indoor air flow (Cool)	m³/min	10,0	11,0	11,8	12,6	12,6	19,9	20,4
Indoor connection indoor / outdoor	mm²	4x1,5	4x1,5	4x1,5	4x1,5	4x2,5	4x2,5	4x2,5
Indoor power source	V	230	230	230	230	230	230	230
Annual energy consumption heating (3)	kWh/a	639	730	852	1 229	1 244	1 433	1 878
Annual energy consumption cooling (3)	kWh/a	100	120	168	223	254	304	394
Input power cooling (Nominal)	kW	0,49	0,65	0,98	1,25	1,60	1,85	2,20
Pdesign (cooling)	kW	2,0	2,5	3,5	4,2	5,0	6,0	7,1
SEER (2)		7,00 A++	7,30 A++	7,30 A++	6,60 A++	6,90 A++	6,90 A++	6,30 A++
Outdoor net weight	kg	24	25	30	31	35	36	45
Outdoor sound pressure (Cool -Hi) (4)	dB(A)	46	47	48	49	48	49	52
Indoor net weight	kg	9	9	9	9	9	14	15
Indoor dimension (Height)	mm	290	290	290	290	290	295	295
Indoor sound pressure (Cool -Hi) (4)	dB(A)	37	40	42	44	44	45	47
SCOP (2)		4,60 A++	4,60 A++	4,60 A++	4,10 A+	4,50 A+	4,30 A+	4,10 A+
Pipe length range	m	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 20	3 ~ 30	3 ~ 30
Heating capacity at -7°C	kW	2,35	2,70	3,30	3,90	4,62	4,90	6,31
Kit		KIT-TZ20-CKE	KIT-TZ25-CKE	KIT-TZ35-CKE	KIT-TZ42-CKE	KIT-TZ50-CKE	KIT-TZ60-CKE	KIT-TZ71-CKE
Additional gas amount	g/m	10	10	10	10	15	15	25
Pipe length for additional gas	m	7,5	7,5	7,5	7,5	10	10	10
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 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)
Indoor dimension (Depth)	mm	214	214	214	214	214	249	249
Indoor dimension (Width)	mm	765	765	765	765	765	1 060	1 060
Indoor recommended fuse	A	16	16	16	16	16	20	20
Refrigerant (R32) / CO2 Eq.	kg / T	0,50 / 0,34	0,58 / 0,39	0,68 / 0,46	0,79 / 0,53	1,03 / 0,70	1,22 / 0,82	1,32 / 0,89
EER (Nominal) (1)	W/W	4,08	3,85	3,57	3,36	3,13	3,24	3,23
COP (Nominal) (1)	W/W	4,15	4,18	4,04	3,73	3,41	3,72	3,71
Heating capacity (Nominal)	kW	2,70	3,30	4,00	5,00	5,80	7,00	8,20
Cooling capacity (Nominal)	kW	2,00	2,50	3,50	4,20	5,00	6,00	7,10
Operating range (Cool - Min)	°C	-10	-10	-10	-10	-10	-10	-10
Input power heating (Nominal)	kW	0,65	0,79	0,99	1,34	1,7	1,88	2,21
Pdesign at -10°C	kW	2,1	2,4	2,8	3,6	4	4,4	5,5

(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 indoor unit shows the value measured of a position of 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed.

(5) Add 70mm for piping port.