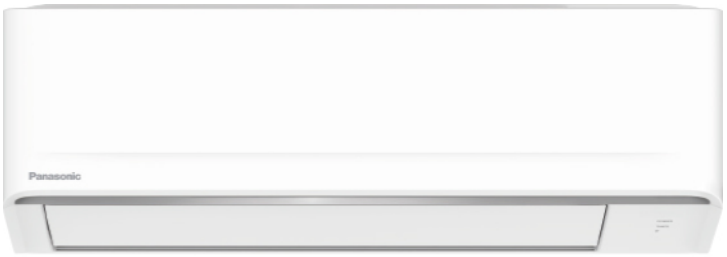
Panasonic

heating & cooling solutions

BZ, compact and efficient



1. Super-compact design

· Just 765mm wide, ideal for tight spaces like above doors
· Can be installed on R410A and R22 piping systems

2. Smart control

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

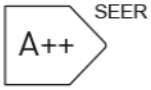
3. Better indoor air quality

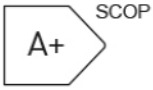
· Cleaner indoor air with PM2,5 Filter

4. High comfort

· Aerowings for fast and even air distribution
· Super Quiet operation, as low as 20dB(A)
· Heating down to -15°C

R32





High comfort in a compact unit

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.

Highlighted features

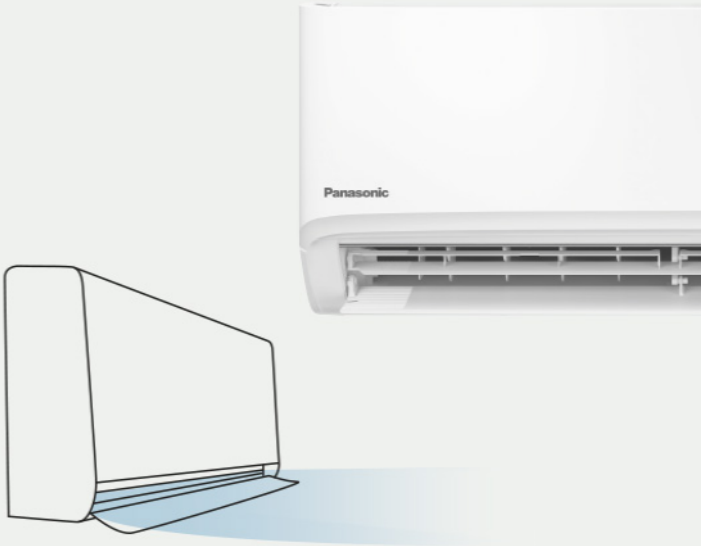
Super Quiet – Only 20dB(A)
With Super Quiet technology our devices are quieter than a library.
Cleaner indoor air with PM2,5 filter
The filter can catch PM2,5 particulate matter, such as hazardous pollutants, dust and pollen, to improve the quality of the indoor air.

Aerowings

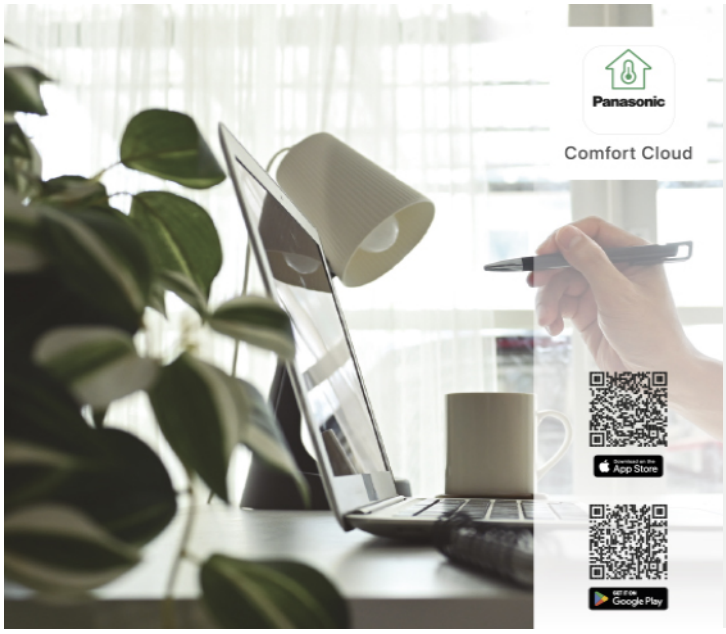
Panasonic's Aerowings feature incorporates two blades that concentrate air flow to cool you down in the shortest time possible. This also helps distribute cool air evenly throughout the room.

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.



Smart and 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

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-KNX-1i: KNX gateway powered via CN-CNT. For RAC models with CN-CNT connector.

4. PAW-AZAC-KNX-1: KNX gateway with 12 V DC power supply. For RAC models with CN-CNT connector.

5. PAW-AC-MBS-1: DIN rail-mounted Modbus gateway, powered via CN-CNT. For RAC models with CN-CNT connector.

6. PAW-AZAC-MBS-1: Modbus gateway with 12 V DC power supply. For RAC models with CN-CNT connector.

7. PAW-AC-BAC-1: DIN rail-mounted BACnet gateway, powered via CN-CNT. For RAC models with CN-CNT connector..

8. PAW-AZAC-BAC-1: BACnet gateway with 12 V DC power supply. For RAC models with CN-CNT connector.

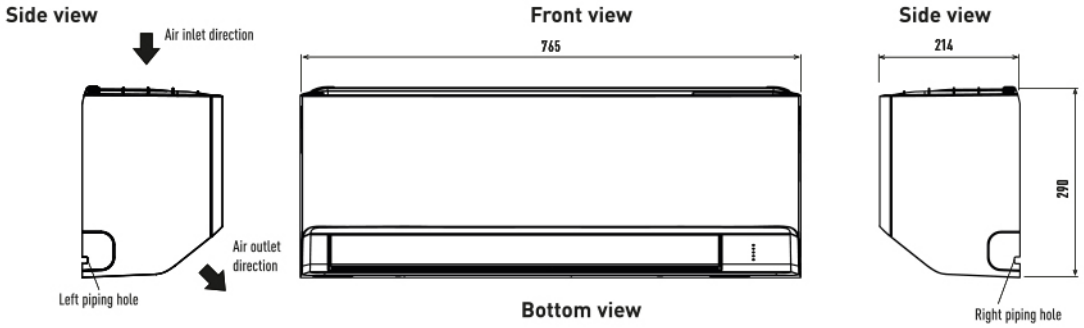
9. PAW-AC-DIO: Dry contact interface for RAC models with CN-RMT connector..

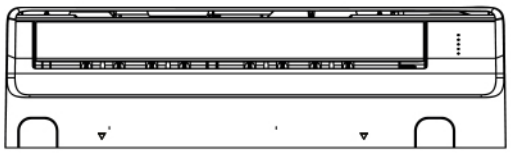
BZ super-compact • R32

BZ super-compact · R32		SINGLE PHASE			
		2.5 kW	3.3 kW	5.0 kW	6.0 kW
Cooling capacity (Min)	kW	0,85	0,85	0,98	0,98
Input power heating (Min)	kW	0,19	0,2	0,21	0,23
COP (Max) (1)	W/W	3,5	3,49	3,09	3,02
COP (Min) (1)	W/W	4,21	4,1	4,67	4,26
Heating capacity (Max)	kW	3,6	4,4	7,5	8
Heating capacity (Min)	kW	0,8	0,8	0,98	0,98
Input power cooling (Max)	kW	0,9	1,28	1,86	2,3
Input power cooling (Min)	kW	0,21	0,24	0,25	0,25
EER (Max) (1)	W/W	3,33	3,05	2,9	2,83
EER (Min) (1)	W/W	4,05	3,54	3,92	3,92
Cooling capacity (Max)	kW	3	3,9	5,4	6,5
Input power heating (Max)	kW	1,03	1,26	2,43	2,65
Operating range (Heat - Max)	°C	24	24	24	24
Operating range (Heat - Min)	°C	-15	-15	-15	-15
Operating range (Cool - Max)	°C	43	43	43	43
Elevation difference (in/out) (6)	m	15	15	15	15
Outdoor dimension (Depth) (5)	mm	289	289	299	320
Outdoor dimension (Width) (5)	mm	780	780	824	875
Outdoor dimension (Height) (5)	mm	542	542	619	695
Outdoor sound pressure (Heat -Hi) (4)	dB(A)	49	50	49	50
Outdoor unit		CU-BZ25CKE	CU-BZ35CKE	CU-BZ50CKE	CU-BZ60CKE
Outdoor air flow (Heat)	m³/min	30,4	30,4	32,7	39,2
Outdoor air flow (Cool)	m³/min	30,4	31,1	32,7	42,6
Indoor unit		CS-BZ25CKE	CS-BZ35CKE	CS-BZ50CKE	CS-BZ60CKE
Indoor sound pressure (Heat -Q-Lo) (4)	dB(A)	24	25	34	34
Indoor sound pressure (Heat -Lo) (4)	dB(A)	27	33	37	37
Indoor sound pressure (Heat -Hi) (4)	dB(A)	36	38	44	45
Indoor sound pressure (Cool -Q-Lo) (4)	dB(A)	20	20	34	34
Indoor sound pressure (Cool -Lo) (4)	dB(A)	26	30	37	37
Moisture removal volume	L/h	1,5	1,9	2,8	3,3
Indoor air flow (Heat)	m³/min	10,5	11,4	13,4	13,1
Indoor air flow (Cool)	m³/min	10,0	10,4	12,6	12,8
Indoor connection indoor / outdoor	mm²	4x1,5	4x1,5	4x2,5	4x2,5
Indoor power source	V	230	230	230	230
Annual energy consumption heating (3)	kWh/a	668	800	1 333	1 502
Annual energy consumption cooling (3)	kWh/a	135	178	265	328
Input power cooling (Nominal)	kW	0,68	1,02	1,65	1,98
Pdesign (cooling)	kW	2,5	3,3	5	6
SEER (2)		6,50 A++	6,50 A++	6,60 A++	6,40 A++
Outdoor net weight	kg	24	25	35	42
Outdoor sound pressure (Cool -Hi) (4)	dB(A)	48	48	48	50
Indoor net weight	kg	9	9	9	9
Indoor dimension (Height)	mm	290	290	290	290
Indoor sound pressure (Cool -Hi) (4)	dB(A)	37	38	44	45
SCOP (2)		4,40 A+	4,20 A+	4,20 A+	4,10 A+
Pipe length range	m	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 30
Heating capacity at -7°C	kW	2,35	2,6	4,62	5,19
Kit		KIT-BZ25-CKE	KIT-BZ35-CKE	KIT-BZ50-CKE	KIT-BZ60-CKE
Additional gas amount	g/m	10	10	15	15
Pipe length for additional gas	m	7,5	7,5	10	7,5
Pipe diameter (Gas)	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)	1/2 (12,70)
Pipe diameter (Liquid)	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Indoor dimension (Depth)	mm	214	214	214	214
Indoor dimension (Width)	mm	765	765	765	765
Indoor recommended fuse	A	16	16	16	20
Refrigerant (R32) / CO2 Eq.	kg / T	0,50 / 0,34	0,56 / 0,38	1,03 / 0,70	1,03 / 0,70
EER (Nominal) (1)	W/W	3,68	3,24	3,03	3,03
COP (Nominal) (1)	W/W	4,09	3,72	3,42	3,16
Heating capacity (Nominal)	kW	3,15	3,7	5,4	6,8
Cooling capacity (Nominal)	kW	2,5	3,3	5	6
Operating range (Cool - Min)	°C	-10	-10	-10	-10
Input power heating (Nominal)	kW	0,77	1	1,58	2,15
Pdesign at -10°C	kW	2,1	2,4	4	4,4

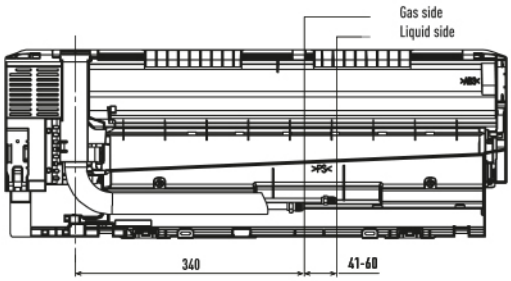
Dimensions

Wall-mounted BZ super-compact

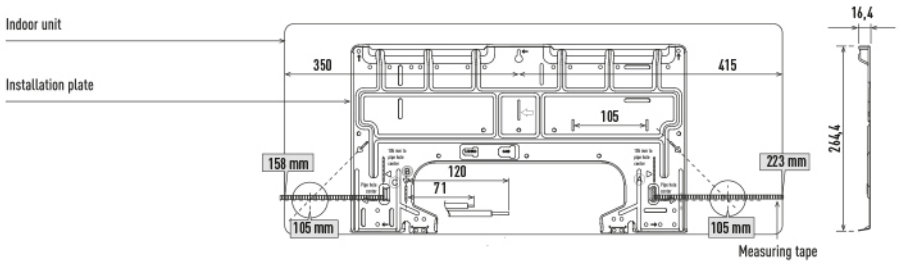




Rear view

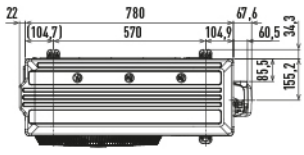


Relative position between the indoor unit and the installation plate

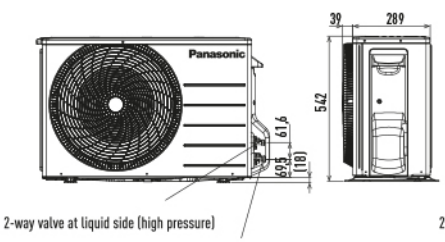


CU-BZ25CKE / CU-BZ35CKE

Top view

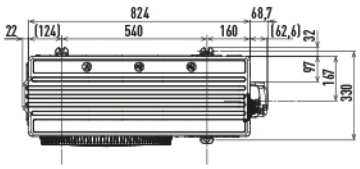


Front view / Side view

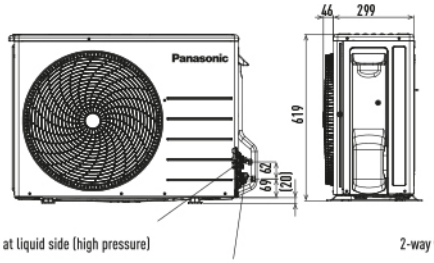


CU-BZ50CKE

Top view

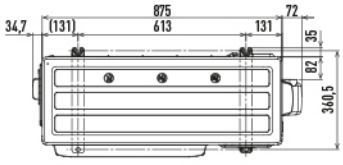


Front view / Side view

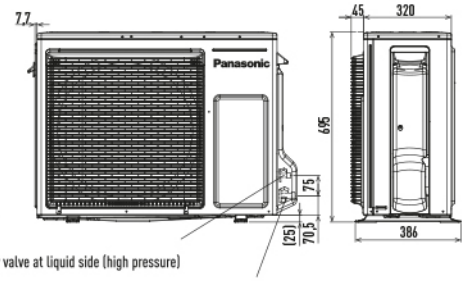


CU-BZ60CKE

Top view



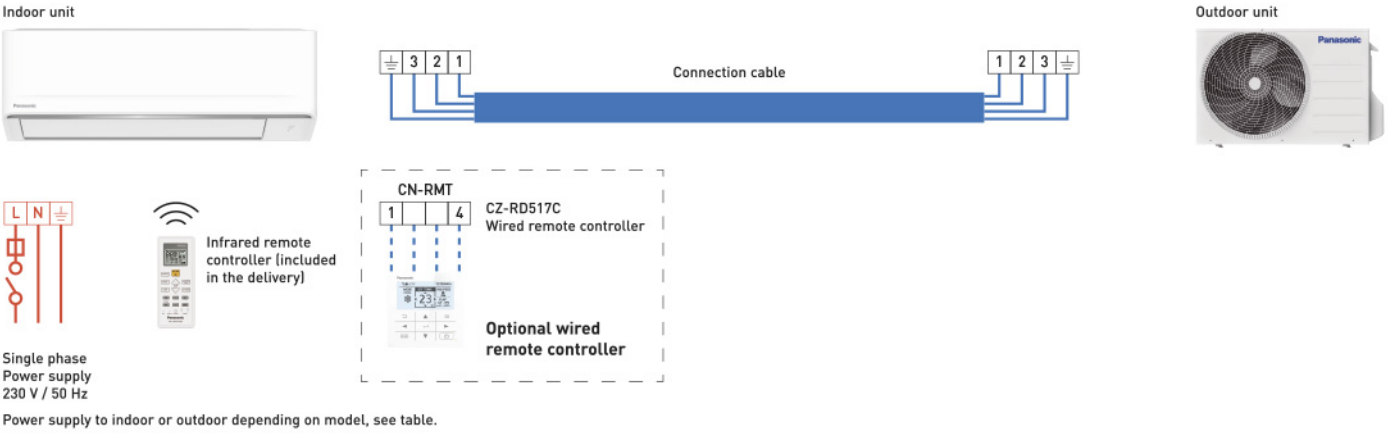
Front view / Side view



Unit: mm

Wiring diagrams

Wall-mounted BZ super-compact kits 1x1



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

Wall-mounted BZ super-compact · R32

Indoor unit	Power supply	Recommended fuse	Power supply cable	Connection indoor / outdoor	Outdoor unit
CS-BZ25CKE	230 V (indoor)	15/16 A	3 x 1,5 mm²	4 x 1,5 mm²	CU-BZ25CKE
CS-BZ35CKE	230 V (indoor)	15/16 A	3 x 1,5 mm²	4 x 1,5 mm²	CU-BZ35CKE
CS-BZ50CKE	230 V (indoor)	16 A	3 x 2,5 mm²	4 x 2,5 mm²	CU-BZ50CKE
CS-BZ60CKE	230 V (indoor)	16 A	3 x 2,5 mm²	4 x 2,5 mm²	CU-BZ60CKE