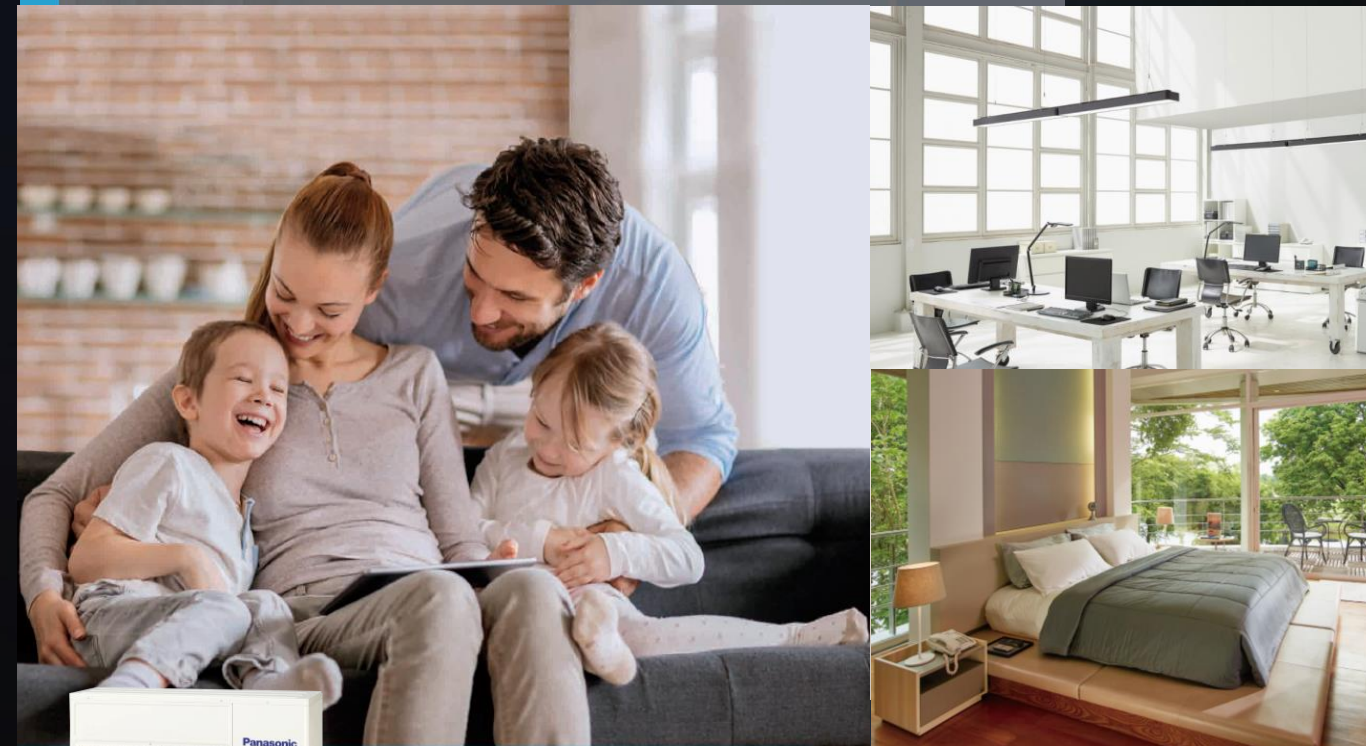


MULTI-SPLIT AIR CONDITIONERS 2020/2021

Panasonic®



- Please read the Installation Instructions carefully before installing the unit, and the Operating Instructions before using it.
- Specifications are subject to change without prior notice.
- The contents of this catalogue are accurate as of October 2020.
- Due to printing considerations, actual colours may vary slightly from those shown.
- All graphics are provided solely for the purpose of illustrating a point.



Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for damage or deterioration in safety due to usage of other refrigerant.

Authorised Dealer



TRUNG TÂM HỖ TRỢ KHÁCH HÀNG - TƯ VẤN MIỄN PHÍ CÁC DỊCH VỤ

Hỗ Trợ Trước và Sau Mua Hàng • Tư Vấn, Hướng Dẫn Sử Dụng Sản Phẩm •
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Panasonic Heating & Cooling Solutions

Global site : aircon.panasonic.com

PRO Club : panasonicproclub.global

 [airconpanasonicglobal](https://www.youtube.com/channel/UC...)

AC-VN-L-20

QUALITY AIR FOR LIFE

INVERTER

Multi-Split Air Conditioning System

Panasonic's multi-split air conditioning systems are designed to provide more spaces saving installation for outdoor units. A neater alternative to preserve the exterior appearance of buildings such as condominiums, single and multi-storey residences.



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<ul style="list-style-type: none"> Features Comparison 	<ul style="list-style-type: none"> Combination Table 	

	Type	Features	Capacity							
			1.6kW	2.0kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW
COOLING & HEATING R32	Wall-Mounted	ANTI-BACTERIAL FILTER	CS-MRZ16WKH-8	CS-MRZ20WKH-8	CS-MRZ25WKH-8	CS-MRZ35WKH-8	CS-MRZ42WKH-8	CS-MRZ50WKH-8	CS-MRZ60WKH-8	CS-MRZ71WKH-8
	Slim Ducted				CS-MZ25WD3H8A	CS-MZ35WD3H8A		CS-MZ50WD3H8A	CS-MZ60WD3H8A	
	4-Way Mini Cassette				CS-MZ25WB4H8A	CS-MZ35WB4H8A		CS-MZ50WB4H8A	CS-MZ60WB4H8A	

	Type	Features	Capacity							
					2.8kW	3.2kW	4.0kW	5.0kW	6.0kW	7.1kW
COOLING ONLY R410A	Wall-Mounted	ANTI-BACTERIAL FILTER			CS-MPS9SKH	CS-MPS12SKH	CS-MPS15SKH	CS-MPS18SKH	CS-MPS24SKH	CS-MPS28SKH
	Slim Ducted				CS-MS9SD3H	CS-MS13SD3H		CS-MS18SD3H	CS-MS24SD3H	

ANTI-BACTERIAL FILTER

Clean Air

The Anti-bacterial filter combines anti-bacteria, anti-virus, anti-allergen and anti-mould protection in one to provide clean air for your loved ones.



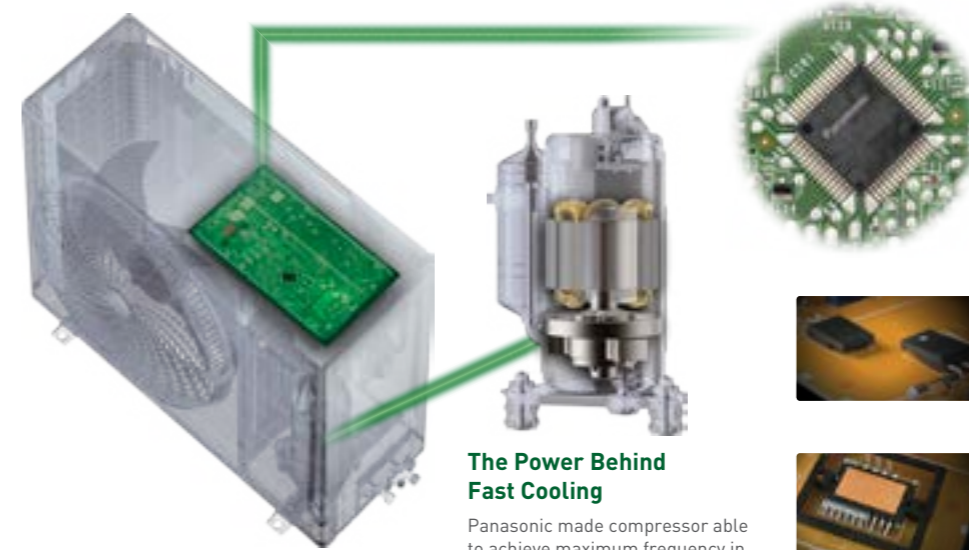
Effectiveness	Target Substance and Substance Name	Mechanism
<p>DEACTIVATES UP TO 99% of filter-captured Bacteria*¹</p>	<p>Anti-bacterial</p> <p>*¹ Bacteria deactivation was certified by Boken Quality Evaluation Institute. Test Report No : 10042459-1 and 10042459-2 Bacteria : Staphylococcus aureus NBRC 12732 : Escherichia coli NBRC 3972</p>	<p>Artificial Enzyme</p> <p>Cell-wall is covered by Artificial Enzyme</p> <p>Bacteria is caught by the filter. Artificial Enzyme will attach to surface of bacteria. Bacteria becomes inactive by preventing its growth.</p> <p>Remark: The above are not actual images of target substance structure. Image drawn is for illustration purpose.</p>
<p>DEACTIVATES UP TO 99% of filter-captured Viruses*²</p>	<p>Anti-virus</p> <p>*² Virus deactivation was certified by Osaka Prefectural Institute of Public Health. Test Report No : 313360397 Virus : Influenza (H3N2) A/Hong Kong</p>	<p>Disinfectant</p> <p>Spike are covered by Disinfectant</p> <p>The virus is caught by the filter. Disinfectant will attach to surface protein of virus. Virus becomes inactive through 'tanning effect' making them harmless.</p> <p>Remark: The above are not actual images of target substance structure. Image drawn is for illustration purpose.</p>
<p>DEACTIVATES UP TO 99% of filter-captured Allergen*³</p>	<p>Anti-allergen</p> <p>*³ Allergen deactivation was certified by Shinshu University. Test Report No : Allergen : Cider Pollen Allergen Cry j1</p>	<p>Artificial Enzyme</p> <p>Allergen loses original properties or characteristic</p> <p>The allergen is caught by the filter. Artificial Enzyme will 'denature' the filter-captured allergen. 'Denatured' allergen will no longer keep its original property as allergen; therefore, it is harmless.</p> <p>When allergen is denatured, the strand of amino acid is "teased" apart hence changing the shape. In this way, allergen will lose its original properties or characteristic as allergen, thus making them harmless.</p> <p>Remark: The above are not actual images of target substance structure. Image drawn is for illustration purpose.</p>
<p>INHIBITS Mould*⁴ Growth</p>	<p>Anti-mould</p> <p>*⁴ Certified by Boken Quality Evaluation Institute. Test Report No : 000366-3 Mould : Aspergillus niger ATCC 6275</p>	<p>The mould will be caught by the filter. Fungicide will attach to surface protein of mould. Fungicide inhibits mould from growing by preventing the cell-wall composition.</p>

*Applicable to CS-MRZ16/20/25/35/42/50/60/71WKH-8 and CS-MPS9/12/15/18/24/28SKH

INVERTER

Energy Saving and Precise Temperature Control

Panasonic's INVERTER reduces power consumption by varying the speed of the compressor according to the temperature changes with the aim of minimising the temperature fluctuations so you can enjoy consistent cooling comfort.



The "BRAIN" of the Inverter - The Micro Computer

Determines the most suitable operation mode as time passes and automatically adjusts power output for maximum comfort.



PAM (Pulse Amplitude Modulation)

Increases compressor voltage rapidly to provide powerful cooling to reach the set



PWM (Pulse Width Modulated Wave)

Stabilises the compressor rotation speed when maintaining the set temperature.

The Power Behind Fast Cooling

Panasonic made compressor able to achieve maximum frequency in the shortest time at start-up, giving you powerful cooling the moment the air conditioner is switched on.

R32 REFRIGERANT

An Environmentally-friendly Refrigerant

HIGHER COOLING CAPACITY

REDUCE ENERGY COSTS

ECO FRIENDLY

R32 has higher cooling capacity thereby increases heat transfer efficiency.

It consumes less energy, helping you to save on electricity costs.

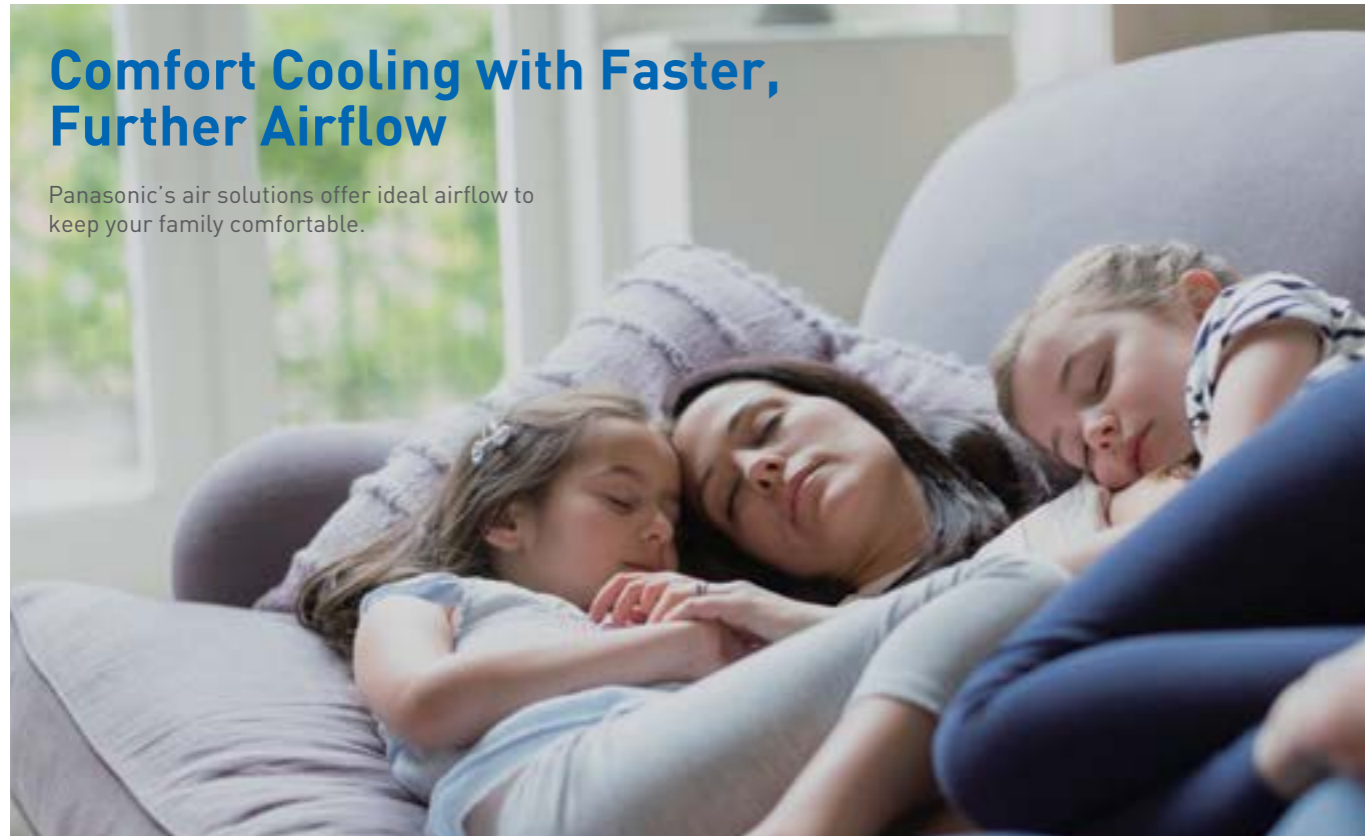
R32 has zero impact on the ozone layer, therefore it's environment friendly.

Refrigerant Properties of R32, R410A, and R22

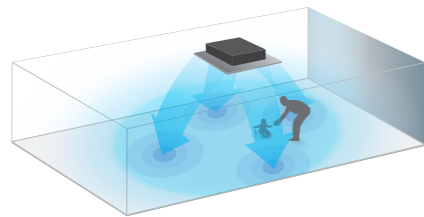
	R32	R410A	R-22
Composition	Single Component	2 Components	Single Component
Chemical Formula	CH ₂ F ₂	CH ₂ F ₂ / CHF ₂ CF ₃	CHClF ₂
Boiling Point (°C)	-51.7	-51.5	-40.8
Ozone Depletion Potential (ODP)	0	0	0.055
Global Warming Potential (GWP)	675	2090	1810
Pressure	1.6 x	1.6 x	1x
Refrigerant Oil	Synthetic Oil (FW50S)	Synthetic Oil (FV50S)	Mineral Oil
Toxicity	None	None	None
Flammability	A2L Mildly flammable	A1 Non-flammable	A1 Non-flammable

Comfort Cooling with Faster, Further Airflow

Panasonic's air solutions offer ideal airflow to keep your family comfortable.

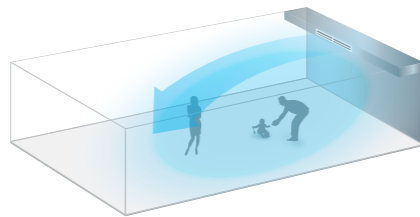


Types of Air Conditioners



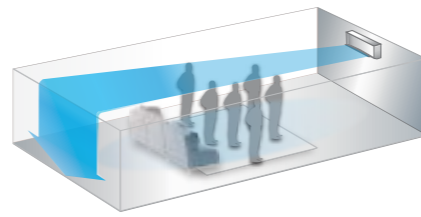
4-way Mini Cassette

Four sides comfortable airflow



Slim Ducted

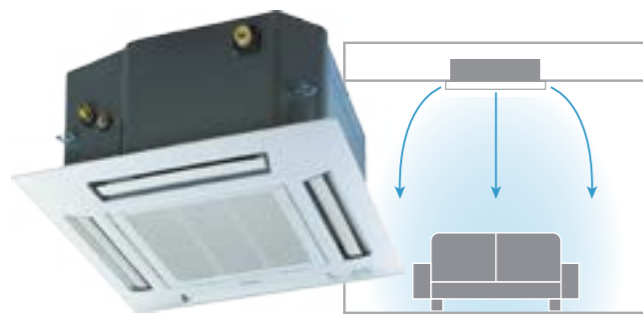
Cool airflow direct to the ceiling



Wall-mounted

Cool air spread across room and to wall for even cooling

4-way Mini Cassette

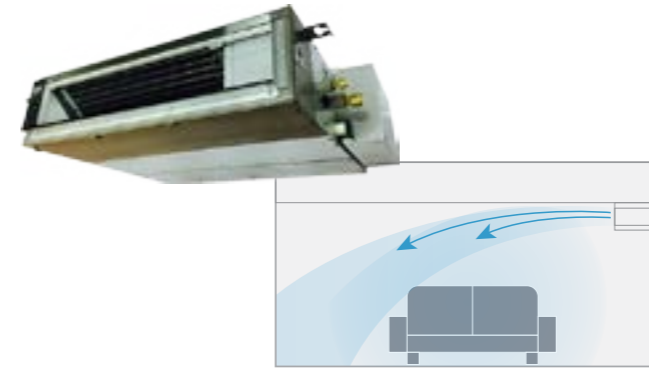


Comfortable Airflow Spread Out From Four Side

Air from the center is sent farther and air blown out from the four sides flaps spreads throughout the room to provide all round cooling comfort.



Slim Ducted



Cool Airflow Direct to the Ceiling

The slim ducted send cool air out over a wide angle and direct to the ceiling. The air then falls down gently into the room like a shower, cooling people in a way that feels natural and refreshing.



Wall Mounted



MRZ Series



MPS Series



Fast Cooling & Shower Cooling

As soon as the air conditioner is turned on, powerful direct airflows cool you immediately, perfect when you return home after a hot day.

After reaching the set temperature, the flap will direct airflow upwards to spread cool air evenly across the room, allowing to falls like a cool shower for endless comfort.



Fast Cooling

The flap directs airflow downward to cool you rapidly



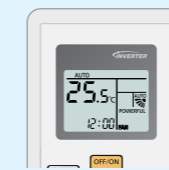
Shower Cooling

The flap directs airflow upwards over a wider area then showers down gently and evenly across the room.

Enjoy Faster Cooling with Just a Push of a Button

POWERFUL Mode will run both the compressor and indoor fan at super high speed, so you get to enjoy powerful cooling.

POWERFUL Mode



Press **POWERFUL/ECO** once to switch ON POWERFUL Mode

POWERFUL Cooling at Startup

POWERFUL Mode cools your room faster the moment you switch on your air conditioner.



AIR CONNECTIVITY

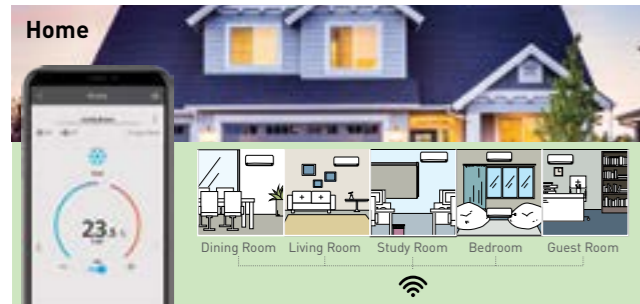
Convenient Centralised Solutions

The **Panasonic Comfort Cloud Application** enables you to conveniently manage and monitor multiple air conditioning units for homes from just 1 mobile device.



SMART Control

Control Multiple AC Units in 1 Location

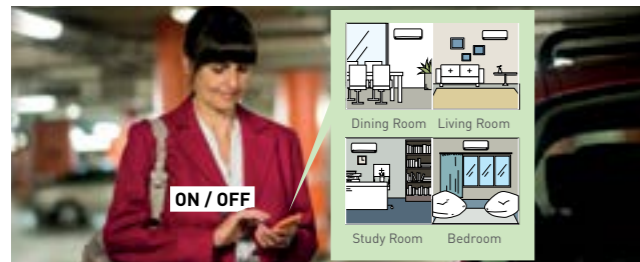


Control Multiple Units in Multiple Locations



SMART Comfort

Remotely Access All AC Features

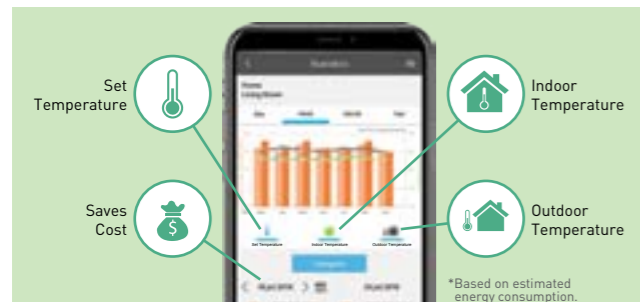


Pre-cool Spaces

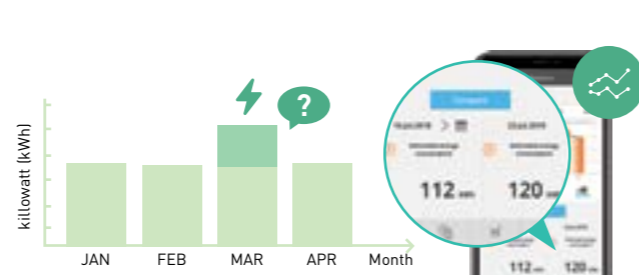


SMART Efficiency

Analyse Energy Usage Patterns

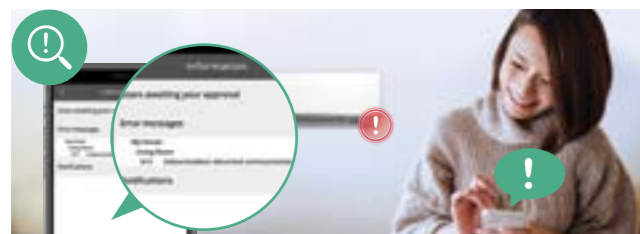


Compare Usage History for Better Budget Planning



SMART Assist

Effortless Troubleshooting



Assign Other Users While You Are Away



Compatible Device and Browsers
 1. iOS 9.0 or above
 2. Android™ 5.0 Lollipop or Later



Video for setting up Panasonic Comfort Cloud Application for network adaptor:



Optional Network Adaptor

Please note: This is not a definitive list of all compatible devices, other similar devices which use supported Operating Systems should also work either via dedicated Apps. Please note that user experience may vary slightly depending on hardware and software combination.

* Wireless LAN Remote Control for Internet Connection required optional network adaptor. * Indoor temperature display and some function are not available through the App for all models.

INSTALLATION & SERVICING

Easy Breezy Installation & Servicing

Panasonic air conditioners are designed to be compact in size, minimalist with matt finishing, enabling them to be easily fitted and seamlessly harmonize with any interior. Its uniquely designed structure enhances durability and yet conveniently eases installation and maintenance routines. The Good Design Award 2020 has recognised its achievement of balancing product design and function for the benefit of the global community.



Easy Removal

User-friendly slider locks



Easy to lock & unlock the front grille.

One-piece front grille



Makes installation & servicing easier when dismantling or assembling.

Simple steps for circuit board (PCB) removal



Remove control board cover.



Disconnect all the connectors.



Pull out main PCB, Screw-free design makes it easy to remove PCB.

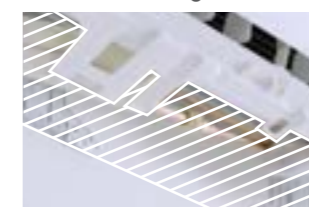
Easy Access

Built-in support holders



Built-in support holder makes it easy to securely hold the indoor unit against the wall.

Piping storage



180mm bigger piping space improves work efficiency during installation and servicing.

Easy access to drain hose & piping



More open working spaces provides easy view and unobstructed access to setup drain hose and piping.

Easy wire insertion and connection



Single wire insert tunnel with wider opening provides front visibility and easy wire insertion and connection.

Neat Installation

Stronger installation plate



Stronger & more solid installation plate which provides more stability to better support indoor units.

Screw holders for uneven surfaces



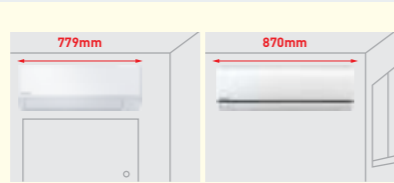
Screw Holders for Uneven Surface

Ensures indoor units fit well on the wall without any gaps.

* Applicable to STANDARD REVERSE CYCLE INVERTER (2.50kW - 5.00kW) and COOLING ONLY INVERTER (2.50kW - 5.00kW) only.

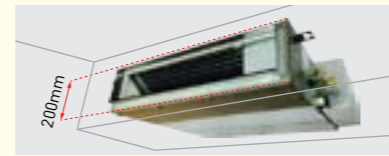
Fit Perfectly into Various Interior and Exterior

Panasonic's offers wide range of indoor and outdoor units to match your interior and exterior.



Compact design fit perfectly anywhere

The wall-mounted designed to be compact in size allow it easily fitted with any interior either above the door, close to ceiling or close to wall.



Slim and compact, this unit require less ceiling space

With 200mm height of slim ducted unit, it allows installation in very narrow ceiling space.



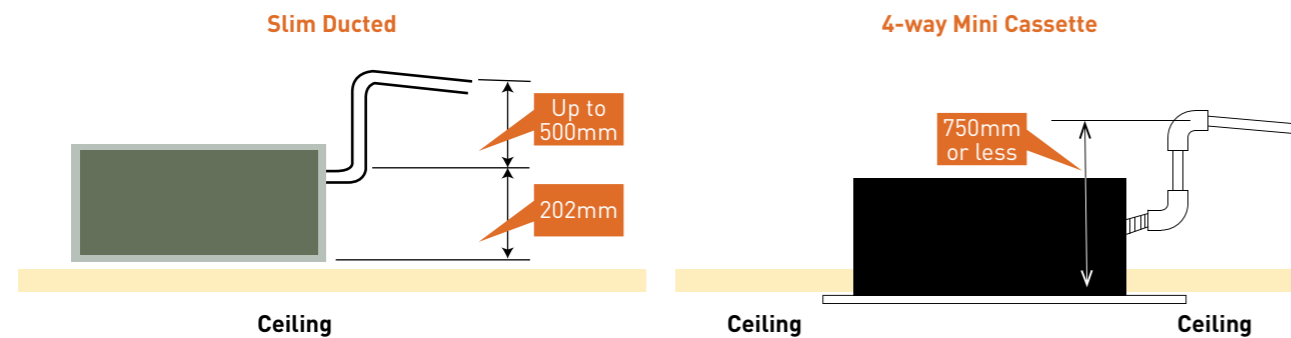
Flat Horizontal design, provide neat fit in the ceiling

The flat horizontal design of 4-way mini cassette allows it to protrude only 30mm from the ceiling to blend naturally into a variety of interior.



Built-in Drain Pump

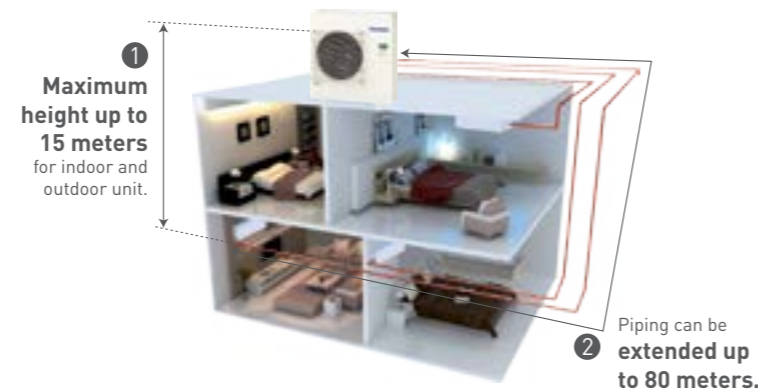
Using a high-lift built-in drain pump, drain piping can be elevated up to 702mm (slim ducted) or 750mm (mini cassette) from the base of the unit.



Long Piping Length Up to 80 meters

The Multi-split System Accommodates Long Pipelines Up to 80 Meters

- Flexible arrangement and installation of indoor and outdoor units based on the room condition, location and installation convenience of the site.



* Applicable to CU-52100WBH-8 only.

Highly Durable Outdoor Unit for Corrosion Resistance

Panasonic's outdoor unit provides high level durability for an extended time under a wide range of conditions to achieve excellent performance.

Operating Temperature Range
-15°C ~ +46°C*



Blue Fin Condenser



- Improves durability
- Protects condenser against corrosion from air, Water and other corrosive
- Anti-rust

Copper Tube Condenser



- Better heat transfer
- Higher cooling capacity
- Easy to clean and maintain

Corrosion Resistant Outdoor Coating

- Outdoor unit layered with multiple type of protection coatings
- Withstand salty air and rain exposure
- Resist corrosion



Water Resistant PCB

- Contact sections on Printed Circuit Board (PCB) are resin-potted
- Prevent adverse effects by unlikely contact with droplets of water



* Applicable to R32 COOLING & HEATING MULTI-SPLIT AIR CONDITIONING SYSTEM only.

Why Panasonic Multi-Split Air Conditioning System



Compact and Lightweight Design to Fit Every Building Type

The multi-split system offers greater installation versatility and space-saving choices for condominium with limited free space.



Offer Wide Ranges in Multi-split System

Full flexibility of multi-split range from 1.6kW to 7.1kW for 5 indoor units with one outdoor unit.

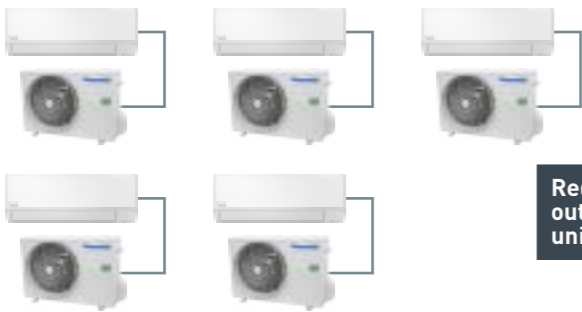
Space-Saving

Space-saving Installation with Less Outdoor Units Required

As 1 outdoor unit is able to connect up to 5 indoor units, this provide flexible customisation according to the layout of your house.

Single-Split

1 Outdoor Unit Connect to 1 Indoor Unit



Multi Split

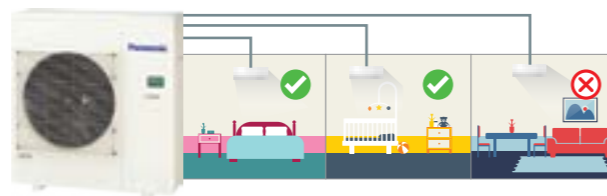
1 Outdoor Unit Connect Up to 5 Indoor Units



Independent Operation Control

Outdoor Unit Connects to Each Indoor Unit Independently

Able to adjust the operation settings for each indoor unit separately. If one indoor unit is malfunctions, other indoor units can continue to operate by provide cooling comfort to the rooms.



Wall-mounted



CS-MRZ16WKH-8 (1.6kW) / CS-MRZ20WKH-8 (2.0kW) / CS-MRZ25WKH-8 (2.5kW) / CS-MRZ35WKH-8 (3.5kW) / CS-MRZ42WKH-8 (4.2kW) / CS-MRZ50WKH-8 (5.0kW)



Wireless Remote Controller Included



CZ-RD514C Wired Remote Controller (Optional)

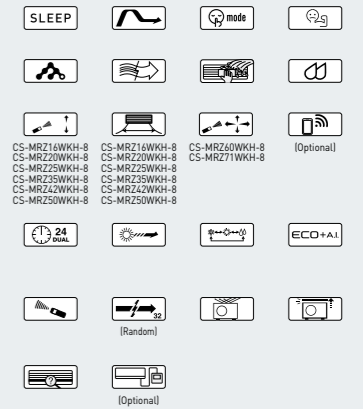


Network Adaptor (Optional)



ANTI-BACTERIAL FILTER

Features



CS-MRZ60WKH-8 (6.0kW) / CS-MRZ71WKH-8 (7.1kW)

Slim Ducted



CS-MZ25WD3H8A (2.5kW) / CS-MZ35WD3H8A (3.5kW) / CS-MZ50WD3H8A (5.0kW) / CS-MZ60WD3H8A (6.0kW)



Wired Remote Controller Included



Network Adaptor (Optional)



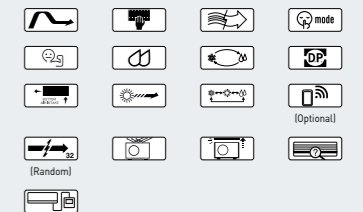
Wireless Remote Controller (Optional)



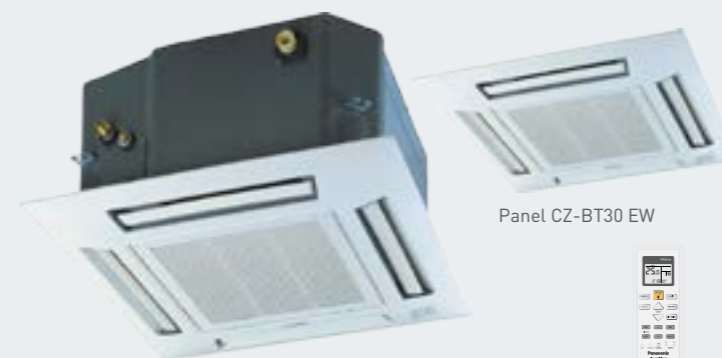
Receiver (CS-RL511D) (Optional)



Features



4-way Mini Cassette



Panel CZ-BT30 EW

CS-MZ35WB4H8A (3.5kW) / CS-MZ50WB4H8A (5.0kW) / CS-MZ60WB4H8A (6.0kW)



Wireless Remote Controller Included



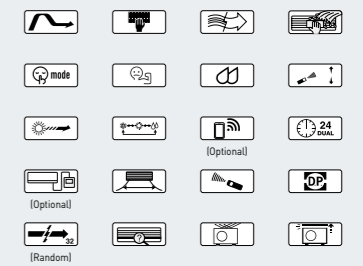
CZ-RD52CP Wired Remote Controller (Optional)



Network Adaptor (Optional)



Features



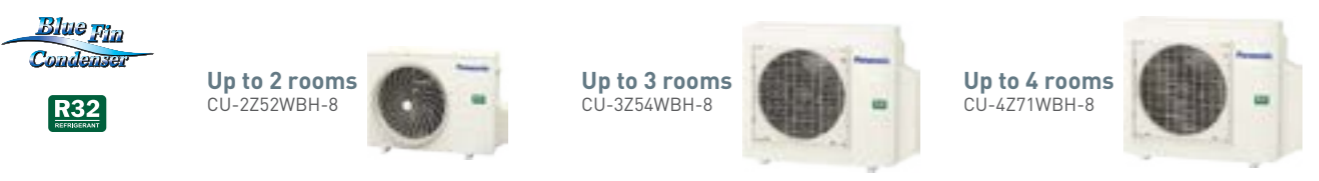
*5 Wireless LAN Remote Control for Internet Connection required optional network adaptor. Indoor temperature display and some function are not available through the App for all models.

Connection of Outdoor and Indoor Units

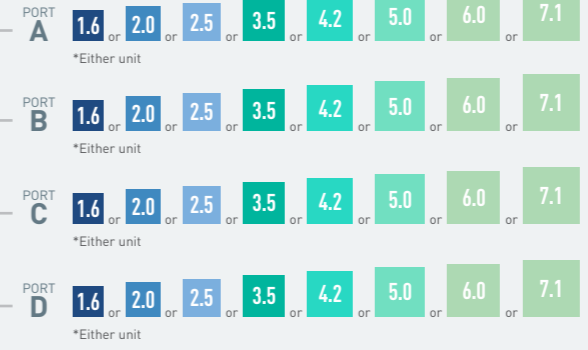
Models	Indoor Units: Possible Combination Patterns (Must be within capacity range)	Maximum Connectable Indoor Unit kW	Indoor unit combination			
			Capacity (kW class)	Wall-Mounted	Slim Ducted	Mini Cassette
CU-2Z52WBH-8  5.2kW ⁴		7.7kW	1.6	•		
			2.0	•		
			2.5	•	•	•
			3.5	•	•	•
			4.2	•		
			5.0	•	•	•
Dimensions (H x W x D) : 619 x 824 (+70) x 299 mm / Weight : 39 kg *At least two indoor units must be connected.						
CU-3Z54WBH-8  5.4kW ⁴		9.5kW	1.6	•		
			2.0	•		
			2.5	•	•	•
			3.5	•	•	•
			4.2	•		
			5.0	•	•	•
Dimensions (H x W x D) : 795 x 875 (+95) x 320 mm / Weight : 71 kg *At least two indoor units must be connected.						
CU-4Z71WBH-8  7.1kW ⁴		11.5kW	1.6	•		
			2.0	•		
			2.5	•	•	•
			3.5	•	•	•
			4.2	•		
			5.0	•	•	•
Dimensions (H x W x D) : 795 x 875 (+95) x 320 mm / Weight : 71 kg *At least two indoor units must be connected.						

⁴To enable demand response management, an optional accessory needs to be installed [CZ-CAP2]






Outdoor



Connection of Outdoor and Indoor Units

Models	Indoor Units: Possible Combination Patterns (Must be within capacity range)	Maximum Connectable Indoor Unit kW	Indoor unit combination			
			Capacity (kW class)	Wall-Mounted	Slim Ducted	Mini Cassette
CU-4Z80WBH-8  8.0kW ⁴		14.7kW	1.6	•		
			2.0	•		
			2.5	•	•	•
			3.5	•	•	•
			4.2	•		
			5.0	•	•	•
			6.0	•	•	•
			7.1	•		
Dimensions (H x W x D) : 999 x 940 (+70) x 340 mm / Weight : 80 kg *At least two indoor units must be connected.						
CU-5Z100WBH-8  10.0kW ⁴		18.3kW	1.6	•		
			2.0	•		
			2.5	•	•	•
			3.5	•	•	•
			4.2	•		
			5.0	•	•	•
			6.0	•	•	•
			7.1	•		
Dimensions (H x W x D) : 795 x 875 (+95) x 320 mm / Weight : 81 kg *At least two indoor units must be connected.						

⁴To enable demand response management, an optional accessory needs to be installed [CZ-CAP2]

Accessories				
				
CZ-MA1P	CZ-MA2P	CZ-MA3P	CZ-CAPR1	CZ-TACG1
¹ CZ-MA1P is to be used to reduce the connection size on the indoor unit from 1/2" to 3/8".	² CZ-MA2P is to be used to increase the connection size on the outdoor unit from 3/8" to 1/2".	³ CZ-MA3P is to be used to reduce the connection size on the indoor unit from 5/8" to 1/2".	*RAC Interface Adaptor	⁴ Network Adaptor (Optional)

Outdoor



Indoor Units

Cooling
Heating

Model		WALL-MOUNTED								
		CS-MRZ16WKH-8	CS-MRZ20WKH-8	CS-MRZ25WKH-8	CS-MRZ35WKH-8	CS-MRZ42WKH-8	CS-MRZ50WKH-8	CS-MRZ60WKH-8	CS-MRZ71WKH-8	
Capacity	Cooling	kW	1.6	2.0	2.5	3.5	4.2	5.0	6.0	7.1
		Heating	2.6	3.2	3.6	4.5	5.0	5.3	8.5	8.7
	Cooling	Btu/h	5,460	6,820	8,530	11,900	14,300	17,100	20,500	24,200
		Heating	8,870	10,900	12,300	15,300	17,100	18,100	29,000	29,700
Power Source		Single Phase, 220V - 240V, 50Hz								
Sound Pressure Level (H/L)	Cooling	dB(A)	41 / 27	42 / 27	42 / 27	46 / 28	46 / 33	46 / 36	48 / 38	51 / 39
	Heating	41 / 29	42 / 29	42 / 29	46 / 31	46 / 35	46 / 35	48 / 38	51 / 39	
Air Circulation (H)	Cooling	/min (cfm)	11.0 (390)	11.3 (400)	11.0 (390)	11.6 (410)	11.6 (410)	12.8 (455)	21.2 (750)	23.1 (815)
	Heating	11.6 (410)	11.9 (420)	12.0 (425)	12.1 (430)	12.1 (430)	13.5 (475)	21.2 (750)	23.7 (835)	
Dimension	Height	mm	290	290	290	290	290	290	302	302
	Width	mm	779	779	779	779	779	779	1,102	1,102
	Depth	mm	209	209	209	209	209	209	244	244
Net Weight	kg	8	8	8	8	8	8	13	13	
Refrigerant Pipe Diameter	Liquid Side	mm	∅ 6.35	∅ 6.35	∅ 6.35	∅ 6.35	∅ 6.35	∅ 6.35	∅ 6.35	∅ 6.35
	Gas Side	mm	∅ 9.52	∅ 9.52	∅ 9.52	∅ 9.52	∅ 9.52 ^{*1}	∅ 9.52 ^{*1}	∅ 12.70 ^{*2}	∅ 12.70 ^{*2,3}
Power Supply		Outdoor								

Model		SLIM DUCTED				4-WAY MINI CASSETTE				
		CS-MZ25WD3H8A	CS-MZ35WD3H8A	CS-MZ50WD3H8A	CS-MZ60WD3H8A	CS-MZ25WB4H8A	CS-MZ35WB4H8A	CS-MZ50WB4H8A	CS-MZ60WB4H8A	
Capacity	Cooling	kW	2.5	3.5	5.0	6.0	2.5	3.5	5.0	6.0
		Heating	3.6	4.5	5.3	8.5	3.6	4.5	5.3	8.5
	Cooling	Btu/h	8,530	11,900	17,100	20,500	8,530	11,900	17,100	20,500
		Heating	12,300	15,300	18,100	29,000	12,300	15,300	18,100	29,000
Power Source		Single Phase, 220V - 240V, 50Hz								
Sound Pressure Level (H/L)	Cooling	dB(A)	35 / 29	35 / 28	41 / 31	43 / 32	36 / 27	36 / 28	40 / 30	45 / 34
	Heating	36 / 29	37 / 29	41 / 32	43 / 34	37 / 30	39 / 30	41 / 31	47 / 34	
Air Circulation (H)	Cooling	/min (cfm)	10.5 (370)	11.2 (395)	15.3 (540)	15.7 (555)	10.5 (370)	10.5 (370)	11.5 (405)	14.2 (500)
	Heating	10.8 (380)	11.2 (395)	15.3 (540)	15.7 (555)	10.8 (380)	11.7 (415)	11.8 (415)	15.2 (535)	
Dimension	Height	mm	200	200	200	200	260	260	260	260
	Width	mm	750	750	750	750	575	575	575	575
	Depth	mm	640	640	640	640	575	575	575	575
Net Weight	kg	19	19	19	19	18	18	18	18	
Refrigerant Pipe Diameter	Liquid Side	mm	∅ 6.35	∅ 6.35	∅ 6.35	∅ 6.35	∅ 6.35	∅ 6.35	∅ 6.35	∅ 6.35
	Gas Side	mm	∅ 9.52	∅ 9.52	∅ 9.52 ^{*1}	∅ 12.70 ^{*2}	∅ 9.52	∅ 9.52	∅ 9.52 ^{*1}	∅ 12.70 ^{*2}
Power Supply		Outdoor								

*1 CZ-MA1P is to be used to reduce the connection size on the indoor unit from 1/2" to 3/8".
 *2 CZ-MA2P is to be used to increase the connection size on the outdoor unit from 3/8" to 1/2".
 *3 CZ-MA3P is to be used to reduce the connection size on the indoor unit from 5/8" to 1/2".

Outdoor Units

Cooling
Heating

Model		(50Hz)	CU-2Z52WBH-8	CU-3Z54WBH-8	CU-4Z71WBH-8	CU-4Z80WBH-8	CU-5Z100WBH-8
Cooling Operation Capacity	(min - max)	kW	5.20 (1.50 - 6.00)	5.40 (1.80 - 7.30)	7.10 (1.90 - 8.80)	8.00 (2.30 - 9.20)	10.00 (2.30 - 11.50)
	(min - max)	Btu/h	17,700 (5,120 - 20,500)	18,400 (6,140 - 24,900)	24,200 (6,480 - 30,000)	27,300 (7,840 - 31,400)	34,100 (7,840 - 39,200)
Power Source		Single Phase 220 - 240V, 50Hz					
Maximum Connectable Capacity	kW	7.7	9.5	11.5	14.7	18.3	
Maximum Connectable Indoors	Units	2	3	4	4	5	
Electrical Data	Running Current	A	6.4 - 5.9	5.4 - 5.1	7.9 - 7.4	9.7 - 8.9	12.8 - 11.8
	Power Input (min - max)	W	1,350 (250 - 1,620)	1,120 (360 - 2,180)	1,660 (340 - 2,470)	1,980 (420 - 2,870)	2,600 (430 - 3,590)
	AEER/EER	W/W	3.79 / 3.85	4.74 / 4.82	4.23 / 4.28	4.00 / 4.04	3.81 / 3.85
EER	(min - max)	W/W	3.85 (6.00 - 3.70)	4.82 (5.00 - 3.35)	4.28 (5.59 - 3.56)	4.04 (5.48 - 3.21)	3.85 (5.35 - 3.20)
	(min - max)	Btu/hW	3.14 (20.47 - 12.62)	16.45 (17.06 - 11.43)	14.60 (19.07 - 12.15)	13.78 (18.70 - 10.95)	13.14 (18.25 - 10.92)
Noise (H)	Sound Pressure Level	dB(A)	51	48	49	51	53
Heating Operation Capacity	(min - max)	kW	6.10 (1.10-7.20)	7.00 (1.60-9.00)	8.50 (3.00-10.70)	9.40 (3.00-11.60)	12.00 (3.40-14.50)
	(min - max)	Btu/h	20,800(3,750-24,600)	23,900(5,460-30,700)	29,000(10,200-36,500)	32,100(10,200-39,600)	40,900(11,600-49,400)
Electrical Data	Running Current	A	6.7 - 6.2	7.3 - 6.8	9.2 - 8.6	10.2 - 9.3	13.1 - 12.1
	Power Input (min - max)	kW	1,430 (210 - 1,900)	1,540 (320 - 2,630)	1,950 (500 - 2,720)	2,030 (500 - 3,420)	2,760 (580 - 4,020)
COP	(min - max)	W/W	4.27 (5.24 - 3.79)	4.55 (5.00 - 3.42)	4.36 (6.00 - 3.93)	4.63 (6.00 - 3.39)	4.35 (5.86 - 3.61)
	(min - max)	Btu/hW	14.57 (17.88 - 12.93)	15.52 (17.06 - 11.67)	14.88 (20.47 - 13.41)	15.80 (20.47 - 11.57)	14.87 (19.99 - 12.32)
Noise (H)	Sound Pressure Level	dB(A)	53	49	51	52	56
Maximum Current	A	11.5	15.2	15.6	19.0	21.3	
Starting Current	A	6.7	7.3	9.2	10.2	13.1	
Compressor Output	W	900	1300	1300	1700	1700	
Dimensions	Height	mm	619	795	795	999	999
	Width	mm	824 (+70)	875 (+95)	875 (+95)	940	940
	Depth	mm	299	320	320	340	340
Net Weight	kg	39	71	72	80	81	
Refrigerant Pipe Diameter	Liquid Side	mm	∅ 6.35	∅ 6.35	∅ 6.35	∅ 6.35	∅ 6.35
	Gas Side	mm	∅ 9.52	∅ 9.52	∅ 9.52	∅ 9.52	∅ 9.52
Pipe Extension **	Chargeless Pipe Length	m	20	30	30	45	45
	Maximum Pipe length	1 Room (m)	20	25	25	25	25
		Total (m)	30	50	60	70	80
	Maximum Elevation Length	m	10	15	15	15	15
Additional Refrigerant Gas	g/m	15	20	20	20	20	
Operating Range	Cooling	Degree (°C)	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heating	Degree (°C)	-15 ~ +24**	-15 ~ +24**	-15 ~ +24**	-15 ~ +24**	-15 ~ +24**

** Additional Gas might be required for some models. Refer to Page 32 for information on Additional Gas.
 *** When pipes are not extended from the standard pipe length, the required amount of refrigerant is already in the unit.

Rating Conditions

	Cooling	Heating
Inside air temperature	27°C DB / 19°C WB	20°C DB
Outside air temperature	35°C DB	7°C DB / 6°C WB

CU-2Z52WBH-8: Only Wall-Mounted Indoor Combination

Table with columns for Indoor Units Capacity, Cooling Operation (Cooling Capacity [kW], Input Power [W], Current [A]), and Heating Operation (Heating Capacity [kW], Input Power [W], Current [A]). Rows include 1 Room and 2 Rooms configurations.

CU-2Z52WBH-8: Free Multi Indoor Combination

Table with columns for Indoor Units Capacity, Cooling Operation (Cooling Capacity [kW], Input Power [W], Current [A]), and Heating Operation (Heating Capacity [kW], Input Power [W], Current [A]). Rows include 1 Room and 2 Rooms configurations.

CU-3Z54WBH-8: Only Wall-Mounted Indoor Combination

Table with columns for Indoor Units Capacity, Cooling Operation (Cooling Capacity [kW], Input Power [W], Current [A]), and Heating Operation (Heating Capacity [kW], Input Power [W], Current [A]). Rows include 1 Room, 2 Rooms, and 3 Rooms configurations.

CU-4Z80WBH-8: Only Wall-Mounted Indoor Combination

Table with columns for Indoor Units Capacity, Cooling Operation (Room A-E, Total, min-max, Rated, min-max, 220V, 240V), and Heating Operation (Room A-E, Total, min-max, Rated, min-max, 220V, 240V). Rows list various room configurations like '25 + 42 + 60'.

CU-4Z80WBH-8: Only Wall-Mounted Indoor Combination

Table with columns for Indoor Units Capacity, Cooling Operation (Room A-E, Total, min-max, Rated, min-max, 220V, 240V), and Heating Operation (Room A-E, Total, min-max, Rated, min-max, 220V, 240V). Rows list various room configurations like '16 + 20 + 25 + 25'.

CU-4Z80WBH-8: Only Wall-Mounted Indoor Combination

Indoor Units Capacity	COOLING OPERATION										HEATING OPERATION																						
	Cooling Capacity (kW)					Input Power (W)					Current (A)					Heating Capacity (kW)					Input Power (W)					Current (A)							
	Room A	Room B	Room C	Room D	Room E	Total	min - max	Rated	min - max	220V	240V	Room A	Room B	Room C	Room D	Room E	Total	min - max	Rated	min - max	220V	240V	Room A	Room B	Room C	Room D	Room E	Total	min - max	Rated	min - max	220V	240V
20 + 20 + 50 + 50	1.14	1.14	2.86	2.86	-	8.00	2.3 - 9.2	1890	590 - 2610	9.3	8.5	1.34	1.34	3.36	3.36	-	9.40	3.0 - 11.6	2000	800 - 3290	10.0	9.2	1.34	1.34	3.36	3.36	-	9.40	3.0 - 11.6	2000	800 - 3290	10.0	9.2
35 + 35 + 35 + 42	1.90	1.90	2.30	2.30	-	8.00	2.3 - 9.2	1870	470 - 2730	9.2	8.4	2.24	2.24	2.24	2.68	-	9.40	3.0 - 11.6	2000	600 - 3340	10.0	9.2	2.24	2.24	2.24	2.68	-	9.40	3.0 - 11.6	2000	600 - 3340	10.0	9.2

CU-4Z80WBH-8: Free Multi Indoor Combination

Indoor Units Capacity	COOLING OPERATION										HEATING OPERATION																						
	Cooling Capacity (kW)					Input Power (W)					Current (A)					Heating Capacity (kW)					Input Power (W)					Current (A)							
	Room A	Room B	Room C	Room D	Room E	Total	min - max	Rated	min - max	220V	240V	Room A	Room B	Room C	Room D	Room E	Total	min - max	Rated	min - max	220V	240V	Room A	Room B	Room C	Room D	Room E	Total	min - max	Rated	min - max	220V	240V
16	1.60	-	-	-	-	1.60	1.3 - 2.3	450	250 - 690	2.4	2.2	2.60	-	-	-	-	2.60	1.2 - 3.2	700	290 - 1060	3.5	3.2	2.60	-	-	-	-	2.60	1.2 - 3.2	700	290 - 1060	3.5	3.2
71	7.10	-	-	-	-	7.10	2.0 - 7.2	2580	370 - 2820	12.2	11.2	8.70	-	-	-	-	8.70	1.4 - 9.2	2650	380 - 2820	12.8	11.7	8.70	-	-	-	-	8.70	1.4 - 9.2	2650	380 - 2820	12.8	11.7

CU-4Z80WBH-8: Free Multi Indoor Combination

Indoor Units Capacity	COOLING OPERATION										HEATING OPERATION																						
	Cooling Capacity (kW)					Input Power (W)					Current (A)					Heating Capacity (kW)					Input Power (W)					Current (A)							
	Room A	Room B	Room C	Room D	Room E	Total	min - max	Rated	min - max	220V	240V	Room A	Room B	Room C	Room D	Room E	Total	min - max	Rated	min - max	220V	240V	Room A	Room B	Room C	Room D	Room E	Total	min - max	Rated	min - max	220V	240V
16 + 60	1.60	6.00	-	-	-	7.60	2.3 - 8.5	2790	320 - 3590	14.0	12.8	1.98	7.42	-	-	-	9.40	2.2 - 10.0	2660	330 - 3450	13.1	12.0	1.98	7.42	-	-	-	9.40	2.2 - 10.0	2660	330 - 3450	13.1	12.0
71 + 71	4.00	4.00	-	-	-	8.00	2.3 - 8.6	2380	380 - 2900	11.9	10.9	4.70	4.70	-	-	-	9.40	2.2 - 10.5	2380	310 - 3320	11.7	10.7	4.70	4.70	-	-	-	9.40	2.2 - 10.5	2380	310 - 3320	11.7	10.7

CU-4Z80WBH-8: Free Multi Indoor Combination

Table with columns for Indoor Units Capacity, Cooling Operation (Room A-E, Total, min-max, Rated, Input Power, Current), and Heating Operation (Room A-E, Total, min-max, Rated, Input Power, Current). Rows list various room combinations like 16+42+71, 16+50+50, etc.

CU-4Z80WBH-8: Free Multi Indoor Combination

Table with columns for Indoor Units Capacity, Cooling Operation (Room A-E, Total, min-max, Rated, Input Power, Current), and Heating Operation (Room A-E, Total, min-max, Rated, Input Power, Current). Rows list various room combinations like 35+50+50, 35+50+60, etc.

CU-4Z80WBH-8: Free Multi Indoor Combination

Table for CU-4Z80WBH-8 showing indoor units capacity, cooling operation (cooling capacity, input power, current), and heating operation (heating capacity, input power, current) for 4 rooms. Includes various room combinations like 16+20+50+50, 16+25+35+42, etc.

CU-4Z80WBH-8: Free Multi Indoor Combination

Table for CU-4Z80WBH-8 showing indoor units capacity, cooling operation, and heating operation for 4 rooms, with a different set of room combinations compared to the first table.

CU-5Z100WBH-8: Only Wall-Mounted Indoor Combination

Table for CU-5Z100WBH-8 showing indoor units capacity, cooling operation, and heating operation for 1 room and 2 rooms. Includes combinations like 16, 20, 25 for 1 room and 16+16, 16+20 for 2 rooms.

CU-5Z100WBH-8: Only Wall-Mounted Indoor Combination

Table with columns for Indoor Units Capacity, Cooling Operation (Room A-E, Total, min-max, Rated, Input Power, Current), and Heating Operation (Room A-E, Total, min-max, Rated, Input Power, Current). Rows include configurations like 25+71, 35+35, 16+16+16, etc.

CU-5Z100WBH-8: Only Wall-Mounted Indoor Combination

Table with columns for Indoor Units Capacity, Cooling Operation (Room A-E, Total, min-max, Rated, Input Power, Current), and Heating Operation (Room A-E, Total, min-max, Rated, Input Power, Current). Rows include configurations like 20+25+25, 20+25+35, 25+25+25, etc.

CU-5Z100WBH-8: Only Wall-Mounted Indoor Combination

Table for CU-5Z100WBH-8 (3 and 4 rooms) showing capacity, power, and current for various room configurations.

CU-5Z100WBH-8: Only Wall-Mounted Indoor Combination

Table for CU-5Z100WBH-8 (4 rooms) showing capacity, power, and current for various room configurations.

CU-5Z100WBH-8: Only Wall-Mounted Indoor Combination

Table with 28 columns: Indoor Units Capacity, Cooling Capacity (kW) (Room A-E, Total, min-max, Rated, min-max), Input Power (W) (Rated, min-max, 220V, 240V), Current (A) (220V, 240V), Heating Capacity (kW) (Room A-E, Total, min-max, Rated, min-max), Input Power (W) (Rated, min-max, 220V, 240V), Current (A) (220V, 240V). Rows include configurations for 4 Rooms and 5 Rooms.

CU-5Z100WBH-8: Only Wall-Mounted Indoor Combination

Table with 28 columns: Indoor Units Capacity, Cooling Capacity (kW) (Room A-E, Total, min-max, Rated, min-max), Input Power (W) (Rated, min-max, 220V, 240V), Current (A) (220V, 240V), Heating Capacity (kW) (Room A-E, Total, min-max, Rated, min-max), Input Power (W) (Rated, min-max, 220V, 240V), Current (A) (220V, 240V). Rows include configurations for 5 Rooms.

CU-5Z100WBH-8: Only Wall-Mounted Indoor Combination

Table with 5 Rooms, detailing cooling and heating capacity, input power, and current for CU-5Z100WBH-8. Columns include Indoor Units Capacity, Cooling Capacity (kW), Input Power (W), Current (A), and Heating Capacity (kW).

CU-5Z100WBH-8: Only Wall-Mounted Indoor Combination

Table with 5 Rooms, detailing cooling and heating capacity, input power, and current for CU-5Z100WBH-8. Columns include Indoor Units Capacity, Cooling Capacity (kW), Input Power (W), Current (A), and Heating Capacity (kW).

CU-5Z100WBH-8: Only Wall-Mounted Indoor Combination

Indoor Units Capacity	COOLING OPERATION										HEATING OPERATION											
	Cooling Capacity (kW)					Input Power (W)		Current (A)			Heating Capacity (kW)					Input Power (W)		Current (A)				
	Room A	Room B	Room C	Room D	Room E	Total	min-max	Rated	min-max	220V	240V	Room A	Room B	Room C	Room D	Room E	Total	min-max	Rated	min-max	220V	240V
20 + 20 + 25 + 25 + 60	1.33	1.33	1.67	1.67	4.00	10.00	2.3 - 11.5	2560	510 - 3380	12.6	11.6	1.60	1.60	2.00	2.00	4.80	12.00	3.4 - 14.5	2760	720 - 3970	13.1	12.1

CU-5Z100WBH-8: Only Wall-Mounted Indoor Combination

Indoor Units Capacity	COOLING OPERATION										HEATING OPERATION											
	Cooling Capacity (kW)					Input Power (W)		Current (A)			Heating Capacity (kW)					Input Power (W)		Current (A)				
	Room A	Room B	Room C	Room D	Room E	Total	min-max	Rated	min-max	220V	240V	Room A	Room B	Room C	Room D	Room E	Total	min-max	Rated	min-max	220V	240V
25 + 25 + 25 + 25 + 35	1.85	1.85	1.85	1.85	2.60	10.00	2.3 - 11.5	2540	430 - 3510	12.5	11.5	2.22	2.22	2.22	2.22	3.12	12.00	3.4 - 14.5	2740	610 - 3990	13.0	12.0

CU-5Z100WBH-8: Free Multi Indoor Combination

Indoor Units Capacity	COOLING OPERATION										HEATING OPERATION											
	Cooling Capacity (kW)					Input Power (W)		Current (A)			Heating Capacity (kW)					Input Power (W)		Current (A)				
	Room A	Room B	Room C	Room D	Room E	Total	min-max	Rated	min-max	220V	240V	Room A	Room B	Room C	Room D	Room E	Total	min-max	Rated	min-max	220V	240V
16	1.60	-	-	-	-	1.60	1.3 - 2.3	450	250 - 690	2.4	2.2	2.60	-	-	-	-	2.60	1.2 - 3.2	700	290 - 1060	3.5	3.2

CU-5Z100WBH-8: Free Multi Indoor Combination

Table with columns for Indoor Units Capacity, Cooling Operation (Room A-E, Total, min-max, Rated, Input Power, Current), and Heating Operation (Room A-E, Total, min-max, Rated, Input Power, Current). Rows include combinations like 25+50, 25+60, 25+71, 35+35, etc.

CU-5Z100WBH-8: Free Multi Indoor Combination

Table with columns for Indoor Units Capacity, Cooling Operation (Room A-E, Total, min-max, Rated, Input Power, Current), and Heating Operation (Room A-E, Total, min-max, Rated, Input Power, Current). Rows include combinations like 20+20+60, 20+20+71, 20+25+25, etc.

CU-5Z100WBH-8: Free Multi Indoor Combination

Table with columns for Indoor Units Capacity, Cooling Operation (Room A-E, Total, min-max, Rated, Input Power, Current), and Heating Operation (Room A-E, Total, min-max, Rated, Input Power, Current). Includes a vertical '5 Rooms' label on the left.

CU-5Z100WBH-8: Free Multi Indoor Combination

Table with columns for Indoor Units Capacity, Cooling Operation (Room A-E, Total, min-max, Rated, Input Power, Current), and Heating Operation (Room A-E, Total, min-max, Rated, Input Power, Current). Includes a vertical '5 Rooms' label on the left.

