

Panasonic

MULTI SPLIT SYSTEM AIR CONDITIONERS



INVERTER



RELIABILITY FACTS

Testing Products to Ensure Reliability & Durability

At Panasonic, we believe that the best air conditioner is one that works quietly and effectively in the background whilst minimising its impact on the environment. People who use our products can look forward to many years of high-quality performance without the need for constant maintenance.

As part of our rigorous design and development process, Panasonic air conditioners undergo a variety of stringent tests to ensure their effectiveness and long-term reliability. Tests for durability, waterproofing, shock resistance and noise are conducted on component parts and on the finished products.

As a result of these painstaking efforts, Panasonic air conditioners meet even the most demanding industrial standards and regulations in every country where they are sold.

Applying advanced technologies that truly make life better, we live by an unparalleled commitment to product quality. Our approach to product development originates in the DNA of Japanese craftsmanship.

Panasonic is building on the Japanese tradition of uncompromising quality control worldwide, developing and manufacturing fine products and delivering them to customers everywhere.

Durability

At Panasonic we know the importance of a long service life with minimal maintenance. That's why we subject our air conditioners to a wide range of stringent durability tests.



Long-Term Durability Test

To ensure durability and stable operation for many years, we conduct a long-term, continuous operation test under conditions that are much more severe than actual operating conditions.



Compressor Reliability Test

After the continuous operation test, we remove the compressor from a selected outdoor unit, disassemble it and examine the internal mechanisms and parts for potential failure. This helps to ensure reliable long-term performance under harsh conditions.



A silicone coated circuit board



Waterproof Test

The outdoor unit, which is subject to rain and wind, complies with IPX4 waterproof specifications. Contact sections on printed circuit boards are silicone coated to prevent adverse effects caused by exposure to water (an unlikely occurrence).

Shock Resistance

Impact and vibration tests ensure that the product's quality and performance at the time of final inspection are maintained upon delivery to the end user.



Drop Test

Packaging has been strengthened to help products withstand large impacts caused by improper handling during transportation. Testing includes conventional vertical drops, along with more severe tests in which the sides, edges, or corners hit the ground first. This ensures that the products' rigidity and shock-absorbing materials are strong enough to prevent damage.

Comfort

To keep every person in the room comfortable, Panasonic designs its air conditioners to work quietly in the background, without making their presence known.



Noise Test

The operating noise of the indoor and outdoor units are measured in a high-performance anechoic chamber. These tests verify that operating noise is low enough to allow the user to talk and sleep comfortably whilst the product is operating.

International Standard Quality

To uphold the company's reputation around the world, Panasonic continuously strives to offer the highest quality with the lowest possible environmental impact.



The strength of the resin material used in a propeller fan is confirmed by a tension test



Reliable Parts That Meet or Exceed Industrial Standards

In every country where they are sold, Panasonic air conditioners comply with all required industrial standards and regulations. In addition, Panasonic conducts stringent testing to ensure the reliability of parts and materials.



RoHS/REACH Compliant Parts

All Panasonic parts and materials comply with Europe's strict RoHS/REACH environmental regulations. During the development and production of parts, stringent inspections are conducted on over 100 materials to ensure that no hazardous substances are included.



Sophisticated Production Process

Panasonic's air conditioner production lines employ state-of-the-art factory automation technologies to ensure products are manufactured efficiently and with uniformly high levels of quality and reliability.

CLASS LEADING FEATURES

Energy Saving Technology

Panasonic combines Inverter Technology and Economy Mode* to create a powerhouse energy saving product. These clever technologies benefit both the environment and your power bill, so your green intentions don't have to prevent you from living a comfortable life.

*Wall-mounted type only.



Cleaner, Healthier Air

As well as a cool, comfortable home, a Panasonic air conditioner provides the ultimate peace of mind. The Anti-Bacterial Filter* eliminates unwanted contaminants to make the air healthier for you and your family.

*Wall-mounted type only.

ALLERGENS		99% ^{*1} DEACTIVATION
BACTERIA		99% ^{*2} DEACTIVATION
VIRUSES		99% ^{*3} DEACTIVATION
MOULD		GROWTH INHIBITION ^{*4}

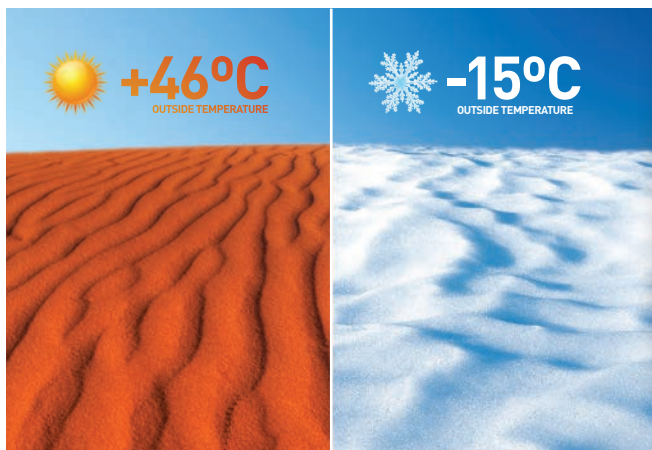
Quiet Operation

Panasonic systems are amongst the quietest in the world, so you can enjoy the comfort of running your air conditioner at night and still have a relaxing sleep. The outdoor unit is also very quiet which means you don't have to worry about keeping your neighbours up either.



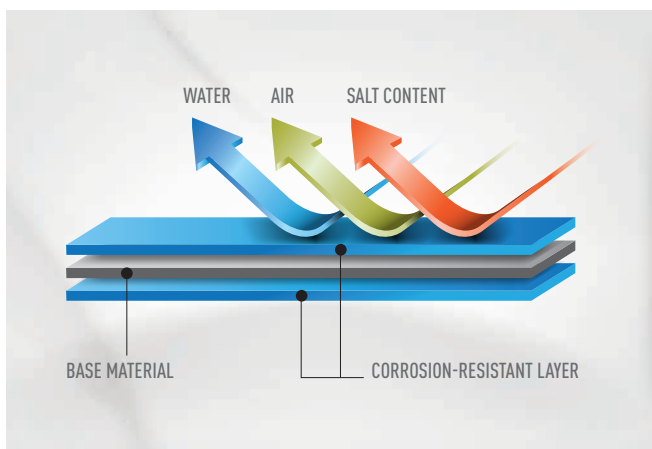
*1 Allergen deactivation was certified by Shinshu University. Allergen: Cider Pollen Allergen Cry j1 *2 Bacteria deactivation was certified by Boken Quality Evaluation Institute. Test Report No: 10042459-1 and 10042459-2 Bacteria: Staphylococcus aureus NBRC 12732; Escherichia coli NBRC 3972 *3 Virus deactivation was certified by Osaka Prefectural Institute of Public Health. Test Report No: 313360397 Virus: Influenza (H3N2) A/Hong Kong *4 Certified by Boken Quality Evaluation Institute. Test Report No: 000366-3 Mould: Aspergillus niger ATCC 6275

Control, Comfort & Reassurance



Aussie Temperatures

Our air conditioning systems boast an outstanding operating temperature range. Cooling operation is possible even when it is a scorching +46°C outside, which is perfect for Australia's hot summer days. The heating operation is designed to operate even when it's a freezing -15°C outside, ensuring even the coldest parts of Australia are comfortable.



Built Tough

Panasonic outdoor units are built to last in the harsh Australian environment. To ensure you will enjoy many years of reliable comfort from your air conditioner, the internal components of the outdoor unit are coated with a special blue coating that protects the unit from the damaging effects of salty air, dust, wind and rain.



Count on Panasonic

Panasonic air conditioners are manufactured to the highest quality standards to ensure years of reliable comfort. We even back our reliability by offering a full 5-year parts and labour warranty.

ULTRA SLIM DUCTED



Ultra Slim Ducted



Wired Remote
Controller
Included

Model No	CS-E9SD3RW CS-E12SD3RW CS-E18SD3RW		
Capacity	2.6kW	3.7kW	5.0kW

- Market-leading Energy Efficiency
- Only 200mm High
- Rear or Bottom Return Air
- Built-in Drain Pump (500mm lift*)
- -15°C to +46°C Operating Range

*Refer to Technical Manual for more details



SINGLE SPLIT SYSTEM

Specifications

Cooling
Heating

240V / 1 Phase / 50 Hz			Ultra Slim Ducted		
			CS-E9SD3RW (CU-E9SD3R)	CS-E12SD3RW (CU-E12SD3R)	CS-E18SD3RW (CU-E18SD3R)
Cooling/Heating Capacity	kW		2.60(0.85~3.20) 3.30(0.85~4.50)	3.70(0.85~4.00) 4.20(0.85~5.10)	5.00(0.90~5.70) 6.10(0.90~7.10)
AEER/EER ACOP/COP	W/W		4.01/4.19 3.80/3.93	3.49/3.59 3.72/3.82	3.26//3.33 3.52/3.59
Electrical Data	Voltage	V	240 240	240 240	240 240
	Running Current	A	2.8 3.8	4.4 4.7	6.5 7.4
	Power Input	kW	0.62(0.23~0.97) 0.84(0.22~1.36)	1.03(0.23~1.15) 1.10(0.22~1.50)	1.50(0.29~1.8) 1.70(0.33~2.05)
Airflow (max @ 10 Pa) - Cooling	L/s		231	241	293
Airflow (max @ 10 Pa) - Heating	L/s		231	241	293
Adjustable Static Pressure Range	Pa		0 ~78	0 ~84	0 ~114
Noise Indoor	dB-A (H/L/Q-Lo)		32/27/24 34/28/25	33/27/24 35/28/25	41/30/27 41/32/29
	Power Level dB		48/43/40 50/44/41	49/43/40 51/44/41	57/46/43 57/48/45
Noise Outdoor	dB-A (H/L/Q-Lo)		46/-/- 46/-/-	49/-/- 50/-/-	48/-/43 49/-/44
	Power Level dB		61/-/- 61/-/-	64/-/- 65/-/-	62/-/57 63/-/58
Dimensions	Height x Width x Depth	mm	200x750x640 (619x824x299)	200x750x640 (619x824x299)	200x750x640 (795x875x320)
Net Weight	kg		19(33)	19(33)	19(52)
Refrigerant Pipe Diameter	Liquid Side	mm/(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Side	mm/(inch)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)
Power Supply			Outdoor	Outdoor	Outdoor
Pipe Length	Min~Max (m)		3~15	3~15	3~30
Pipe Length for Additional Gas	m		7.5	7.5	10
Additional Gas Amount	g/m		20	20	20
Operating Range (Outdoor)	Cooling	Degree (°C)	5~46	5~46	5~46
	Heating	Degree (°C)	-15 ~24	-15 ~24	-15 ~24
Drain Pipe Size	mm		VP-20	VP-20	VP-20

Outdoor



CU-E9SD3R
CU-E12SD3R



CU-E18SD3R



BULKHEAD DUCTED



Bulkhead Ducted



Wired Remote
Controller
Included

Model No	CS-E9QD3RW CS-E12QD3RW CS-E18QD3RW		
Capacity	2.5kW	3.4kW	5.0kW

- Market-leading Energy Efficiency
- Only 370mm Deep
- Easy Installation
- Built-in Drain Pump (200mm lift*)
- -15°C to +46°C Operating Range

*Refer to Technical Manual for more details



SINGLE SPLIT SYSTEM

Specifications

Cooling
Heating

240V / 1 Phase / 50 Hz			Bulkhead Ducted		
			CS-E9QD3RW [CU-E9QD3R]	CS-E12QD3RW [CU-E12QD3R]	CS-E18QD3RW [CU-E18QD3R]
Cooling/Heating Capacity	kW		2.50(0.85~3.10) 3.20(0.85~4.40)	3.40(0.85~4.00) 4.00(0.85~5.10)	5.00(0.90~5.70) 6.10(0.90~7.10)
AEER/EER ACOP/COP	W/W		3.66/3.85 3.51/3.64	3.47/3.58 3.30/3.39	3.18/3.25 3.24/3.30
Electrical Data	Voltage	V	240 240	240 240	240 240
	Running Current	A	3.0 3.9	4.1 5.1	6.6 7.9
	Power Input	kW	0.65(0.23~0.88) 0.88(0.22~1.36)	0.95(0.23~1.18) 1.18(0.22~1.6)	1.54(0.29~1.84) 1.85(0.33~2.20)
Airflow (max @ 10 Pa) - Cooling	L/s		250	256	286
Airflow (max @ 10 Pa) - Heating	L/s		259	263	294
Adjustable Static Pressure	Pa		0~124	0~140	0~147
Noise Indoor	dB-A (H/L/Q-Lo)		32/27/24 34/28/25	33/27/24 35/28/25	42/30/27 42/32/29
	Power Level dB		48/43/40 50/44/41	49/43/40 51/44/41	48/46/43 48/48/45
Noise Outdoor	dB-A (H/L/Q-Lo)		46/-/- 48/-/-	49/- 50/-	48/43 49/44
	Power Level dB		61/-/- 63/-/-	64/- 65/-	62/57 63/58
Dimensions	Height x Width x Depth	mm	235x750x370 (619x824x299)	235x750x370 (619x824x299)	285x750x370 (795x875x320)
Net Weight	kg		17(33)	17(33)	18(52)
Refrigerant Pipe Diameter	Liquid Side	mm/(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Side	mm/(inch)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)
Power Supply			Outdoor	Outdoor	Outdoor
Pipe Length	Min~Max (m)		3~15	3~15	3~30
Pipe Length for Additional Gas	m		7.5	7.5	10
Additional Gas Amount	g/m		20	20	20
Operating Range (Outdoor)	Cooling	Degree (°C)	5~46	5~46	5~46
	Heating	Degree (°C)	-15 ~24	-15 ~24	-15 ~24
Drain Pipe Size	mm		VP-20	VP-20	VP-20

Outdoor



CU-E9QD3R
CU-E12QD3R



CU-E18QD3R



4-WAY MINI CASSETTE



4-Way Mini Cassette



Panel CZ-BT20E



Wireless Remote
Controller
Included



CZ-RD52CP
Wired Remote
Controller
(Optional)

Model No	CS-E9SB4RW CS-E12QB4RW CS-E18QB4RW		
Capacity	2.5kW	3.4kW	4.8kW

- Market-leading Energy Efficiency
- Compact Design (260mm High)
- Easy Installation
- Built-in Drain Pump (600mm lift*)
- -15°C to +46°C Operating Range

*Refer to Technical Manual for more details



SINGLE SPLIT SYSTEM

Specifications

240V / 1 Phase / 50 Hz			4-Way Mini Cassette		
			CS-E9SB4RW (CU-E9SB4R)	CS-E12QB4RW (CU-E12QB4R)	CS-E18QB4RW (CU-E18QB4R)
Cooling/Heating Capacity	kW		2.50(0.85~3.20) 3.20(0.85~4.70)	3.40(0.85~4.00) 4.00(0.85~5.40)	4.80(0.90~5.70) 5.00(0.90~7.10)
AEER/EER ACOP/COP	W/W		4.29/4.55 3.94/4.10	3.73/3.86 3.70/3.81	3.23/3.31 3.24/3.31
Electrical Data	Voltage	V	240 240	240 240	240 240
	Running Current	A	2.5 3.5	3.9 4.6	6.2 6.5
	Power Input	kW	0.55(0.22~0.9) 0.78(0.21~1.36)	0.88(0.22~1.18) 1.05(0.21~1.68)	1.45(0.29~1.93) 1.51(0.33~2.45)
Star Rating			4.0 3.0	2.5 2.5	1.5 2.0
Airflow (Indoor/High)	L/s		175 182	175 195	195 208
Noise Indoor	dB-A (H/L/Q-Lo)		34/26/23 35/28/25	35/26/23 37/28/25	38/28/25 39/29/26
	Power Level dB		50/42/39 51/44/41	51/42/39 53/44/41	54/44/41 55/45/42
Noise Outdoor	dB-A (H/L/Q-Lo)		46/-/- 46/-/- 61/-/-	49/- 50/- 64/-	48/43 49/44 62/57
	Power Level dB		61/-/- 61/-/-	65/- 65/-	63/58 63/58
Dimensions	Height x Width x Depth	mm	260x575x575 (619x824x299)	260x575x575 (619x824x299)	260x575x575 (795x875x320)
Net Weight	kg		18(33)	18(33)	18(52)
Refrigerant Pipe Diameter	Liquid Side	mm/(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Side	mm/(inch)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)
Power Supply			Outdoor	Outdoor	Outdoor
Pipe Length	Min~Max (m)		3~15	3~15	3~30
Pipe Length for Additional Gas	m		7.5	7.5	10
Additional Gas Amount	g/m		20	20	20
Operating Range (Outdoor)	Cooling	Degree (°C)	5~46	5~46	5~46
	Heating	Degree (°C)	-15 ~24	-15 ~24	-15 ~24
Drain Pipe Size	mm		VP-20/VP-25	VP-20/VP-25	VP-20/VP-25

Outdoor



CU-E9SB4R
CU-E12QB4R



CU-E18QB4R



MULTI SPLIT SYSTEM

Advantages of the Inverter Multi Split System

Indoor unit	• A variety of indoor units • Market-leading energy efficiency • Anti-Bacterial Filter (Wall-mounted type only) • Precise control of individual room temperature
Outdoor unit	With a single outdoor unit, control up to 5 indoor units. (Maximum) Inverter control The inverter offers energy-saving efficiency, quick comfort, and flexible power control. Our compressor saves more energy while reducing vibration, noise and unit size. Space-saving 52% less space than five single split types. BIG SPACE SAVINGS Single Split Type CU-Z9RKR CU-5E34QBR



MULTI SPLIT SYSTEM

Wall-Mounted



Wireless Remote Controller Included



CZ-RD514C
Wired Remote Controller
(Optional)

Model No	CS-MRE7QKR	CS-MRE9QKR	CS-MRE12QKR* ¹
Capacity	2.0kW	2.5kW	3.2kW

Model No	CS-MRE18QKR* ¹	CS-MRE24QKR* ^{2*3}
Capacity	5.0kW	7.0kW

Reverse cycle models

Ultra Slim Ducted



Wired Remote Controller Included

Model No	CS-ME7SD3R	CS-E9SD3RW	CS-E12SD3RW* ¹	CS-E18SD3RW* ¹
Capacity	2.0kW	2.5kW	3.2kW	5.0kW

Bulkhead Ducted



Wired Remote Controller Included

Model No	CS-E9QD3RW	CS-E12QD3RW* ¹	CS-E18QD3RW* ¹
Capacity	2.5kW	3.2kW	5.0kW

4-Way Mini Cassette



Panel CZ-BT20E



Wireless Remote Controller Included



CZ-RD52CP
Wired Remote Controller
(Optional)

Model No	CS-E9SB4RW	CS-E12QB4RW* ¹	CS-E18QB4RW* ¹
Capacity	2.5kW	3.2kW	5.0kW

Accessories



CZ-MA1P

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



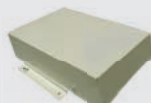
CZ-MA2P

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



CZ-MA3P

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

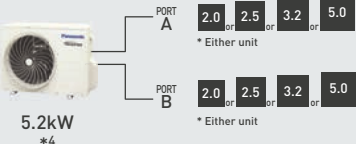
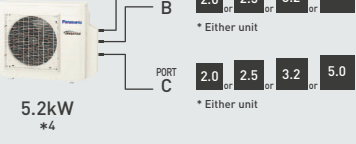
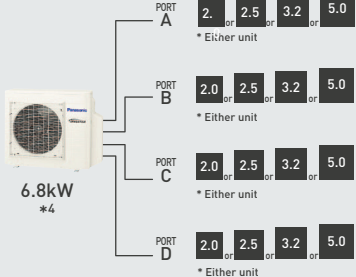


CZ-CAP2*⁴

Demand response module CZ-CAP2.

SPECIFICATIONS

Specifications

Models	Indoor Units: Possible Combination Patterns Must be within capacity range	Indoor Units Combination Range	Refrigerant Pipe Diameter			Pipe Extension					Indoor Unit Combinations				
			Indoor Unit	Liquid Side	Gas Side	Maximum Pipe Length (1 room)	Maximum Pipe Length (Total)	Maximum Chargeless Length	Additional Gas	Maximum Height	Type Capacity [kW class]	Wall- Mounted	Cassette [4-Way]	Ultra Slim Ducted	Bulkhead Ducted
Up to 2 rooms	CU-2E18SBR  5.2kW *4 Dimensions (HxWxD): 619 x 824(+70) x 299 mm Weight: 39 kg * At least two indoor units must be connected.	4.0 to 7.5 kW	Room A	ø 6.35	ø 9.52	20 m	30 m	20 m	15 g/m	10 m	2.0	•		•	
											2.5	•	•	•	•
											3.2	•	•	•	•
			Room B	ø 6.35	ø 9.52						5.0	•	•	•	•
Up to 3 rooms	CU-3E18SBR  5.2kW *4 Dimensions (HxWxD): 795 x 875(+95) x 320 mm Weight: 71 kg * At least two indoor units must be connected.	4.5 to 9.0 kW	Room A	ø 6.35	ø 9.52	25 m	50 m	30 m	20 g/m	15 m	2.0	•		•	
											2.5	•	•	•	•
			Room B	ø 6.35	ø 9.52						3.2	•	•	•	•
			Room C	ø 6.35	ø 9.52						5.0	•	•	•	•
Up to 4 rooms	CU-4E23QBR  6.8kW *4 Dimensions (HxWxD): 795 x 875(+95) x 320 mm Weight: 72 kg * At least two indoor units must be connected.	4.5 to 11.0 kW	Room A	ø 6.35	ø 9.52	25 m	60 m	30 m	20 g/m	15 m	2.0	•		•	
											2.5	•	•	•	•
			Room B	ø 6.35	ø 9.52						3.2	•	•	•	•
			Room C	ø 6.35	ø 9.52						5.0	•	•	•	•
			Room D	ø 6.35	ø 9.52										

*4 To enable demand response management, an optional accessory needs to be installed (CZ-CAP2)

Outdoor

Up to 2 rooms

CU-2E18SBR

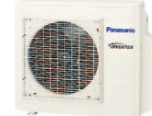
Heating Possible
-15°C
Cooling Possible
46°C



Up to 3 rooms

CU-3E18SBR

Heating Possible
-15°C
Cooling Possible
46°C



Up to 4 rooms

CU-4E23QBR

Heating Possible
-15°C
Cooling Possible
46°C



MULTI SPLIT SYSTEM

Specifications

Models	Indoor Units: Possible Combination Patterns Must be within capacity range	Indoor Units Combination Range	Refrigerant Pipe Diameter			Pipe Extension					Indoor Unit Combinations				
			Indoor Unit	Liquid Side	Gas Side	Maximum Pipe Length (1 room)	Maximum Pipe Length (Total)	Maximum Chargeless Length	Additional Gas	Maximum Height	Type Capacity [kW class]	Wall- Mounted	Cassette (4-Way)	Ultra Slim Ducted	Bulkhead Ducted
Up to 4 rooms	CU-4E27QBR PORT A 2.0 or 2.5 or 3.2 or 5.0 or 7.0 * Either unit PORT B 2.0 or 2.5 or 3.2 or 5.0 or 7.0 * Either unit PORT C 2.0 or 2.5 or 3.2 or 5.0 or 7.0 * Either unit PORT D 2.0 or 2.5 or 3.2 or 5.0 or 7.0 * Either unit 8.0kW *4 Dimensions (HxWxD): 999 x 940 x 340 mm Weight: 80 kg * At least two indoor units must be connected.	4.5 to 13.6 kW	Room A	ø 6.35	ø 9.52	25 m	70 m	45 m	20 g/m	15 m	2.0	●		●	
			Room B	ø 6.35	ø 9.52						2.5	●	●	●	●
			Room C	ø 6.35	ø 9.52						3.2	●	●	●	●
			Room D	ø 6.35	ø 9.52						5.0	●	●	●	●
			Room E	ø 6.35	ø 9.52						7.0	●			
Up to 5 rooms	CU-5E34QBR PORT A 2.0 or 2.5 or 3.2 or 5.0 or 7.0 * Either unit PORT B 2.0 or 2.5 or 3.2 or 5.0 or 7.0 * Either unit PORT C 2.0 or 2.5 or 3.2 or 5.0 or 7.0 * Either unit PORT D 2.0 or 2.5 or 3.2 or 5.0 or 7.0 * Either unit PORT E 2.0 or 2.5 or 3.2 or 5.0 or 7.0 * Either unit 10.0kW *4 Dimensions (HxWxD): 999 x 940 x 340 mm Weight: 81 kg * At least two indoor units must be connected.	4.5 to 17.5 kW	Room A	ø 6.35	ø 9.52	25 m	80 m	45 m	20 g/m	15 m	2.0	●		●	
			Room B	ø 6.35	ø 9.52						2.5	●	●	●	●
			Room C	ø 6.35	ø 9.52						3.2	●	●	●	●
			Room D	ø 6.35	ø 9.52						5.0	●	●	●	●
			Room E	ø 6.35	ø 9.52						7.0	●			
			Room F	ø 6.35	ø 9.52										

*4 To enable demand response management, an optional accessory needs to be installed (CZ-CAP2)

Outdoor

Up to 4 rooms

CU-4E27QBR

Heating Possible
-15°C

Cooling Possible
46°C



Up to 5 rooms

CU-5E34QBR

Heating Possible
-15°C

Cooling Possible
46°C



SPECIFICATIONS

Indoor Units

Cooling
Heating

Model			Wall-Mounted				
			CS-MRE7QKR	CS-MRE9QKR	CS-MRE12QKR	CS-MRE18QKR	CS-MRE24QKR
Capacity	kW		2.0	2.5	3.2	5.0	7.0
Power Source			Single Phase 240V, 50Hz				
Noise (Hi/Lo/S-Lo)	Sound Pressure Level	dB(A)	40/29/26	40/29/26	44/32/29	46/33/30	47/35/32
			40/29/26	40/29/26	44/32/29	46/35/32	47/38/35
	Sound Power Level	dB	56/45/42	56/45/42	60/48/45	62/49/46	63/51/48
			56/45/42	56/45/42	60/48/45	62/51/48	63/54/51
Airflow	L/s		168/172	168/173	182/190	275/298	307/325
Dimensions	Height	mm	290	290	290	290	290
	Width	mm	870	870	870	1070	1070
	Depth	mm	214	214	214	240	240
Net Weight	kg		9	9	9	12	12
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* ¹	9.52* ¹	12.7* ² * ³

Cooling
Heating

Model			Ultra Slim Ducted				Bulkhead Ducted			4-Way Mini Cassette		
			CS-ME7SD3R	CS-E9SD3RW	CS-E12SD3RW	CS-E18SD3RW	CS-E9QD3RW	CS-E12QD3RW	CS-E18QD3RW	CS-E9SB4RW	CS-E12QB4RW	CS-E18QB4RW
Capacity	kW		2.0	2.5	3.2	5.0	2.5	3.2	5.0	2.5	3.2	5.0
Power Source			Single Phase 240V, 50Hz									
Noise (Hi/Lo/S-Lo)	Sound Pressure Level	dB(A)	33/29/26	34/29/26	35/29/26	43/32/29	34/29/26	35/29/26	44/32/29	36/28/25	37/28/25	40/30/27
			35/30/27	36/30/27	37/30/27	43/34/31	36/30/27	37/30/27	44/34/31	37/30/27	39/30/27	41/31/28
Noise (Hi/Lo)	Sound Power Level	dB	49/45/42	50/45/42	51/45/42	59/48/45	50/45/42	51/45/42	60/48/45	52/44/41	53/44/41	56/46/43
			51/46/43	52/46/43	53/46/43	59/50/47	52/46/43	53/46/43	60/50/47	53/46/43	55/46/43	57/47/44
Airflow (Ducted Maximum @ 10 PA) - Cooling	L/s		222	231	241	293	250	256	286	175	175	195
Airflow (Ducted Maximum @ 10 PA) - Heating	L/s		222	231	241	293	259	263	294	182	195	208
Dimensions	Height	mm	200	200	200	200	235	235	285	260	260	260
	Width	mm	750	750	750	750	750	750	750	575	575	575
	Depth	mm	640	640	640	640	370	370	370	575	575	575
Net Weight	kg		19	19	19	19	17	17	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	6.35	6.35
	Gas Side	mm	9.52	9.52	9.52* ¹	9.52* ¹	9.52	9.52* ¹	9.52* ¹	9.52	9.52* ¹	9.52* ¹
Drain Pipe Size	mm		VP-20	VP-20	VP-20	VP-20	VP-20	VP-20	VP-20	VP-20/VP-25	VP-20/VP-25	VP-20/VP-25

*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 3/8" to 1/2".

MULTI SPLIT SYSTEM

Outdoor Units

Cooling
Heating

Model (50Hz)			CU-2E18SBR	CU-3E18SBR	CU-4E23QBR	CU-4E27QBR	CU-5E34QBR
Indoor Units Combination			2.0kW+3.2kW	1.6kW+1.6kW+2.0kW	1.6kW+1.6kW+1.6kW+2.0kW	2.0kW+2.0kW+2.0kW+2.0kW	2.0kW+2.0kW+2.0kW+2.0kW
Power Source			Single Phase 240V, 50Hz				
Cooling Operation	Capacity	kW	5.20(1.50-6.00)	5.20(1.80-7.30)	6.80(1.90-8.80)	8.00(3.00-9.20)	10.00(2.90-11.50)
Maximum Connectable Capacity			7.5	9.0	11.0	13.6	17.5
Maximum Connectable Indoors			2	3	4	4	5
Electrical Data	Running Current	A	6.3	5.5	7.5	9.4	13.2
	Power Input	kW	1.40(0.25-1.85)	1.20(0.36-2.18)	1.68(0.34-2.47)	2.15(0.53-2.87)	2.86(0.55-3.86)
	AEER/EER	W/W	4.19/3.71	3.64/4.33	3.95/4.05	3.65/3.72	3.45/3.50
Noise (Hi/Lo)	Sound Pressure Level	dB(A)	49/-	46/-	48/-	51/-	53/-
	Sound Power Level	dB	64/-	60/-	62/-	67/-	69/-
Heating Operation	Capacity	kW	5.60(1.10-7.20)	6.80(1.60-8.30)	8.50(3.00-10.60)	9.40(4.20-10.60)	12.00(3.40-14.50)
Electrical Data	Running Current	A	5.8	6.8	8.6	9.8	13.2
	Power Input	kW	1.31(0.21-1.8)	1.50(0.32-2.11)	1.95(0.58-2.60)	2.18(0.70-3.06)	2.96(0.53-4.24)
	ACOP/COP	W/W	4.41/4.27	4.19/4.53	4.27/4.36	4.23/4.31	4.00/4.05
Noise (Hi/Lo)	Sound Pressure Level	dB(A)	52/-	48/-	49/-	52/-	54/-
	Sound Power Level	dB	67/-	62/-	63/-	68/-	70/-
Maximum Current			12.0	15.2	15.6	19.0	21.3
Starting Current			6.5	7.0	8.8	10.2	13.6
Compressor Output			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			39	71	72	80	81
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Pipe Length Range (1 room)			3~20	3~25	3~25	3~25	3~25
Maximum Pipe Length (Total) *1			30	50	60	70	80
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
Operating Range	Cooling	Degree (°C)	-10~46	-10~46	-10~46	-10~46	-10~46
	Heating	Degree (°C)	-15~24*1	-15~24*1	-15~24*1	-15~24*1	-15~24*1

*1 Additional Gas might be required for some models. Refer to Page 15 for information on Additional Gas.

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

SPECIFICATIONS

CU-2E18SBR

Indoor Units Capacity		COOLING OPERATION									HEATING OPERATION								
		Cooling Capacity						Running Current	Power Input	EER	Heating Capacity						Running Current	Power Input	COP
		Room A	Room B	Room C	Room D	Room E	Total				Room A	Room B	Room C	Room D	Room E	Total			
		kW	kW	kW	kW	kW	kW				kW	kW	kW	kW	kW	kW			
2 rooms	20+20	2.00	2.00	-	-	-	4.00(1.5~5.6)	4.67	1010(250~1710)	3.96	2.70	2.70	-	-	-	5.40(1.1~7.0)	5.83	1270(210~1770)	4.25
	20+25	2.00	2.50	-	-	-	4.50(1.5~5.8)	5.26	1140(250~1780)	3.95	2.40	3.00	-	-	-	5.40(1.1~7.0)	5.83	1270(210~1770)	4.25
	20+32	2.00	3.20	-	-	-	5.20(1.5~6.0)	6.50	1400(250~1850)	3.71	2.15	3.45	-	-	-	5.60(1.1~7.2)	6.00	1310(210~1800)	4.27
	20+50	1.50	3.70	-	-	-	5.20(1.5~6.0)	6.50	1400(250~1850)	3.71	1.60	4.00	-	-	-	5.60(1.1~7.2)	6.00	1310(210~1800)	4.27
	25+25	2.50	2.50	-	-	-	5.00(1.5~5.8)	6.13	1330(250~1780)	3.76	2.80	2.80	-	-	-	5.60(1.1~7.2)	6.00	1310(210~1800)	4.27
	25+32	2.30	2.90	-	-	-	5.20(1.5~6.0)	6.50	1400(250~1850)	3.71	2.45	3.15	-	-	-	5.60(1.1~7.2)	6.00	1310(210~1800)	4.27
	25+50	1.75	3.45	-	-	-	5.20(1.5~6.0)	6.50	1400(250~1850)	3.71	1.85	3.75	-	-	-	5.60(1.1~7.2)	6.00	1310(210~1800)	4.27
	32+32	2.60	2.60	-	-	-	5.20(1.5~6.0)	6.50	1400(250~1850)	3.71	2.80	2.80	-	-	-	5.60(1.1~7.2)	6.00	1310(210~1800)	4.27

CU-3E18SBR

Indoor Units Capacity		COOLING OPERATION									HEATING OPERATION								
		Cooling Capacity						Running Current	Power Input	EER	Heating Capacity						Running Current	Power Input	COP
		Room A	Room B	Room C	Room D	Room E	Total				Room A	Room B	Room C	Room D	Room E	Total			
		kW	kW	kW	kW	kW	kW				kW	kW	kW	kW	kW	kW			
2 rooms	20+20	2.00	2.00	-	-	-	4.00(1.8~6.2)	4.4	930(330~2010)	4.30	2.90	2.90	-	-	-	5.80(1.4~7.0)	6.7	1430(320~1890)	4.06
	20+25	2.00	2.50	-	-	-	4.50(1.8~6.2)	5.4	1140(330~2010)	3.95	2.84	3.56	-	-	-	6.40(1.4~7.0)	7.7	1660(320~1890)	3.86
	20+32	2.00	3.20	-	-	-	5.20(1.8~6.3)	6.9	1480(330~2020)	3.51	2.62	4.18	-	-	-	6.80(1.4~7.3)	8.1	1740(310~1980)	3.91
	20+50	1.49	3.71	-	-	-	5.20(1.9~6.8)	5.9	1280(340~2040)	4.06	1.94	4.86	-	-	-	6.80(1.4~8.0)	7.4	1590(240~2080)	4.28
	25+25	2.50	2.50	-	-	-	5.00(1.8~6.2)	6.4	1400(330~2010)	3.57	3.40	3.40	-	-	-	6.80(1.4~7.0)	8.4	1790(320~1890)	3.80
	25+32	2.28	2.92	-	-	-	5.20(1.9~6.3)	6.9	1480(350~2020)	3.51	2.98	3.82	-	-	-	6.80(1.4~7.3)	8.1	1740(310~1980)	3.91
	25+50	1.73	3.47	-	-	-	5.20(1.9~6.8)	5.9	1280(340~2040)	4.06	2.27	4.53	-	-	-	6.80(1.4~8.0)	7.4	1590(240~2080)	4.28
	32+32	2.60	2.60	-	-	-	5.20(1.9~6.4)	6.4	1400(350~2020)	3.71	3.40	3.40	-	-	-	6.80(1.4~7.5)	8.0	1730(270~2000)	3.93
	32+50	2.03	3.17	-	-	-	5.20(1.9~6.9)	5.7	1240(360~2040)	4.19	2.65	4.15	-	-	-	6.80(1.4~8.0)	7.3	1570(240~2020)	4.33
3 rooms	20+20+20	1.73	1.73	1.73	-	-	5.19(1.9~7.2)	5.6	1200(390~2040)	4.33	2.26	2.26	2.26	-	-	6.78(1.6~8.3)	6.9	1490(310~2050)	4.55
	20+20+25	1.60	1.60	2.00	-	-	5.20(1.9~7.2)	5.6	1200(390~2040)	4.33	2.09	2.09	2.62	-	-	6.80(1.6~8.3)	6.9	1490(310~2050)	4.56
	20+20+32	1.44	1.44	2.32	-	-	5.20(1.9~7.2)	5.4	1160(390~2000)	4.48	1.89	1.89	3.02	-	-	6.80(1.6~8.3)	6.9	1470(310~2030)	4.63
	20+20+50	1.16	1.16	2.88	-	-	5.20(1.8~7.3)	5.3	1120(420~1860)	4.64	1.51	1.51	3.78	-	-	6.80(1.6~8.3)	6.3	1360(360~1890)	5.00
	20+25+25	1.48	1.86	1.86	-	-	5.20(1.9~7.2)	5.6	1200(390~2040)	4.33	1.94	2.43	2.43	-	-	6.80(1.6~8.3)	6.9	1490(310~2050)	4.56
	20+25+32	1.35	1.69	2.16	-	-	5.20(1.9~7.2)	5.4	1160(390~2000)	4.48	1.76	2.21	2.83	-	-	6.80(1.6~8.3)	6.9	1470(310~2030)	4.63
	20+32+32	1.24	1.98	1.98	-	-	5.20(1.8~7.3)	5.4	1160(390~2000)	4.48	1.62	2.59	2.59	-	-	6.80(1.6~8.3)	6.8	1450(320~2000)	4.69
	25+25+25	1.73	1.73	1.73	-	-	5.19(1.9~7.2)	5.6	1200(390~2040)	4.33	2.26	2.26	2.26	-	-	6.78(1.6~8.3)	6.9	1490(310~2050)	4.55
	25+25+32	1.59	1.59	2.02	-	-	5.20(1.9~7.2)	5.4	1160(390~2000)	4.48	2.07	2.07	2.66	-	-	6.80(1.6~8.3)	6.9	1470(310~2030)	4.63
	25+32+32	1.46	1.87	1.87	-	-	5.20(1.8~7.3)	5.4	1160(390~2000)	4.48	1.92	2.44	2.44	-	-	6.80(1.6~8.3)	6.8	1450(320~2000)	4.69

MULTI SPLIT SYSTEM

CU-4E23QBR

Indoor Units Capacity		COOLING OPERATION							HEATING OPERATION								
		Cooling Capacity					Running Current A	Power Input W	EER W/W	Heating Capacity					Running Current A	Power Input W	COP W/W
		Room A	Room B	Room C	Room D	Total				Room A	Room B	Room C	Room D	Total			
		kW	kW	kW	kW	kW				kW	kW	kW	kW	kW			
2 rooms	20+25	2.00	2.50	-	-	4.50(1.9~6.4)	4.9	1100(270~1940)	4.09	2.71	3.39	-	-	6.10(2.7~9.8)	7.1	1610(640~2930)	3.79
	20+32	2.00	3.20	-	-	5.20(1.9~6.9)	6.4	1440(270~2320)	3.61	2.69	4.31	-	-	7.00(2.7~9.9)	8.4	1910(630~2930)	3.66
	20+50	1.94	4.86	-	-	6.80(2.0~7.5)	9.6	2180(280~2350)	3.12	2.43	6.07	-	-	8.50(2.8~10.2)	10.1	2310(560~2890)	3.68
	25+25	2.50	2.50	-	-	5.00(1.9~6.8)	6.0	1360(270~2310)	3.68	3.20	3.20	-	-	6.40(2.7~9.8)	7.6	1710(640~2930)	3.74
	25+32	2.50	3.20	-	-	5.70(1.9~6.9)	7.6	1720(270~2320)	3.31	3.55	4.55	-	-	8.10(2.7~9.9)	10.1	2310(630~2930)	3.51
	25+50	2.27	4.53	-	-	6.80(1.9~7.5)	9.6	2180(260~2350)	3.12	2.83	5.67	-	-	8.50(2.8~10.2)	10.1	2310(560~2890)	3.68
	32+32	3.20	3.20	-	-	6.40(1.9~7.0)	9.5	2170(270~2280)	2.95	4.25	4.25	-	-	8.50(2.8~10.0)	10.8	2460(640~2930)	3.46
	32+50	2.65	4.15	-	-	6.80(2.0~7.6)	9.2	2090(280~2360)	3.25	3.32	5.18	-	-	8.50(2.8~10.3)	9.9	2250(540~2880)	3.78
	50+50	3.40	3.40	-	-	6.80(2.1~8.1)	8.2	1860(320~2370)	3.66	4.25	4.25	-	-	8.50(2.8~10.5)	9.3	2110(510~2780)	4.03
3 rooms	20+20+20	2.00	2.00	2.00	-	6.00(1.9~8.0)	6.7	1510(270~2410)	3.97	2.83	2.83	2.83	-	8.49(3.3~10.4)	9.5	2160(630~2830)	3.93
	20+20+25	2.00	2.00	2.50	-	6.50(1.9~8.0)	7.8	1770(270~2410)	3.67	2.62	2.62	3.26	-	8.50(3.3~10.4)	9.5	2160(630~2830)	3.94
	20+20+32	1.89	1.89	3.02	-	6.80(1.9~8.0)	8.4	1910(270~2320)	3.56	2.36	2.36	3.78	-	8.50(3.3~10.4)	9.4	2140(620~2770)	3.97
	20+20+50	1.51	1.51	3.78	-	6.80(2.0~8.5)	7.6	1720(340~2380)	3.95	1.89	1.89	4.72	-	8.50(3.2~10.6)	8.7	1990(600~2700)	4.27
	20+25+25	1.94	2.43	2.43	-	6.80(1.9~8.0)	8.4	1910(270~2410)	3.56	2.42	3.04	3.04	-	8.50(3.3~10.4)	9.5	2160(630~2830)	3.94
	20+25+32	1.76	2.21	2.83	-	6.80(1.9~8.0)	8.4	1910(270~2320)	3.56	2.21	2.76	3.53	-	8.50(3.3~10.4)	9.4	2140(620~2770)	3.97
	20+25+50	1.43	1.79	3.58	-	6.80(2.0~8.5)	7.6	1720(340~2380)	3.95	1.79	2.24	4.47	-	8.50(3.2~10.6)	8.7	1990(600~2700)	4.27
	20+32+32	1.62	2.59	2.59	-	6.80(1.9~8.1)	8.2	1860(290~2330)	3.66	2.02	3.24	3.24	-	8.50(3.3~10.5)	9.3	2110(640~2790)	4.03
	20+32+50	1.33	2.13	3.34	-	6.80(2.0~8.5)	7.6	1720(340~2330)	3.95	1.66	2.67	4.17	-	8.50(3.2~10.6)	8.6	1970(600~2670)	4.31
	25+25+25	2.26	2.26	2.26	-	6.78(1.9~8.0)	8.4	1910(270~2410)	3.55	2.83	2.83	2.83	-	8.49(3.3~10.4)	9.5	2160(630~2830)	3.93
	25+25+32	2.07	2.07	2.66	-	6.80(1.9~8.0)	8.4	1910(270~2320)	3.56	2.59	2.59	3.32	-	8.50(3.3~10.4)	9.4	2140(620~2770)	3.97
	25+25+50	1.70	1.70	3.40	-	6.80(2.0~8.5)	7.6	1720(340~2380)	3.95	2.13	2.13	4.24	-	8.50(3.2~10.6)	8.7	1990(600~2700)	4.27
	25+32+32	1.92	2.44	2.44	-	6.80(1.9~8.1)	8.2	1860(290~2330)	3.66	2.38	3.06	3.06	-	8.50(3.3~10.5)	9.3	2110(640~2790)	4.03
	25+32+50	1.59	2.03	3.18	-	6.80(2.0~8.5)	7.6	1720(340~2330)	3.95	1.99	2.54	3.97	-	8.50(3.2~10.6)	8.6	1970(600~2670)	4.31
	32+32+32	2.26	2.26	2.26	-	6.78(1.9~8.2)	7.9	1810(290~2330)	3.75	2.83	2.83	2.83	-	8.49(3.3~10.5)	9.0	2050(630~2760)	4.14
4 rooms	20+20+20+20	1.70	1.70	1.70	1.70	6.80(1.9~8.8)	7.5	1680(340~2380)	4.05	2.12	2.12	2.12	2.12	8.48(3.1~10.6)	8.5	1930(600~2570)	4.39
	20+20+20+25	1.60	1.60	1.60	2.00	6.80(1.9~8.8)	7.5	1680(340~2380)	4.05	2.00	2.00	2.00	2.50	8.50(3.1~10.6)	8.5	1930(600~2570)	4.40
	20+20+20+32	1.48	1.48	1.48	2.36	6.80(1.9~8.8)	7.3	1640(370~2330)	4.15	1.85	1.85	1.85	2.95	8.50(3.0~10.6)	8.4	1910(610~2550)	4.45
	20+20+20+50	1.24	1.24	1.24	3.08	6.80(1.9~8.8)	7.3	1640(420~2200)	4.15	1.55	1.55	1.55	3.85	8.50(3.0~10.6)	8.2	1860(680~2440)	4.57
	20+20+25+25	1.51	1.51	1.89	1.89	6.80(1.9~8.8)	7.5	1680(340~2380)	4.05	1.89	1.89	2.36	2.36	8.50(3.1~10.6)	8.5	1930(600~2570)	4.40
	20+20+25+32	1.40	1.40	1.75	2.25	6.80(1.9~8.8)	7.3	1640(370~2330)	4.15	1.75	1.75	2.19	2.81	8.50(3.0~10.6)	8.4	1910(610~2550)	4.45
	20+20+32+32	1.31	1.31	2.09	2.09	6.80(1.9~8.8)	7.3	1640(370~2330)	4.15	1.63	1.63	2.62	2.62	8.50(3.0~10.6)	8.3	1890(610~2530)	4.50
	20+25+25+25	1.43	1.79	1.79	1.79	6.80(1.9~8.8)	7.5	1680(340~2380)	4.05	1.78	2.24	2.24	2.24	8.50(3.1~10.6)	8.5	1930(600~2570)	4.40
	20+25+25+32	1.33	1.67	1.67	2.13	6.80(1.9~8.8)	7.3	1640(370~2330)	4.15	1.67	2.08	2.08	2.67	8.50(3.0~10.6)	8.4	1910(610~2550)	4.45
	20+25+32+32	1.24	1.56	2.00	2.00	6.80(1.9~8.8)	7.3	1640(370~2330)	4.15	1.55	1.95	2.50	2.50	8.50(3.0~10.6)	8.3	1890(610~2530)	4.50
	25+25+25+25	1.70	1.70	1.70	1.70	6.80(1.9~8.8)	7.5	1680(340~2380)	4.05	2.12	2.12	2.12	2.12	8.48(3.1~10.6)	8.5	1930(600~2570)	4.39
	25+25+25+32	1.59	1.59	1.59	2.03	6.80(1.9~8.8)	7.3	1640(370~2330)	4.15	1.99	1.99	1.99	2.53	8.50(3.0~10.6)	8.4	1910(610~2550)	4.45

SPECIFICATIONS

CU-4E27QBR

Indoor Units Capacity		COOLING OPERATION								HEATING OPERATION								
		Cooling Capacity					Running Current	Power Input	EER	Heating Capacity					Running Current	Power Input	COP	
		Room A	Room B	Room C	Room D	Total				Room A	Room B	Room C	Room D	Total				
		kW	kW	kW	kW	kW				A	W	W/W	kW	kW				kW
2 rooms	20+25	2.00	2.50	-	-	4.50(2.4~5.8)	5.8	1320(380~1930)	3.41	2.71	3.39	-	-	6.10(2.2~8.2)	8.5	1890(400~2890)	3.23	
	20+32	2.00	3.20	-	-	5.20(2.4~5.8)	6.8	1540(370~1860)	3.38	2.65	4.25	-	-	6.90(2.2~8.6)	9.1	2030(380~2920)	3.40	
	20+50	2.00	5.00	-	-	7.00(2.4~8.1)	9.8	2250(350~3100)	3.11	2.57	6.43	-	-	9.00(2.2~10.0)	10.9	2430(330~3310)	3.70	
	20+70	1.78	6.22	-	-	8.00(2.5~8.5)	12.1	2770(380~3340)	2.89	2.09	7.31	-	-	9.40(2.2~10.3)	11.5	2570(330~3490)	3.66	
	25+25	2.50	2.50	-	-	5.00(2.4~5.8)	6.6	1490(380~1930)	3.36	3.25	3.25	-	-	6.50(2.2~8.6)	8.5	1910(400~3000)	3.40	
	25+32	2.50	3.20	-	-	5.70(2.4~6.7)	8.0	1840(370~2480)	3.10	3.20	4.10	-	-	7.30(2.2~9.8)	9.8	2180(380~3520)	3.35	
	25+50	2.50	5.00	-	-	7.50(2.4~8.5)	11.3	2590(350~3490)	2.90	3.13	6.27	-	-	9.40(2.2~10.0)	11.8	2630(330~3310)	3.57	
	25+70	2.11	5.89	-	-	8.00(2.5~8.5)	12.1	2770(380~3340)	2.89	2.47	6.93	-	-	9.40(2.2~10.3)	11.5	2570(330~3490)	3.66	
	32+32	3.20	3.20	-	-	6.40(2.4~7.2)	9.7	2220(370~2760)	2.88	4.05	4.05	-	-	8.10(2.2~10.0)	11.0	2460(370~3560)	3.29	
	32+50	3.12	4.88	-	-	8.00(2.5~8.5)	12.1	2770(380~3340)	2.89	3.67	5.73	-	-	9.40(2.2~10.0)	11.4	2550(320~3280)	3.69	
	32+70	2.51	5.49	-	-	8.00(2.5~8.6)	11.8	2700(380~3340)	2.96	2.95	6.45	-	-	9.40(2.2~10.3)	11.3	2530(320~3380)	3.72	
	50+50	4.00	4.00	-	-	8.00(2.5~8.6)	10.5	2420(380~2950)	3.31	4.70	4.70	-	-	9.40(2.2~10.3)	10.6	2360(320~3170)	3.98	
50+70	3.33	4.67	-	-	8.00(2.5~8.6)	10.2	2350(380~2880)	3.40	3.92	5.48	-	-	9.40(2.2~10.5)	10.5	2340(320~3210)	4.02		
3 rooms	20+20+20	2.00	2.00	2.00	-	6.00(3.0~8.5)	7.2	1630(480~3030)	3.68	2.87	2.87	2.87	-	8.61(3.2~10.4)	9.5	2130(500~3320)	4.04	
	20+20+25	2.00	2.00	2.50	-	6.50(3.0~8.5)	8.1	1870(480~3030)	3.48	2.77	2.77	3.46	-	9.00(3.2~10.4)	10.2	2270(500~3320)	3.96	
	20+20+32	2.00	2.00	3.20	-	7.20(3.0~8.5)	9.2	2110(480~2950)	3.41	2.61	2.61	4.18	-	9.40(3.2~10.4)	10.7	2400(500~3280)	3.92	
	20+20+50	1.78	1.78	4.44	-	8.00(3.0~8.6)	9.7	2220(520~2650)	3.60	2.09	2.09	5.22	-	9.40(3.2~10.5)	10.2	2270(520~3110)	4.14	
	20+20+70	1.45	1.45	5.10	-	8.00(3.0~8.8)	9.7	2220(520~2720)	3.60	1.71	1.71	5.98	-	9.40(3.2~10.5)	10.1	2250(520~3090)	4.18	
	20+25+25	2.00	2.50	2.50	-	7.00(3.0~8.5)	8.9	2050(480~3030)	3.41	2.68	3.36	3.36	-	9.40(3.2~10.4)	10.9	2430(500~3320)	3.87	
	20+25+32	2.00	2.50	3.20	-	7.70(3.0~8.5)	10.0	2290(480~2950)	3.36	2.44	3.05	3.91	-	9.40(3.2~10.4)	10.7	2400(500~3280)	3.92	
	20+25+50	1.68	2.11	4.21	-	8.00(3.0~8.6)	9.7	2220(520~2650)	3.60	1.98	2.47	4.95	-	9.40(3.2~10.5)	10.2	2270(520~3110)	4.14	
	20+25+70	1.39	1.74	4.87	-	8.00(3.0~8.8)	9.7	2220(520~2720)	3.60	1.63	2.04	5.73	-	9.40(3.2~10.6)	10.1	2250(520~3150)	4.18	
	20+32+32	1.90	3.05	3.05	-	8.00(3.0~8.6)	10.5	2420(480~2950)	3.31	2.24	3.58	3.58	-	9.40(3.2~10.4)	10.6	2370(490~3240)	3.97	
	20+32+50	1.57	2.51	3.92	-	8.00(3.0~8.8)	9.7	2220(520~2800)	3.60	1.84	2.95	4.61	-	9.40(3.2~10.5)	10.0	2240(520~3070)	4.20	
	20+32+70	1.31	2.10	4.59	-	8.00(3.0~9.0)	9.4	2150(520~2800)	3.72	1.54	2.47	5.39	-	9.40(3.2~10.6)	10.0	2230(530~3120)	4.22	
	20+50+50	1.34	3.33	3.33	-	8.00(3.0~9.0)	9.1	2090(570~2650)	3.83	1.56	3.92	3.92	-	9.40(3.2~10.6)	9.6	2140(600~2990)	4.39	
	25+25+25	2.50	2.50	2.50	-	7.50(3.0~8.5)	10.1	2310(480~3030)	3.25	3.13	3.13	3.13	-	9.39(3.2~10.4)	10.9	2430(500~3320)	3.86	
	25+25+32	2.44	2.44	3.12	-	8.00(3.0~8.6)	10.8	2490(480~3030)	3.21	2.87	2.87	3.66	-	9.40(3.2~10.4)	10.7	2400(500~3280)	3.92	
	25+25+50	2.00	2.00	4.00	-	8.00(3.0~8.8)	9.7	2220(520~2800)	3.60	2.35	2.35	4.70	-	9.40(3.2~10.5)	10.2	2270(520~3110)	4.14	
	25+25+70	1.67	1.67	4.66	-	8.00(3.0~9.0)	9.7	2220(520~2870)	3.60	1.96	1.96	5.48	-	9.40(3.2~10.6)	10.1	2250(520~3150)	4.18	
	25+32+32	2.24	2.88	2.88	-	8.00(3.0~8.6)	10.5	2420(480~2950)	3.31	2.64	3.38	3.38	-	9.40(3.2~10.5)	10.6	2370(490~3240)	3.97	
	25+32+50	1.87	2.39	3.74	-	8.00(3.0~8.8)	9.7	2220(520~2800)	3.60	2.20	2.81	4.39	-	9.40(3.2~10.5)	10.0	2240(520~3070)	4.20	
	25+32+70	1.57	2.02	4.41	-	8.00(3.0~9.0)	9.4	2150(520~2800)	3.72	1.85	2.37	5.18	-	9.40(3.2~10.6)	10.0	2230(530~3120)	4.22	
	25+50+50	1.60	3.20	3.20	-	8.00(3.0~9.0)	9.1	2090(570~2650)	3.83	1.88	3.76	3.76	-	9.40(3.2~10.6)	9.6	2140(600~2990)	4.39	
	32+32+32	2.66	2.66	2.66	-	7.98(3.0~8.6)	10.2	2350(480~2880)	3.40	3.13	3.13	3.13	-	9.39(3.2~10.5)	10.5	2340(490~3200)	4.01	
	32+32+50	2.25	2.25	3.50	-	8.00(3.0~8.8)	9.4	2150(520~2720)	3.72	2.64	2.64	4.12	-	9.40(3.2~10.6)	9.9	2210(530~3100)	4.25	
	32+32+70	1.91	1.91	4.18	-	8.00(3.0~9.0)	9.4	2150(520~2800)	3.72	2.24	2.24	4.92	-	9.40(3.2~10.6)	9.8	2200(530~3090)	4.27	
	32+50+50	1.94	3.03	3.03	-	8.00(3.0~9.0)	9.1	2090(570~2650)	3.83	2.28	3.56	3.56	-	9.40(3.2~10.6)	9.5	2120(620~2960)	4.43	
	4 rooms	20+20+20+20	2.00	2.00	2.00	2.00	8.00(3.0~9.2)	9.4	2150(530~2870)	3.72	2.35	2.35	2.35	2.35	9.40(4.2~10.6)	9.8	2180(700~3060)	4.31
20+20+20+25		1.88	1.88	1.88	2.36	8.00(3.0~9.2)	9.4	2150(530~2870)	3.72	2.21	2.21	2.21	2.77	9.40(4.2~10.6)	9.8	2180(700~3060)	4.31	
20+20+20+32		1.74	1.74	1.74	2.78	8.00(3.0~9.2)	9.1	2090(570~2800)	3.83	2.04	2.04	2.04	3.28	9.40(4.2~10.6)	9.7	2160(730~3030)	4.35	
20+20+20+50		1.45	1.45	1.45	3.65	8.00(3.0~9.2)	8.8	2030(620~2650)	3.94	1.71	1.71	1.71	4.27	9.40(4.2~10.6)	9.5	2130(810~2960)	4.41	
20+20+20+70		1.23	1.23	1.23	4.31	8.00(3.0~9.2)	8.8	2030(630~2660)	3.94	1.45	1.45	1.45	5.05	9.40(4.2~10.6)	9.5	2120(820~2950)	4.43	
20+20+25+25		1.78	1.78	2.22	2.22	8.00(3.0~9.2)	9.4	2150(530~2870)	3.72	2.09	2.09	2.61	2.61	9.40(4.2~10.6)	9.8	2180(700~3060)	4.31	
20+20+25+32		1.65	1.65	2.06	2.64	8.00(3.0~9.2)	9.1	2090(570~2800)	3.83	1.94	1.94	2.42	3.10	9.40(4.2~10.6)	9.7	2160(730~3030)	4.35	
20+20+25+50		1.39	1.39	1.74	3.48	8.00(3.0~9.2)	8.8	2030(620~2650)	3.94	1.63	1.63	2.04	4.10	9.40(4.2~10.6)	9.5	2130(810~2960)	4.41	
20+20+25+70		1.19	1.19	1.47	4.15	8.00(3.0~9.2)	8.8	2030(630~2660)	3.94	1.39	1.39	1.74	4.88	9.40(4.2~10.6)	9.5	2120(820~2950)	4.43	
20+20+32+32		1.54	1.54	2.46	2.46	8.00(3.0~9.2)	9.1	2090(570~2800)	3.83	1.81	1.81	2.89	2.89	9.40(4.2~10.6)	9.6	2140(740~3000)	4.39	
20+20+32+50		1.31	1.31	2.10	3.28	8.00(3.0~9.2)	8.8	2030(630~2660)	3.94	1.54	1.54	2.47	3.85	9.40(4.2~10.6)	9.4	2110(830~2940)	4.45	
20+25+25+25		1.67	2.11	2.11	2.11	8.00(3.0~9.2)	9.4	2150(530~2870)	3.72	1.99	2.47	2.47	2.47	9.40(4.2~10.6)	9.8	2180(700~3060)	4.31	
20+25+25+32		1.57	1.96	1.96	2.51	8.00(3.0~9.2)	9.1	2090(570~2800)	3.83	1.84	2.30	2.30	2.96	9.40(4.2~10.6)	9.7	2160(730~3030)	4.35	
20+25+25+50		1.33	1.67	1.67	3.33	8.00(3.0~9.2)	8.8	2030(620~2650)	3.94	1.56	1.96	1.96	3.92	9.40(4.2~10.6)	9.5	2130(810~2960)	4.41	
20+25+32+32		1.47	1.83	2.35	2.35	8.00(3.0~9.2)	9.1	2090(570~2800)	3.83	1.72	2.16	2.76	2.76	9.40(4.2~10.6)	9.6	2140(740~3000)	4.39	
20+25+32+50		1.26	1.57	2.02	3.15	8.00(3.0~9.2)	8.8	2030(630~2660)	3.94	1.48	1.85	2.37	3.70	9.40(4.2~10.6)	9.4	2110(830~2940)	4.45	
20+32+32+32		1.37	2.21	2.21	2.21	8.00(3.0~9.2)	9.1	2090(570~2720)	3.83	1.63	2.59							

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Indoor Units Capacity		COOLING OPERATION								HEATING OPERATION									
		Cooling Capacity						Running Current	Power Input	EER	Heating Capacity						Running Current	Power Input	COP
		Room A	Room B	Room C	Room D	Room E	Total				Room A	Room B	Room C	Room D	Room E	Total			
		kW	kW	kW	kW	kW	kW				kW	kW	kW	kW	kW	kW			
2 rooms	20+25	2.00	2.50	-	-	-	4.50(2.4-5.8)	5.8	1240(300-1860)	3.63	2.71	3.39	-	-	-	6.10(2.0-8.2)	8.6	1940(250-2760)	3.14
	20+32	2.00	3.20	-	-	-	5.20(2.4-5.8)	6.8	1460(300-1800)	3.56	2.65	4.25	-	-	-	6.90(2.0-8.6)	9.6	2160(240-2800)	3.19
	20+50	2.00	5.00	-	-	-	7.00(2.4-8.1)	9.9	2160(280-2890)	3.24	2.57	6.43	-	-	-	9.00(2.0-11.0)	12.0	2700(190-3440)	3.33
	20+70	2.00	7.00	-	-	-	9.00(2.5-10.0)	15.9	3460(310-4460)	2.60	2.38	8.32	-	-	-	10.70(2.0-13.0)	14.7	3300(190-4410)	3.24
	25+25	2.50	2.50	-	-	-	5.00(2.4-5.8)	6.6	1410(300-1860)	3.55	3.25	3.25	-	-	-	6.50(2.0-8.6)	9.0	2030(250-2880)	3.20
	25+32	2.50	3.20	-	-	-	5.70(2.4-6.7)	8.1	1740(300-2360)	3.28	3.20	4.10	-	-	-	7.30(2.0-10.1)	10.3	2320(240-3490)	3.15
	25+50	2.50	5.00	-	-	-	7.50(2.4-8.6)	11.5	2490(280-3330)	3.01	3.13	6.27	-	-	-	9.40(2.0-11.0)	13.0	2930(190-3440)	3.21
	25+70	2.50	7.00	-	-	-	9.50(2.5-10.1)	17.8	3880(310-4620)	2.45	2.92	8.18	-	-	-	11.10(2.0-13.0)	15.0	3370(190-4410)	3.29
	32+32	3.20	3.20	-	-	-	6.40(2.4-7.2)	9.7	2100(290-2620)	3.05	4.05	4.05	-	-	-	8.10(2.0-11.0)	11.6	2620(230-3710)	3.09
	32+50	3.20	5.00	-	-	-	8.20(2.5-9.1)	13.3	2890(310-3490)	2.84	3.98	6.22	-	-	-	10.20(2.0-11.9)	13.8	3100(180-3750)	3.29
	32+70	3.14	6.86	-	-	-	10.00(2.5-10.4)	19.4	4220(310-4800)	2.37	3.76	8.24	-	-	-	12.00(2.0-13.8)	16.1	3630(180-4780)	3.31
	50+50	5.00	5.00	-	-	-	10.00(2.5-10.4)	16.6	3610(300-4000)	2.77	6.00	6.00	-	-	-	12.00(2.0-13.8)	15.0	3370(200-4500)	3.56
	50+70	4.17	5.83	-	-	-	10.00(2.5-10.4)	16.0	3470(300-3850)	2.88	5.00	7.00	-	-	-	12.00(2.0-13.8)	14.9	3360(200-4480)	3.57
	70+70	5.00	5.00	-	-	-	10.00(2.5-10.4)	15.3	3320(330-3690)	3.01	6.00	6.00	-	-	-	12.00(2.0-13.8)	14.8	3340(200-4460)	3.59
3 rooms	20+20+20	2.00	2.00	2.00	-	-	6.00(2.9-8.5)	7.2	1540(360-2820)	3.90	2.87	2.87	-	-	-	8.61(2.7-12.3)	10.5	2370(270-3860)	3.63
	20+20+25	2.00	2.00	2.50	-	-	6.50(2.9-8.5)	8.2	1780(360-2820)	3.65	2.77	2.77	-	-	-	9.00(2.7-12.3)	11.2	2530(270-3860)	3.56
	20+20+32	2.00	2.00	3.20	-	-	7.20(2.9-8.5)	9.3	2030(390-2750)	3.55	2.72	2.72	-	-	-	9.80(2.7-12.3)	12.6	2840(270-3760)	3.45
	20+20+50	2.00	2.00	5.00	-	-	9.00(2.9-9.6)	12.3	2670(390-2900)	3.37	2.64	2.64	-	-	-	11.10(2.7-13.6)	14.2	3190(290-4170)	3.72
	20+20+70	1.82	1.82	6.36	-	-	10.00(2.9-10.7)	14.3	3110(390-3620)	3.22	2.18	2.18	-	-	-	12.00(2.7-13.8)	14.2	3190(290-4290)	3.76
	20+25+25	2.00	2.50	2.50	-	-	7.00(2.9-8.5)	9.1	1970(360-2820)	3.55	2.68	3.36	-	-	-	9.40(2.7-12.3)	12.0	2700(270-3860)	3.48
	20+25+32	2.00	2.50	3.20	-	-	7.70(2.9-8.5)	10.2	2220(390-2750)	3.47	2.65	3.31	-	-	-	10.20(2.7-12.9)	13.0	2920(270-4080)	3.49
	20+25+50	2.00	2.50	5.00	-	-	9.50(2.9-10.1)	13.4	2920(390-3250)	3.25	2.52	3.16	-	-	-	12.00(2.7-13.6)	14.5	3260(290-4170)	3.68
	20+25+70	1.74	2.17	6.09	-	-	10.00(2.9-10.7)	14.3	3110(390-3620)	3.22	2.09	2.61	-	-	-	12.00(2.7-13.8)	14.2	3190(290-4290)	3.76
	20+32+32	2.00	3.20	3.20	-	-	8.40(2.9-8.7)	12.0	2610(390-2740)	3.22	2.62	4.19	-	-	-	11.00(2.7-12.9)	13.5	3030(280-4050)	3.63
	20+32+50	1.96	3.14	4.90	-	-	10.00(2.9-10.7)	14.3	3110(390-3700)	3.22	2.35	3.76	-	-	-	12.00(2.7-13.6)	14.1	3170(310-4130)	3.79
	20+32+70	1.64	2.62	5.74	-	-	10.00(2.9-10.7)	14.0	3040(420-3540)	3.29	1.96	3.15	-	-	-	12.00(2.7-13.8)	14.0	3150(310-4250)	3.81
	20+50+50	1.66	4.17	4.17	-	-	10.00(2.9-10.7)	13.0	2830(430-3250)	3.53	2.00	5.00	-	-	-	12.00(2.7-13.8)	13.5	3030(350-4020)	3.96
	20+50+70	1.43	3.57	5.00	-	-	10.00(2.9-10.7)	12.7	2760(460-3180)	3.62	1.71	4.29	-	-	-	12.00(2.7-14.1)	13.4	3010(370-4200)	3.99
	20+70+70	1.24	4.38	4.38	-	-	10.00(2.9-10.7)	12.4	2690(460-3110)	3.72	1.50	5.25	-	-	-	12.00(2.7-14.4)	13.6	3050(380-4310)	3.93
	25+25+25	2.50	2.50	2.50	-	-	7.50(2.9-8.5)	10.2	2220(360-2820)	3.38	3.23	3.23	-	-	-	9.69(2.7-12.3)	12.8	2870(270-3860)	3.38
	25+25+32	2.50	2.50	3.20	-	-	8.20(2.9-8.7)	11.7	2550(390-2810)	3.22	3.20	3.20	-	-	-	10.50(2.7-12.9)	13.3	3000(270-4080)	3.50
	25+25+50	2.50	2.50	5.00	-	-	10.00(2.9-10.7)	14.6	3180(390-3770)	3.14	3.00	3.00	-	-	-	12.00(2.7-13.6)	14.5	3260(290-4170)	3.68
	25+25+70	2.08	2.08	5.84	-	-	10.00(2.9-10.7)	14.3	3110(390-3620)	3.22	2.50	2.50	-	-	-	12.00(2.7-13.8)	14.2	3190(290-4290)	3.76
	25+32+32	2.50	3.20	3.20	-	-	8.90(2.9-9.6)	13.2	2880(390-3250)	3.09	3.18	4.06	-	-	-	11.30(2.7-13.6)	13.8	3100(280-4450)	3.65
	25+32+50	2.34	2.99	4.67	-	-	10.00(2.9-10.7)	14.3	3110(390-3700)	3.22	2.80	3.59	-	-	-	12.00(2.7-13.8)	14.1	3170(310-4270)	3.97
	25+32+70	1.97	2.52	5.51	-	-	10.00(2.9-10.7)	14.0	3040(420-3540)	3.29	2.36	3.02	-	-	-	12.00(2.7-14.1)	14.0	3150(310-4380)	3.81
	25+50+50	2.00	4.00	4.00	-	-	10.00(2.9-10.7)	13.0	2830(430-3250)	3.53	2.40	4.80	-	-	-	12.00(2.7-13.8)	13.5	3030(350-4020)	3.96
	25+50+70	1.72	3.45	4.83	-	-	10.00(2.9-10.7)	12.7	2760(460-3180)	3.62	2.07	4.14	-	-	-	12.00(2.7-14.1)	13.4	3010(370-4200)	3.99
	25+70+70	1.52	4.24	4.24	-	-	10.00(2.9-10.7)	12.4	2690(460-3110)	3.72	1.82	5.09	-	-	-	12.00(2.7-14.4)	13.6	3050(380-4310)	3.93
	32+32+32	3.20	3.20	3.20	-	-	9.60(2.9-10.1)	14.3	3110(390-3540)	3.09	4.00	4.00	-	-	-	12.00(2.7-13.6)	14.9	3350(280-4340)	3.58
	32+32+50	2.81	2.81	4.38	-	-	10.00(2.9-10.7)	14.0	3040(390-3540)	3.29	3.37	3.37	-	-	-	12.00(2.7-13.8)	14.0	3140(310-4230)	3.82
	32+32+70	2.39	2.39	5.22	-	-	10.00(2.9-10.7)	13.7	2970(420-3470)	3.37	2.87	2.87	-	-	-	12.00(2.7-14.1)	13.9	3120(320-4340)	3.85
	32+50+50	2.42	3.79	3.79	-	-	10.00(2.9-10.7)	12.7	2760(460-3180)	3.62	2.90	4.55	-	-	-	12.00(2.7-14.1)	13.6	3050(380-4180)	3.93
	32+50+70	2.10	3.29	4.61	-	-	10.00(2.9-10.7)	12.4	2690(460-3110)	3.72	2.52	3.95	-	-	-	12.00(2.7-14.4)	13.5	3040(380-4270)	3.95
	32+70+70	1.86	4.07	4.07	-	-	10.00(2.9-10.7)	12.4	2700(470-3110)	3.70	2.24	4.88	-	-	-	12.00(2.7-14.4)	13.4	3020(390-4290)	3.97
	50+50+50	3.33	3.33	3.33	-	-	9.99(2.9-10.7)	11.8	2570(510-2970)	3.89	4.00	4.00	-	-	-	12.00(2.7-14.4)	13.2	2980(460-4200)	4.03
	50+50+70	2.94	2.94	4.12	-	-	10.00(2.9-10.7)	11.8	2570(510-2970)	3.89	3.53	3.53	-	-	-	12.00(2.7-14.4)	13.2	2970(480-4190)	4.04
	20+20+20+20	2.00	2.00	2.00	2.00	-	8.00(2.9-10.6)	10.0	2180(420-3770)	3.67	2.88	2.88	-	-	-	11.52(3.4-14.2)	13.0	2930(390-4380)	3.93
	20+20+20+25	2.00	2.00	2.00	2.50	-	8.50(2.9-10.6)	10.9	2380(420-3770)	3.57	2.80	2.80	-	-	-	11.90(3.4-14.2)	13.8	3100(390-4380)	3.84
	20+20+20+32	2.00	2.00	2.00	3.20	-	9.20(2.9-10.6)	12.3	2670(420-3680)	3.45	2.61	2.61	-	-	-	12.00(3.4-14.2)	13.6	3060(400-4340)	3.92
	20+20+20+50	1.82	1.82	1.82	4.54	-	10.00(2.9-10.6)	13.5	2930(470-3360)	3.41	2.18	2.18	-	-	-	12.00(3.4-14.2)	13.3	2990(480-4160)	4.01
	20+20+20+70	1.54	1.54	1.54	5.38	-	10.00(2.9-10.8)	13.5	2930(500-3450)	3.41	1.85	1.85	-	-	-	12.00(3.4-14.4)	13.2	2980(480-4200)	4.03
	20+20+25+25	2.00	2.00	2.50	2.50	-	9.00(2.9-10.6)	12.1	2630(420-3770)	3.42	2.67	2.67	-	-	-	12.00(3.4-14.2)	13.8	3100(390-4380)	3.87
	20+20+25+32	2.00	2.00	2.50	3.20	-	9.70(2.9-10.6)	13.4	2920(420-3680)	3.32	2.47	2.47	-	-	-	12.00(3.4-14.2)	13.6	3060(400-4340)	3.92
	20+20+25+50	1.74	1.74	2.17	4.35	-	10.00(2.9-10.6)	13.5	2930(470-3360)	3.41	2.09	2.09	-	-	-	12.00(3.4-14.2)	13.3	2990(480-4160)	4.01
	20+20+25+70	1.48	1.48	1.85	5.19	-	10.00(2.9-10.8)	13.5	2930(500-3450)	3.41	1.78	1.78	-	-	-	12.00(3.4-14.4)	13.2	2980(480-4200)	4.03</

Indoor Units Capacity		COOLING OPERATION									HEATING OPERATION									
		Cooling Capacity						Running Current	Power Input	EER	Heating Capacity						Running Current	Power Input	COP	
		Room A	Room B	Room C	Room D	Room E	Total				Room A	Room B	Room C	Room D	Room E	Total				
		kW	kW	kW	kW	kW	kW				kW	kW	kW	kW	kW	kW				
4 rooms	25+25+32+32	2.19	2.19	2.81	2.81	—	10.00(2.9~10.6)	14.1	3070(430~3600)	3.26	2.63	2.63	3.37	3.37	—	12.00(3.4~14.2)	13.5	3030(420~4230)	3.96	
	25+25+32+50	1.89	1.89	2.42	3.80	—	10.00(2.9~10.8)	13.5	2930(500~3440)	3.41	2.27	2.27	2.91	4.55	—	12.00(3.4~14.4)	13.2	2960(490~4190)	4.05	
	25+25+32+70	1.64	1.64	2.11	4.61	—	10.00(2.9~11.0)	13.2	2860(510~3530)	3.50	1.97	1.97	2.53	5.53	—	12.00(3.4~14.4)	13.1	2950(500~4170)	4.07	
	25+25+50+50	1.67	1.67	3.33	3.33	—	10.00(2.9~11.0)	12.9	2800(560~3460)	3.57	2.00	2.00	4.00	4.00	—	12.00(3.4~14.4)	13.2	2970(590~4160)	4.04	
	25+25+50+70	1.47	1.47	2.94	4.12	—	10.00(2.9~11.2)	12.9	2800(560~3540)	3.57	1.76	1.76	3.53	4.95	—	12.00(3.4~14.4)	13.2	2960(600~4140)	4.05	
	25+32+32+32	2.08	2.64	2.64	2.64	—	10.00(2.9~10.8)	14.1	3070(460~3680)	3.26	2.49	3.17	3.17	3.17	—	12.00(3.4~14.2)	13.4	3010(430~4190)	3.99	
	25+32+32+50	1.80	2.30	2.30	3.60	—	10.00(2.9~10.8)	13.2	2860(510~3450)	3.50	2.16	2.76	2.76	4.32	—	12.00(3.4~14.4)	13.1	2940(510~4220)	4.08	
	25+32+32+70	1.57	2.01	2.01	4.41	—	10.00(2.9~11.2)	13.2	2860(510~3690)	3.50	1.88	2.42	2.42	5.28	—	12.00(3.4~14.4)	13.2	2980(520~4200)	4.03	
	25+32+50+50	1.59	2.05	3.18	3.18	—	10.00(2.9~11.0)	12.9	2800(560~3380)	3.57	1.91	2.45	3.82	3.82	—	12.00(3.4~14.4)	13.1	2950(620~4130)	4.07	
	25+50+50+50	1.42	2.86	2.86	2.86	—	10.00(2.9~11.2)	12.7	2750(660~3480)	3.64	1.71	3.43	3.43	3.43	—	12.00(3.4~14.4)	13.4	3020(730~4120)	3.97	
	32+32+32+32	2.50	2.50	2.50	2.50	—	10.00(2.9~10.8)	13.8	3000(460~3600)	3.33	3.00	3.00	3.00	3.00	—	12.00(3.4~14.4)	13.5	3030(450~4280)	3.96	
	32+32+32+50	2.19	2.19	2.19	3.43	—	10.00(2.9~11.0)	13.2	2860(510~3530)	3.50	2.63	2.63	2.63	4.11	—	12.00(3.4~14.4)	13.2	2970(530~4180)	4.04	
	32+32+32+70	1.93	1.93	1.93	4.21	—	10.00(2.9~11.2)	13.2	2860(520~3610)	3.50	2.31	2.31	2.31	5.07	—	12.00(3.4~14.4)	13.2	2960(550~4160)	4.05	
	32+32+50+50	1.95	1.95	3.05	3.05	—	10.00(2.9~11.2)	12.9	2800(600~3540)	3.57	2.34	2.34	3.66	3.66	—	12.00(3.4~14.4)	13.2	2980(630~4100)	4.03	
	5 rooms	20+20+20+20+20	2.00	2.00	2.00	2.00	2.00	10.00(2.9~11.5)	13.2	2860(550~3860)	3.50	2.40	2.40	2.40	2.40	2.40	12.00(3.4~14.5)	13.2	2960(530~4240)	4.05
		20+20+20+20+25	1.90	1.90	1.90	1.90	2.40	10.00(2.9~11.5)	13.2	2860(550~3860)	3.50	2.29	2.29	2.29	2.29	2.84	12.00(3.4~14.5)	13.2	2960(530~4240)	4.05
20+20+20+20+32		1.79	1.79	1.79	1.79	2.84	10.00(2.9~11.5)	12.9	2800(550~3780)	3.57	2.14	2.14	2.14	2.14	3.44	12.00(3.4~14.5)	13.1	2940(560~4200)	4.08	
20+20+20+20+50		1.54	1.54	1.54	1.54	3.84	10.00(2.9~11.5)	12.9	2810(610~3630)	3.56	1.85	1.85	1.85	1.85	4.60	12.00(3.4~14.5)	13.2	2960(670~4180)	4.05	
20+20+20+20+70		1.33	1.33	1.33	1.33	4.68	10.00(2.9~11.5)	12.7	2750(650~3640)	3.64	1.60	1.60	1.60	1.60	5.60	12.00(3.4~14.5)	13.3	3000(680~4170)	4.00	
20+20+20+25+25		1.82	1.82	1.82	2.27	2.27	10.00(2.9~11.5)	13.2	2860(550~3860)	3.50	2.18	2.18	2.18	2.73	2.73	12.00(3.4~14.5)	13.2	2960(530~4240)	4.05	
20+20+20+25+32		1.71	1.71	1.71	2.13	2.74	10.00(2.9~11.5)	12.9	2800(550~3780)	3.57	2.05	2.05	2.05	2.56	3.29	12.00(3.4~14.5)	13.1	2940(560~4200)	4.08	
20+20+20+25+50		1.48	1.48	1.48	1.85	3.71	10.00(2.9~11.5)	12.9	2810(610~3630)	3.56	1.78	1.78	1.78	2.22	4.44	12.00(3.4~14.5)	13.2	2960(670~4180)	4.05	
20+20+20+25+70		1.29	1.29	1.29	1.61	4.52	10.00(2.9~11.5)	12.7	2750(650~3640)	3.64	1.55	1.55	1.55	1.93	5.42	12.00(3.4~14.5)	13.3	3000(680~4170)	4.00	
20+20+20+32+32		1.60	1.60	1.60	2.60	2.60	10.00(2.9~11.5)	12.9	2800(560~3780)	3.57	1.94	1.94	1.94	3.09	3.09	12.00(3.4~14.5)	13.2	2970(580~4170)	4.04	
20+20+20+32+50		1.41	1.41	1.41	2.25	3.52	10.00(2.9~11.5)	12.7	2750(650~3630)	3.64	1.69	1.69	1.69	2.70	4.23	12.00(3.4~14.5)	13.3	2990(690~4150)	4.01	
20+20+20+32+70		1.23	1.23	1.23	1.98	4.33	10.00(2.9~11.5)	12.7	2760(660~3640)	3.62	1.48	1.48	1.48	2.37	5.19	12.00(3.4~14.5)	13.3	2990(710~4140)	4.01	
20+20+20+50+50		1.24	1.24	1.24	3.14	3.14	10.00(2.9~11.5)	12.8	2780(750~3580)	3.60	1.50	1.50	1.50	3.75	3.75	12.00(3.4~14.5)	13.7	3080(830~4220)	3.90	
20+20+25+25+25		1.73	1.73	2.18	2.18	2.18	10.00(2.9~11.5)	13.2	2860(550~3860)	3.50	2.10	2.10	2.60	2.60	2.60	12.00(3.4~14.5)	13.2	2960(530~4240)	4.05	
20+20+25+25+32		1.64	1.64	2.05	2.05	2.62	10.00(2.9~11.5)	12.9	2800(550~3780)	3.57	1.97	1.97	2.46	2.46	3.14	12.00(3.4~14.5)	13.1	2940(560~4200)	4.08	
20+20+25+25+50		1.43	1.43	1.79	1.79	3.56	10.00(2.9~11.5)	12.9	2810(610~3630)	3.56	1.71	1.71	2.14	2.14	4.30	12.00(3.4~14.5)	13.2	2960(670~4180)	4.05	
20+20+25+25+70		1.25	1.25	1.56	1.56	4.38	10.00(2.9~11.5)	12.7	2750(650~3640)	3.64	1.50	1.50	1.88	1.88	5.24	12.00(3.4~14.5)	13.3	3000(680~4170)	4.00	
20+20+25+32+32		1.55	1.55	1.94	2.48	2.48	10.00(2.9~11.5)	12.9	2800(560~3780)	3.57	1.86	1.86	2.32	2.98	2.98	12.00(3.4~14.5)	13.2	2970(580~4170)	4.04	
20+20+25+32+50		1.36	1.36	1.70	2.18	3.40	10.00(2.9~11.5)	12.7	2750(650~3630)	3.64	1.63	1.63	2.04	2.61	4.09	12.00(3.4~14.5)	13.3	2990(690~4150)	4.01	
20+20+25+32+70		1.20	1.20	1.49	1.92	4.19	10.00(2.9~11.5)	12.7	2760(660~3640)	3.62	1.44	1.44	1.79	2.30	5.03	12.00(3.4~14.5)	13.3	2990(710~4140)	4.01	
20+20+25+50+50		1.21	1.21	1.52	3.03	3.03	10.00(2.9~11.5)	12.8	2780(750~3580)	3.60	1.45	1.45	1.82	3.64	3.64	12.00(3.4~14.5)	13.7	3080(830~4220)	3.90	
20+20+32+32+32		1.46	1.46	2.36	2.36	2.36	10.00(2.9~11.5)	12.9	2800(560~3700)	3.57	1.77	1.77	2.82	2.82	2.82	12.00(3.4~14.5)	13.1	2950(600~4200)	4.07	
20+20+32+32+50		1.30	1.30	2.08	2.08	3.24	10.00(2.9~11.5)	12.7	2750(660~3640)	3.64	1.56	1.56	2.49	2.49	3.90	12.00(3.4~14.5)	13.5	3030(720~4190)	3.96	
20+20+32+32+70		1.15	1.15	1.84	1.84	4.02	10.00(2.9~11.5)	12.7	2760(700~3640)	3.62	1.38	1.38	2.21	2.21	4.82	12.00(3.4~14.5)	13.4	3020(730~4180)	3.97	
20+20+32+50+50		1.16	1.16	1.86	2.91	2.91	10.00(2.9~11.5)	12.8	2790(760~3590)	3.58	1.40	1.40	2.22	3.49	3.49	12.00(3.4~14.5)	13.9	3120(860~4200)	3.85	
20+25+25+25+25		1.68	2.08	2.08	2.08	2.08	10.00(2.9~11.5)	13.2	2860(550~3860)	3.50	2.00	2.50	2.50	2.50	2.50	12.00(3.4~14.5)	13.2	2960(530~4240)	4.05	
20+25+25+25+32		1.57	1.97	1.97	1.97	2.52	10.00(2.9~11.5)	12.9	2800(550~3780)	3.57	1.89	2.36	2.36	2.36	3.03	12.00(3.4~14.5)	13.1	2940(560~4200)	4.08	
20+25+25+25+50		1.38	1.72	1.72	1.72	3.46	10.00(2.9~11.5)	12.9	2810(610~3630)	3.56	1.65	2.07	2.07	2.07	4.14	12.00(3.4~14.5)	13.2	2960(670~4180)	4.05	
20+25+25+25+70		1.20	1.52	1.52	1.52	4.24	10.00(2.9~11.5)	12.7	2750(650~3640)	3.64	1.45	1.82	1.82	1.82	5.09	12.00(3.4~14.5)	13.3	3000(680~4170)	4.00	
20+25+25+32+32		1.48	1.87	1.87	2.39	2.39	10.00(2.9~11.5)	12.9	2800(560~3780)	3.57	1.78	2.24	2.24	2.87	2.87	12.00(3.4~14.5)	13.2	2970(580~4170)	4.04	
20+25+25+32+50		1.32	1.64	1.64	2.11	3.29	10.00(2.9~11.5)	12.7	2750(650~3630)	3.64	1.58	1.97	1.97	2.53	3.95	12.00(3.4~14.5)	13.3	2990(690~4150)	4.01	
20+25+25+32+70		1.16	1.45	1.45	1.86	4.08	10.00(2.9~11.5)	12.7	2760(660~3640)	3.62	1.40	1.74	1.74	2.23	4.89	12.00(3.4~14.5)	13.3	2990(710~4140)	4.01	
20+25+25+50+50		1.18	1.47	1.47	2.94	2.94	10.00(2.9~11.5)	12.8	2780(750~3580)	3.60	1.42	1.76	1.76	3.53	3.53	12.00(3.4~14.5)	13.7	3080(830~4220)	3.90	
20+25+32+32+32		1.42	1.77	2.27	2.27	2.27	10.00(2.9~11.5)	12.9	2800(560~3700)	3.57										

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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