

Space Saving Outdoor Unit

Panasonic's ingeniously designed outdoor units are compact in size to fit into any space and layout. Its smaller size makes it easy to install even in limited spaces. Flexibility in piping allows more freedom in installation leading to a reduced installation costs.

18-30kBtu Model

U-18PS2H5 / U-21PS2H5 / U-24PS2H5 / U-30PS2H5

Conventional Model (CU-YT19KBH5)
H795 × W875 × D320



Height 795mm

695mm



Weight 65kg

41kg*



*18PS/21PS:41kg, 24PS/30PS:43kg

34-48kBtu Model

U-34PS2H5 / U-43PS2H5 / U-48PS2H5

Conventional Model (CU-YT43KBH5)
H1,170 × W900 × D320

2018 Model



Height 1,170mm

996mm



Weight 94kg

74kg*



*34PS:72kg, 43PS:74kg, 48PS:81kg

Advantages of Panasonic Inverter System



High Efficiency Energy Performance

The performance of our previous 2-fan models is now achieved by 1-fan models. The Coefficient of Performance has been greatly improved to reduce power consumption.



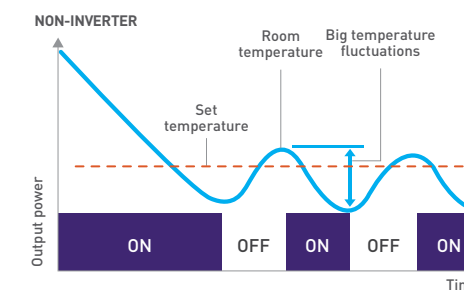
*4-Way Cassette 18k Btu model



Inverter Technology

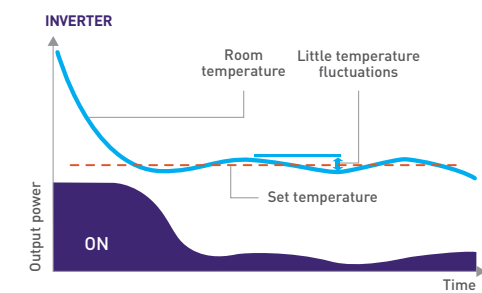
Precise Temperature Control

INVERTER prevents wasteful energy consumption by varying the compressor rotation speed to maintain the set temperature.



Legend: ■ Output Power — Temperature
Remark: Energy is wasted by switching the compressor ON and OFF to maintain the set temperature.

Non-INVERTER air conditioner can only operate at a constant speed which is too powerful to maintain the set temperature. This results in wider temperature fluctuations leading to wasteful consumption of energy.



Legend: ■ Output Power — Temperature
Remark: Saves energy by varying the rotation speed of the compressor to maintain the set temperature.

The Panasonic INVERTER air conditioner varies the compressor's rotation speed, providing a precise method of maintaining the set temperature and it gives you exceptional energy saving performance.

Easy Installation

Piping can be extended up to 30m without additional gas charging, and up to 50m with additional gas charging. By giving you more flexibility in positioning the outdoor unit, this gives you a wider range of installation options.

*For 4-Way Cassette/Ceiling Exposed/Ceiling Ducted

Refrigerant Charge less Up to 30m

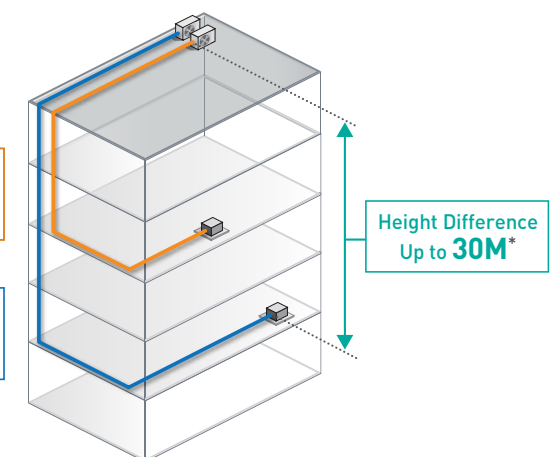
No additional gas charging is needed up to 30m. Installation is easy and hassle-free.

*For 4-Way Cassette/Ceiling Exposed/Ceiling Ducted

Additional Piping
Up to **30M**

&

Max Piping Length
Up to **50M**
with additional gas charge



* 4-Way Cassette, Ceiling Exposed and Ceiling Ducted
(Capacity Class 17.1/20.5K Btu): 25m

4-WAY CASSETTE NEW

Indoor Unit | 4-Way Cassette

Model No.
S-18PU2H5-8 S-34PU2H5-8
S-21PU2H5-8 S-43PU2H5-8
S-24PU2H5-8 S-48PU2H5-8
S-30PU2H5-8



TECHNICAL FOCUS

- nanoe™ X for Air Purification
- Powerful Airflow
- Wide Flap
- Simplistic Design
- LCD Wireless Remote Controller
- Easy Installation Design



Accessories

Panel



CZ-KPU3H

Selectable Remote Controller



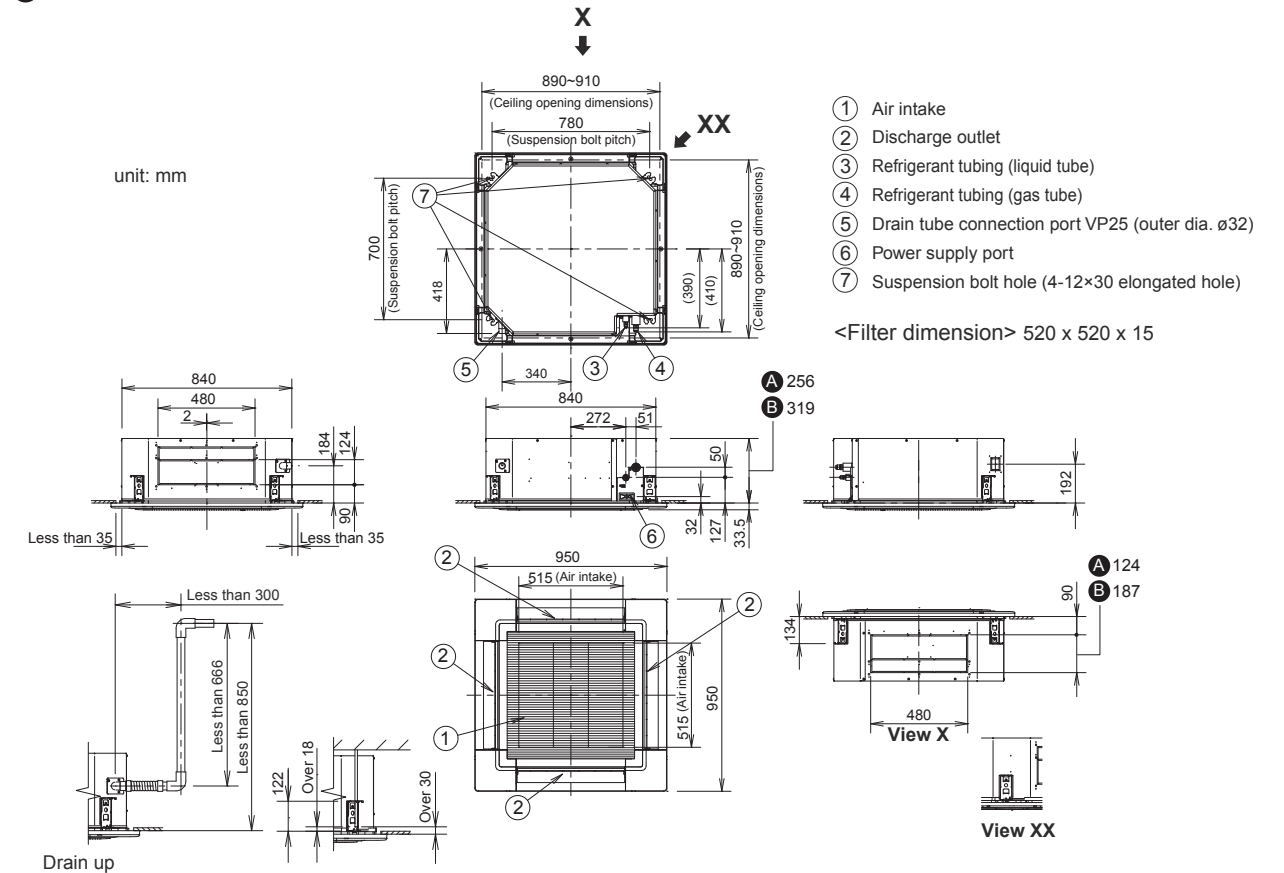
CZ-RD513C



CZ-RL013UH

Dimensions

- A** (S-18PU2H5-8 / S-21PU2H5-8 / S-24PU2H5-8 / S-30PU2H5-8)
B (S-34PU2H5-8 / S-43PU2H5-8 / S-48PU2H5-8)



* Adjust the suspension bolt length so that the gap from the lower ceiling surface becomes 30 mm or more (18 mm or more from the lower surface of the body) as shown in the figure. When the suspension bolt length is long, it hits the ceiling panel and installation is not possible.

Capacity (Btu/h)		17,100	20,500	24,200	29,000	34,100	42,700	47,800
Power Source		220 V, 1Ø Phase - 50 Hz						
Indoor		S-18PU2H5-8	S-21PU2H5-8	S-24PU2H5-8	S-30PU2H5-8	S-34PU2H5-8	S-43PU2H5-8	S-48PU2H5-8
Outdoor		U-18PS2H5-8	U-21PS2H5-8	U-24PS2H5-8	U-30PS2H5-8	U-34PS2H5-8	U-43PS2H5-8	U-48PS2H5-8
Panel		CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H
Cooling Capacity: Rated (Min-Max)	kW	5.00 [2.00-5.60]	6.00 [2.00-6.30]	7.10 [2.10-8.00]	8.50 [2.10-10.00]	10.00 [3.80-11.20]	12.50 [3.80-13.40]	14.00 [3.80-15.40]
	Btu/h	17,100 [6,820-19,100]	20,500 [6,820-21,500]	24,200 [7,160-27,300]	29,000 [7,160-34,100]	34,100 [13,000-38,200]	42,700 [13,000-45,700]	47,800 [13,000-52,600]
Current: Rated (Max)	A	5.6 [9.5]	7.3 [11.0]	8.8 [13.0]	11.9 [14.5]	13.1 [24.0]	20.4 [26.0]	25.5 [28.0]
Power Input: Rated (Min-Max)	kW	1.19 [0.55-1.70]	1.56 [0.55-1.90]	1.88 [0.65-2.60]	2.54 [0.65-3.30]	2.76 [1.25-4.00]	4.31 [1.25-4.70]	5.39 [1.25-5.90]
	W/W	4.20	3.85	3.78	3.35	3.62	2.90	2.60
COP / EER				12.87	11.42	12.36	9.91	8.87
	Btu/hW	14.37	13.14					
Indoor Unit								
Air Volume		m³/min	22.0	23.0	25.0	25.0	32.0	36.4
Sound Pressure Level (Hi/Lo)		dB (A)	39 / 32	39 / 32	41 / 33	41 / 33	44 / 37	47 / 41
Sound Power Level (Hi/Lo)		dB	54 / 47	54 / 47	56 / 48	56 / 48	59 / 52	62 / 56
Dimension	Indoor (HxWxD)	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (HxWxD)	mm	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950
Net Weight	Indoor	kg	21	21	21	21	24	24
	Panel	kg	5	5	5	5	5	5
Outdoor Unit								
Sound Pressure Level		dB (A)	48	48	48	49	53	56
Sound Power Level		dB	64	64	64	64	67	70
Dimension		Outdoor (HxWxD)	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370
Net Weight		kg	41	41	43	43	72	81
Piping Connection	Gas Pipe	mm (inch)	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]
	Liquid Pipe	mm (inch)	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]
Pipe Length		Min-Max	m	7.5-50	7.5-50	7.5-50	7.5-50	7.5-50
Elevation Difference		m	25	25	30	30	30	30
Maximum Chargeless Length		Max	m	30	30	30	30	30
Additional Gas		g/m	50	50	50	50	50	50
Operating Range, Outdoor		Min-Max	°C	16-43	16-43	16-43	16-43	16-43



- 4-Way Airflow System
- LCD Wireless Remote Controller
- Random Auto Restart
- Removable Washable Panel
- 24 Hours Real On Off Timer
- Dew Prevention Control
- Anti Freezing Control



Panel



CZ-BT20EW

A wireless remote controller is in the same package with the indoor unit.

Technical drawings of the LG LRE24760D refrigerator, including front, top, and side views with dimensions.

Front View Dimensions:

- Overall width: 575
- Overall height: 575
- Top mounting flange width: 530 (Hanging bolt)
- Top mounting flange height: 80
- Bottom mounting flange width: 530 (Hanging bolt)
- Bottom mounting flange height: 80
- Net width: 650 (Ceiling opening)
- Net height: 650 (Ceiling opening)

Top View Dimensions:

- Overall width: 700
- Overall height: 700
- Left side panel width: 60
- Right side panel width: 60
- Net width: 580
- Net height: 580

Side View Dimensions:

- Overall depth: 151
- Top panel height: 260
- Bottom panel height: 100
- Top panel width: 73
- Bottom panel width: 44
- Top panel depth: 142
- Bottom panel depth: 142
- Net depth: 142

Labels:

- Gas piping
- Liquid piping
- Drain pipe

The diagram illustrates the connection of a drain pipe to an indoor unit. A vertical line represents the indoor unit, with a horizontal line indicating the level of the drain port. A vertical dimension line indicates a distance of 750 mm or less from the indoor unit to the drain port. A horizontal line represents the drain pipe, with a label 'Down-slope (1/50 ~ 1/100)' indicating the required slope. The pipe is connected to the indoor unit via a elbow and a drain port. The pipe then turns vertically and connects to another elbow, which is labeled 'Elbow'.

The diagram illustrates the minimum clearance height for a beam. On the left, a beam is shown passing over a rectangular obstacle. The vertical clearance from the top of the obstacle to the bottom of the beam is labeled '1000 or more'. The vertical distance from the floor to the bottom of the beam is labeled '2500 - 3000'. The horizontal distance from the right side of the obstacle to the right end of the beam is labeled '500 or more'. The floor is labeled 'Floor'. On the right, a beam is shown passing over a series of steps or a sloped surface. The vertical clearance from the floor level to the bottom of the beam is labeled '500 or more'. The horizontal distance from the start of the slope to the right end of the beam is labeled '500 or more'. The beam is labeled 'Beam'. The vertical clearance from the top of the last step to the bottom of the beam is labeled '300 or less'.

unit: mm

16

CEILING EXPOSED

Indoor Unit | Ceiling

Model No.
S-18PT2H5-8 S-34PT2H5-8
S-21PT2H5-8 S-43PT2H5-8
S-24PT2H5-8 S-48PT2H5-8
S-30PT2H5-8



TECHNICAL FOCUS

- Random Auto Restart
- Auto Fan Mode
- Weekly Timer (Wired Remote Controller only)
- 24-Hour On/Off Real Setting Timer
- Odor Wash
- Economy Mode
- Dry Mode Function
- Self-Diagnostic Function
- Selectable Thermo Sensor (Wired Remote Controller Only)



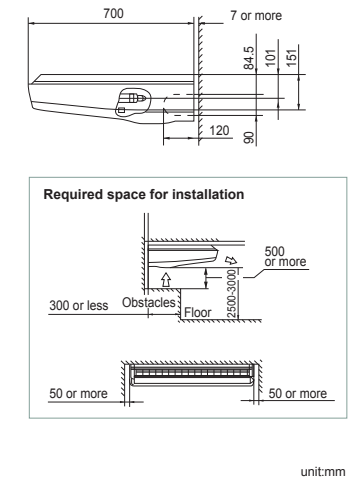
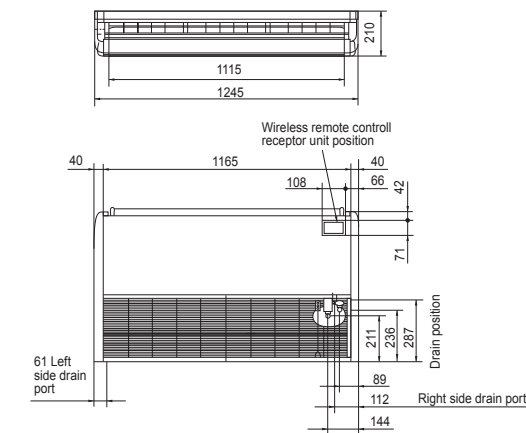
Accessories

Selectable Remote Controller

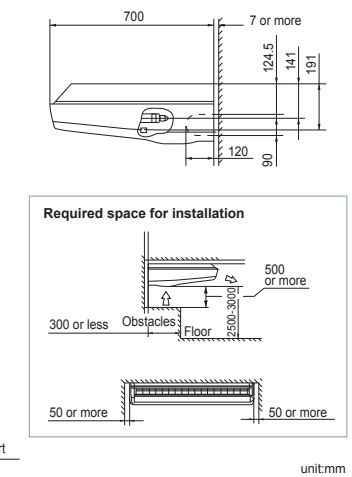
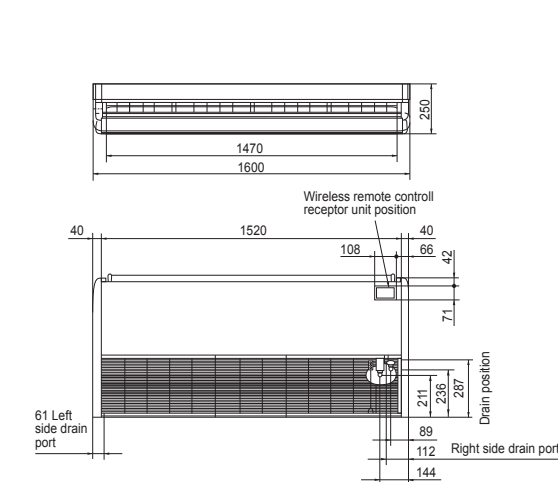


CZ-RD513C CZ-RL013T

Dimensions (S-18PT2H5-8 / S-21PT2H5-8 / S-24PT2H5-8)



Dimensions (S-30PT2H5-8 / S-34PT2H5-8 / S-43PT2H5-8 / S-48PT2H5-8)



Capacity [Btu/h]		17,100	20,500	24,200	29,000	34,100	41,000	47,800
Power Source	V/Phase Hz	220 V, 1Ø Phase - 50 Hz						
Indoor		S-18PT2H5-8	S-21PT2H5-8	S-24PT2H5-8	S-30PT2H5-8	S-34PT2H5-8	S-43PT2H5-8	S-48PT2H5-8
Outdoor		U-18PS2H5-8	U-21PS2H5-8	U-24PS2H5-8	U-30PS2H5-8	U-34PS2H5-8	U-43PS2H5-8	U-48PS2H5-8
Cooling Capacity: Rated (Min-Max)	kW	5.00 (2.00-5.60)	6.00 (2.00-6.30)	7.10 (2.00-8.00)	8.50 (2.00-10.00)	10.00 (3.80-11.20)	12.00 (3.80-12.70)	14.00 (3.80-15.40)
	Btu/h	17,100 (6,820-19,100)	20,500 (6,820-21,500)	24,200 (6,820-27,300)	29,000 (6,820-34,100)	34,100 (13,000-38,200)	41,000 (13,000-43,300)	47,800 (13,000-52,600)
Current: Rated (Max)	A	6.6 (9.5)	8.7 (11.0)	11.1 (13.0)	13.0 (14.5)	15.3 (24.0)	21.0 (26.0)	26.3 (28.0)
Power Input: Rated (Min-Max)	kW	1.40 (0.60-1.90)	1.85 (0.60-2.10)	2.37 (0.70-2.80)	2.77 (0.70-3.50)	3.23 (1.30-4.00)	4.44 (1.30-4.80)	5.56 (1.30-5.80)
	W/W	3.57	3.24	3.00	3.07	3.10	2.70	2.52
COP / EER	Btu/hW	12.21	11.08	10.21	10.47	10.56	9.23	8.60
Indoor Unit								
Air Volume	m ³ /min	17.0	17.0	18.0	29.0	29.0	31.0	32.0
Sound Pressure Level (Hi/Lo)	dB [A]	43 / 39	43 / 39	45 / 41	47 / 43	47 / 43	49 / 45	50 / 46
Sound Power Level (Hi/Lo)	dB	58 / 54	58 / 54	60 / 56	62 / 58	62 / 58	64 / 60	65 / 61
Dimension	Indoor (H×W×D)	mm	210 × 1,245 × 700	210 × 1,245 × 700	210 × 1,245 × 700	250 × 1,600 × 700	250 × 1,600 × 700	250 × 1,600 × 700
Net Weight		kg	33	33	43	43	48	48
Outdoor Unit								
Sound Pressure Level	dB [A]	48	48	48	49	53	54	56
Sound Power Level	dB	64	64	64	64	67	68	70
Dimension	Outdoor (H×W×D)	mm	695 × 875 × 320	695 × 875 × 320	695 × 875 × 320	996 × 980 × 370	996 × 980 × 370	996 × 980 × 370
Net Weight		kg	41	41	43	72	74	81
Piping Connection	Gas Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Liquid Pipe	mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Pipe Length	Min-Max	m	7.5-50	7.5-50	7.5-50	7.5-50	7.5-50	7.5-50
Elevation Difference		m	25	25	30	30	30	30
Maximum Chargeless Length	Max	m	30	30	30	30	30	30
Additional Gas		g/m	50	50	50	50	50	50
Operating Range, Outdoor	Min-Max	°C	16-43	16-43	16-43	16-43	16-43	16-43

CEILING DUCTED

Indoor Unit | Ducted

Model No.

S-18PF2H5-8 S-34PF2H5-8
S-21PF2H5-8 S-43PF2H5-8
S-24PF2H5-8 S-48PF2H5-8
S-30PF2H5-8



TECHNICAL FOCUS

- Auto Fan Mode
- Random Auto Restart
- Dry Mode Function
- Weekly Timer
- 24-Hour On/Off Real Setting Timer
- Odor Wash
- Economy Mode
- Self-Diagnostic Function
- Selectable Thermo Sensor



Accessories

Remote Controller



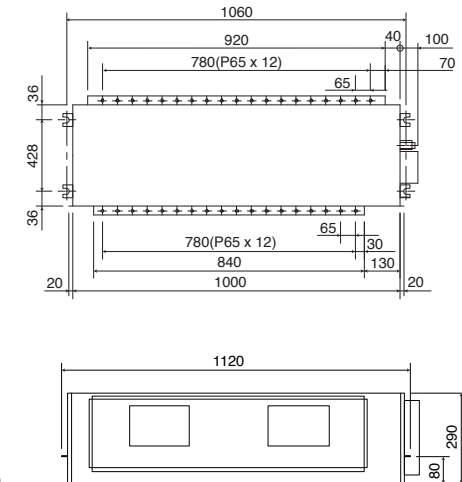
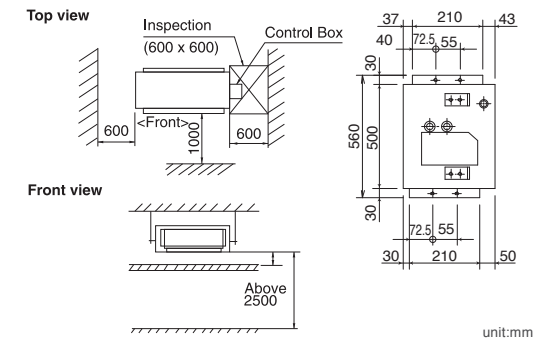
A remote controller is in the same package with the indoor unit.

CZ-RD513C



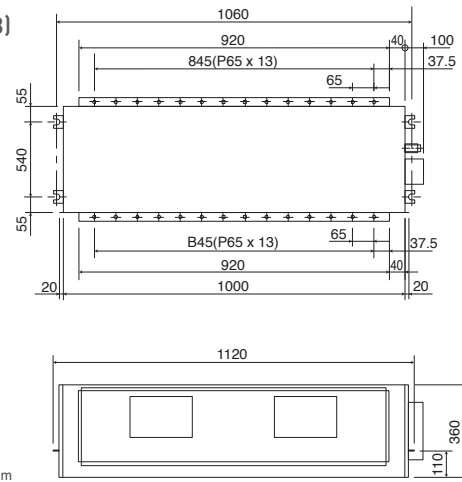
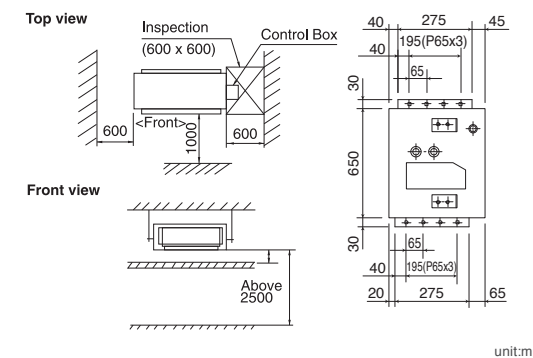
Dimensions (S-18PF2H5-8 / S-21PF2H5-8 / S-24PF2H5-8 / S-30PF2H5-8)

Required space for installation



Dimensions (S-34PF2H5-8 / S-43PF2H5-8 / S-48PF2H5-8)

Required space for installation



Capacity [Btu/h]		17,100	20,500	24,200	29,000	34,100	39,200	47,800
Power Source	V/Phase Hz	220 V, 1Ø Phase - 50 Hz						
Indoor		S-18PF2H5-8	S-21PF2H5-8	S-24PF2H5-8	S-30PF2H5-8	S-34PF2H5-8	S-43PF2H5-8	S-48PF2H5-8
Outdoor		U-18PS2H5-8	U-21PS2H5-8	U-24PS2H5-8	U-30PS2H5-8	U-34PS2H5-8	U-43PS2H5-8	U-48PS2H5-8
Cooling Capacity: Rated (Min-Max)	kW	5.00 [2.00-5.60]	6.00 [2.00-6.30]	7.10 [2.00-8.00]	8.50 [2.00-9.20]	10.00 [3.80-11.20]	11.50 [3.80-12.00]	14.00 [3.80-15.40]
	Btu/h	17,100 [6,820-19,100]	20,500 [6,820-21,500]	24,200 [6,820-27,300]	29,000 [6,820-31,400]	34,100 [13,000-38,200]	39,200 [13,000-41,000]	47,800 [13,000-52,600]
Current: Rated (Max)	A	6.9 [9.5]	7.9 [11.0]	10.4 [13.0]	13.1 [14.5]	14.5 [24.0]	22.1 [26.0]	27.7 [28.0]
Power Input: Rated (Min-Max)	kW	1.48 [0.60-1.90]	1.69 [0.60-2.10]	2.22 [0.70-2.80]	2.80 [0.80-3.50]	3.06 [1.30-4.00]	4.67 [1.30-5.10]	5.84 [1.30-5.80]
COP / EER	W/W	3.38	3.55	3.20	3.04	3.27	2.46	2.40
	Btu/hW	11.55	12.13	10.90	10.36	11.14	8.39	8.18
External Static Pressure	Pa [mm Aq]	69 [7]	69 [7]	69 [7]	69 [7]	98 [10]	98 [10]	98 [10]
Indoor Unit								
Air Volume	m³/min	22.0	22.0	22.0	22.0	45.0	45.0	45.0
Sound Pressure Level (Hi/Lo)	dB [A]	45 / 39	45 / 39	45 / 39	45 / 39	49 / 45	49 / 45	49 / 45
Sound Power Level (Hi/Lo)	dB	60 / 54	60 / 54	60 / 54	60 / 54	64 / 60	64 / 60	64 / 60
Dimension	Indoor (H×W×D)	mm	290 × 1,100 × 500	290 × 1,100 × 500	290 × 1,100 × 500	360 × 1,100 × 650	360 × 1,100 × 650	360 × 1,100 × 650
Net Weight	kg	31	31	31	31	43	43	43
Outdoor Unit								
Sound Pressure Level	dB [A]	48	48	48	49	53	54	56
Sound Power Level	dB	64	64	64	64	67	68	70
Dimension	Outdoor (H×W×D)	mm	695 × 875 × 320	695 × 875 × 320	695 × 875 × 320	996 × 980 × 370	996 × 980 × 370	996 × 980 × 370
Net weight	kg	41	41	43	43	72	74	81
Piping Connection	Gas Pipe	mm (inch)	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]	15.88 [5/8]
	Liquid Pipe	mm (inch)	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]
Pipe Length	Min-Max	m	7.5 - 50	7.5-50	7.5-50	7.5-50	7.5-50	7.5-50
Elevation Difference	m	25	25	30	30	30	30	30
Maximum Chargeless Length	Max	m	30	30	30	30	30	30
Additional Gas	g/m	50	50	50	50	50	50	50
Operating Range, Outdoor	Min-Max	°C	16 - 43	16-43	16-43	16-43	16-43	16-43

FLOOR STANDING NEW

Indoor Unit | Floor Standing

Model No.
CS-E28NFQ



TECHNICAL FOCUS

- Auto Movable Panel
- Power Monitor Display
- Odor-removing Function
- Self Diagnosis
- Child Lock Function



Accessories

Wireless Remote Controller



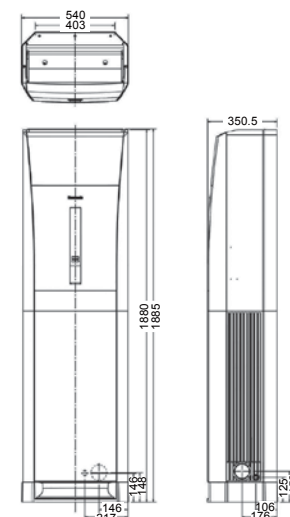
A wireless remote controller is in the same package with the indoor unit.

Capacity [Btu/h]		24,600
Power Source	V/Phase Hz	230 V, 10 Phase - 50 Hz
Indoor		CS-E28NFQ
Outdoor		CU-E28NFQ
Cooling Capacity: Rated (Min-Max)	kW	7.2 (1.0-7.5)
	Btu/h	24,600 [3,410-25,600]
Heating Capacity: Rated (Min-Max)	kW	8.30 (1.00-10.35)
	Btu/h	28,320 [3,410-35,310]
Current: Rated (Max)C	A	12.2 [14.8]
Cooling: Power Input: Rated (Min-Max)	kW	2.55 (0.21-2.60)
Cooling: COP / EER	W/W	2.82
	Btu/hW	9.64
Moisture Removal	L/h	4.2
	Pt/h	7.39
Indoor Unit		
Cooling: Air Volume (Air Circulation) (Hi)	m ³ /min	16
Cooling: Sound Pressure Level (H/L/Q-Lo)	dB (A)	43 / 36 / 33
Dimension	Indoor (HxWxD)	mm
Net Weight		kg
Outdoor Unit		
Sound Pressure Level	dB (A)	51
Dimensions	Outdoor (HxWxD)	mm
Net Weight		kg
Piping Connection	Gas Pipe	mm (inch)
	Liquid Pipe	mm (inch)
Pipe Length	Min-Max	m
Elevation Difference		m
Maximum Chargeless Length	Max	m
Additional Gas		g/m

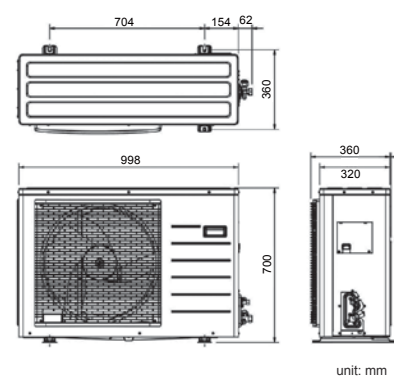


Dimensions

Indoor Unit CS-E28NFQ



Outdoor Unit CU-E28NFQ



unit: mm

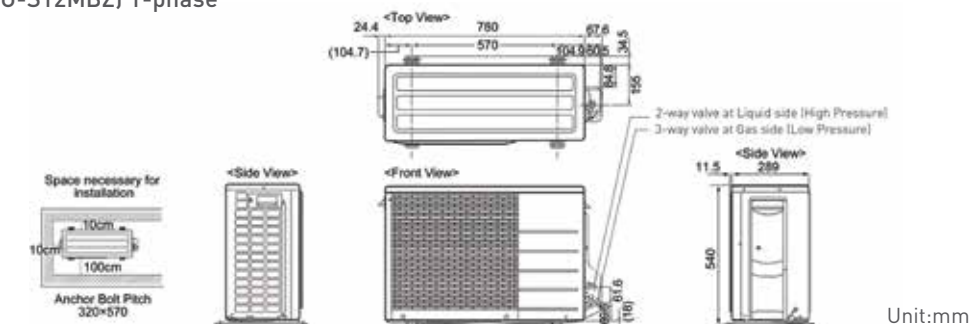
MINI CASSETTE

4-WAY CASSETTE / CEILING EXPOSED / CEILING DUCTED NEW

OUTDOOR UNITS

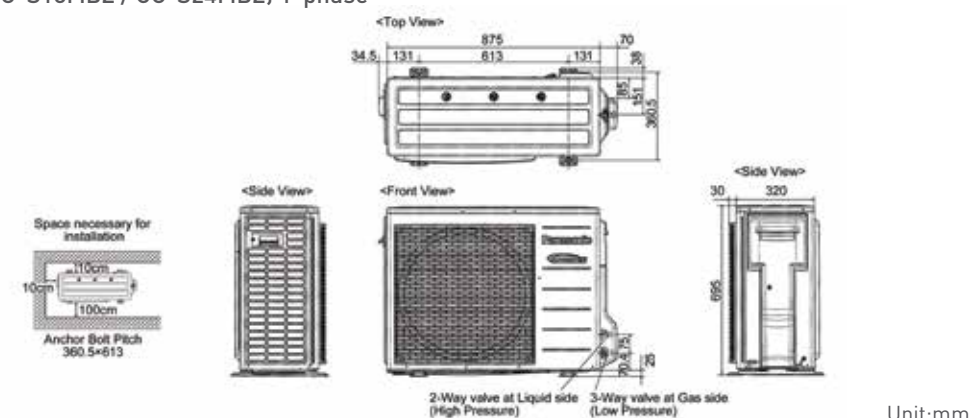
Outdoor Units

Dimensions (CU-S12MBZ) 1-phase



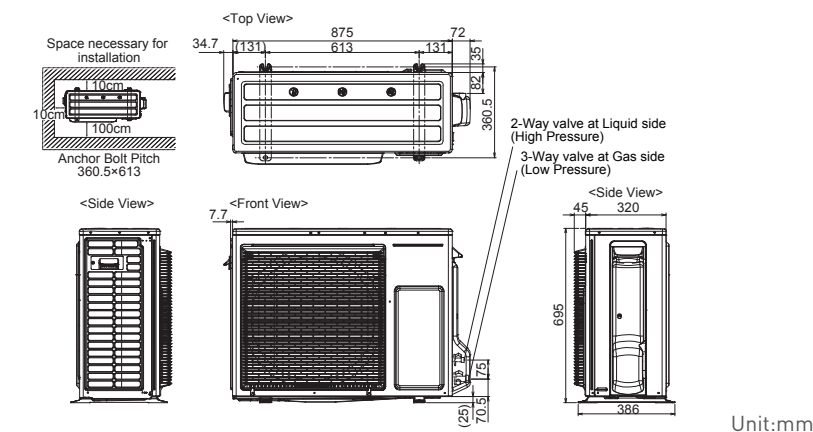
Unit:mm

Dimensions (CU-S18MBZ / CU-S24MBZ) 1-phase



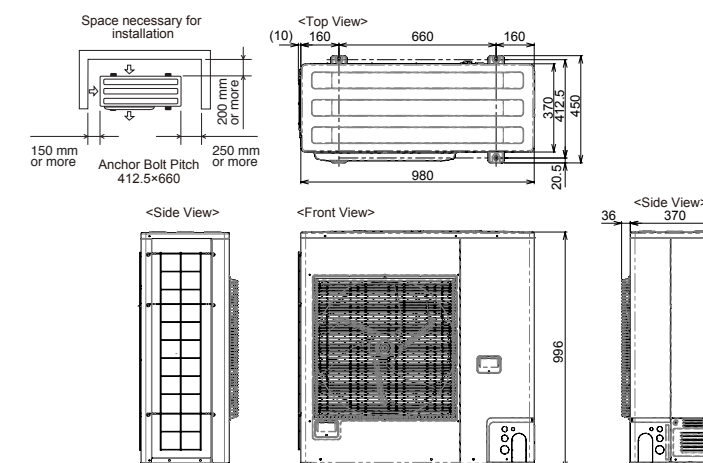
Unit:mm

Dimensions (U-18PS2H5-8 / U-21PS2H5-8 / U-24PS2H5-8 / U-30PS2H5-8) 1-phase



Unit:mm

Dimensions (U-34PS2H5-8 / U-43PS2H5-8 / U-48PS2H5-8) 1-phase



Unit:mm