Panasonic

Connect with your smartphone using this QR.



Product information
Website will be opened in
November 2021
NX series



Technical documents

Download from PRO CLUB NX series technical document will be available in November 2021.

PACKAGED AIR CONDITIONER NX SERIES 2021/2022















Panasonic



We face a time in which "quality air" differentiates business. It's a time for Panasonic to fully display its strengths. Our ability to assemble and build superior systems isn't just due to the rich resources we have as a comprehensive electronics manufacturer, but also to Panasonic's 100 years of tradition, where each person thinks and acts on their own initiative while working in a team to reach further heights. We do not compromise. Each of our independent selves is a one stop solution. We face our customers' challenges together with our customers and do all that we can to build effective systems. As a true partner for our customers, we strive to always be at the forefront of business.

- 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 November 2021.
- Due to printing considerations, the actual colours may vary slightly from those shown.
- All graphics are provided merely for the purpose of illustrating a point.



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

Authorised Dealer

PAC INVERTER ASIA November 2021

Panasonic Air-Conditioning Philippines



A Better Life, A Better World

NX Series Product Lineup

- 3-phase model newly added
- Indoor unit model name unification for better supply chain management.
- Use In-house manufactured compressor

Capacity [Btu/	h (Phase)]	17,100	20,500	24,200	27,600/29,000	34,100	42,700	45,500-47,800
4-way Cassette	E STATE OF THE STA	S-182	1PU3Q	S-243	OPU3Q			
Adaptive Ducted		S-182	1PF3Q	S-243	OPF3Q	S-3448PF3Q		
Ceiling Exposed		S-182	1PT3Q	S-243	OPT3Q	S-3448PT3Q		
Outdoor 1-phase		U-18PR1Q6	U-21PR1Q6	U-24PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-48PR1Q6
Outdoor 3-phase		_	_	_	_	_	U-43PR1Q9	U-48PR1Q9

NEW ///

24-hour nanoe[™]X **Air Protection**

Get 24 hours of quality air for you and your loved ones by turning nanoe™ X on using Panasonic Comfort Cloud anywhere, anytime. nanoe™ X functions in the cooling mode and is maintenancefree, helping you enjoy cleaner air while keeping





7 Effects of nanoe™ X : Creating Cleaner Environments

nanoe™ inhibits 5 types of pollutants, deodorises and moisturises thanks to the action of hydroxyl radicals contained in water.



your costs down.











nanoe™ X Effectiveness Proven in Large Space

Access to the evidence page of nanoe™ X effect

NEW ///

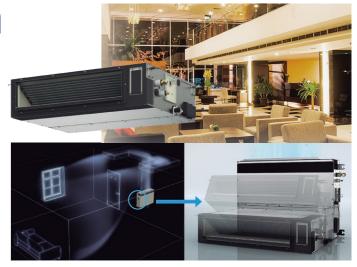
Flexible Installation **Adaptive Ducted**

New NX Series Adaptive Ducted units can be mounted not only horizontally but also vertically without the need for alterations.

Our groundbreaking drain pan design delivers a new level of flexibility in an industry-leading vertical installation.



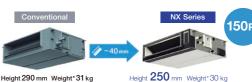
Website will be opened in November 2021



Space saving 250 mm height Compact Body with Powerful 150 Pa ESP

The indoor units have also been completely renewed, offering a 40 mm height reduction to only 250 mm* and a weight reduction of up to 10%, all while maintaining the same powerful 150 Pa.

* Compared to conventional model.



Smart Comfort with CONEX

CONEX offers IoT integration that connects directly to a variety of apps

for next-generation solutions. Easy control and access for end users, installers, and service partners with just one remote.

New CONEX Control



page of conex Website will be opened





Comfort Could-End User

High level control and energy monitoring via WLAN and cloud giving access from anywhere anytime.



H&C Control App-End User & Installer

H&C Control App makes complex initial set-up easy and allows installers to respond swiftly to clients' requests via Bluetooth



H&C Diagnosis App-Service Partner

Provides the service partner with detailed operational data, for in-depth analysis and optimising the system.



Advantages of New 4-way Cassette

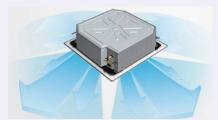
Compact, Modern & Flat Panel Design Featuring uniform cooling, easy installation, and with a sleek this unit is the perfect match for all commercial applications.

Featuring uniform cooling, easy installation, and with a sleek exterior,



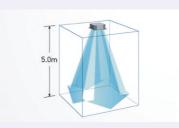
Powerful Airflow

Thanks to its compact design the Twisted 3D Blade Fan increases airflow.



360° Comfortable Airflow

Air coming out of the centre of the discharge outlets travels farther. Air is discharged across a wide area from the four sides of the unit.



Wide Flap

A wider main flap and sub flap reduce turbulence and increase airflow. Also, a wider angle jetting port allows airflow to reach as far as five meters. * 4-Way Cassette : 3448PU type

Advantages for Outdoor Unit



High Durability Outdoor Unit In-house manufactured compressor

All Panasonic heat exchangers feature our Blue Fin technology, which offers enhanced corrosion resistance compared to non-Blue Fin models.



Panasonic all in-house manufactured compressors are supplied to the world. The cumulative total of high-quality compressors in use has reached 580 million units*

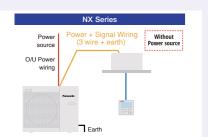
* As of September 2019, (In-house research)



Next Generation R32 Refrigerant

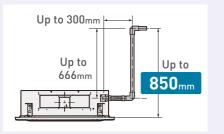
Compared to R22 and R410A, R32 has a very low potential impact on the depletion of the ozone layer and global warming.

Installation Instruction



3 Wire Method

This NX series has been developed with 3 wire method and communication.



A strong and quiet drain pump

The drain pump can pump water up to a height of 850 mm, making drain pipe layout easy. Supports for 4-way Cassette



NEW /// Operation Temperature

New NX series are capable of working even in the most difficult ambient conditions. Operating range expanded up to outdoor air temperature of 46°C.

4-WAY CASSETTE

- Industry-leading Powerful, 360° Wide & Comfortable Airflow.
- The drain pump can pump water up to a height of 850 mm, making drain pipe layout easy.



887 ...

CZ-RTC5B CZ-RTC4

CZ-RTC6 CZ-RTC6BL [BLE] CZ-RTC6BLW [BLE&WLAN]



			CZ KICSD	02 K104							
Capacity [Btu/h(Phas	se)]		17,100	20,500	24,200	29,000	34,100	42,700	42,700 (3)	47,800	47,800(3)
Power Source V/Phase Hz				230V, 1Ø P	hase - 60Hz			400V, 3Ø Phase - 60Hz	230V, 1Ø Phase - 60Hz	400V, 3Ø Phase - 60Hz	
Indoor			S-1821PU3Q	S-1821PU3Q	S-2430PU3Q	S-2430PU3Q	S-3448PU3Q	S-3448PU3Q	S-3448PU3Q	S-3448PU3Q	S-3448PU3Q
Outdoor			U-18PR1Q6	U-21PR1Q6	U-24PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-43PR1Q9	U-48PR1Q6	U-48PR1Q9
Panel			CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H
Cooling Capacity: Rate	d (Min. Mau)	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 (3.20-11.20)	12.50 (3.80-14.00)	12.50 (3.80-14.00)	14.00 (3.80-14.71)	14.00 [3.80-14.71]
J , ,		Btu/h	17,100 [6,820-19,100]	20,500 [6,820-21,500]	24,200 [7,170-27,300]	29,000 [7,170-34,100]	34,100 [10,900-38,200]	42,700 [13,000-47,800]	42,700 [13,000-47,800]	47,800 [13,000-50,200]	47,800 [13,000-50,200]
Current: Rated (Min-M	ax)	Α	5.2	7.7	8.8	11.2	14.3	17.7	5.8	22.8	7.5
Power Input: Rated (Mi	n-Max)	kW	1.14 (0.38-1.50)	1.71 (0.38-2.10)	1.99 (0.30-2.26)	2.52 (0.28-3.33)	3.23 (0.61-3.73)	3.74 (0.63-4.25)	3.74 (0.63-4.25)	4.83 (0.63-5.10)	4.83 (0.63-5.10)
CSPF			6.27	5.89	6.08	5.97	5.89	5.80	5.80	5.23	5.23
COP/EER		W/W	4.39	3.51	3.57	3.37	3.10	3.34	3.34	2.90	2.90
		Btu/hW	15.00	11.99	12.16	11.51	10.56	11.42	11.42	9.90	9.90
Indoor Unit											
Air Volume		m³/min	25.0	25.0	25.0	25.0	36.4	36.4	36.4	36.4	36.4
		cfm	882	882	882	882	1,285	1,285	1,285	1,285	1,285
	Sound Pressure Level (Hi/Lo) dB (A)		42 / 35	42 / 35	42 / 35	42 / 35	47 / 41	47 / 41	47 / 41	47 / 41	47 / 41
Sound Power Level (Hi		dB	57 / 50	57 / 50	57 / 50	57 / 50	62 / 56	62 / 56	62 / 56	62 / 56	62 / 56
Dimension	Indoor (HxWxD)	mm	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840			
Dimension	Panel (HxWxD)	mm	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950	44 x 950 x 950				
Net Weight	Indoor	kg	21	21	21	21	24	24	24	24	24
	Panel	kg	5	5	5	5	5	5	5	5	5
Outdoor					l		l	l	ı	l	
Sound Pressure Level		dB (A)	49	50	51	53	55	57	57	58	58
Sound Power Level		dB	68	69	70	72	74	76	76	77	77
Dimension	Outdoor (HxWxD)	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370			
Net Weight		kg	29	29	33	39	48	68	67	68	67
Piping Connection	Gas Pipe	mm (inch)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	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)	6.35 (1/4)	6.35 [1/4]	9.52 (3/8)	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	5 - 30	5 - 30	5 - 30	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
Elevation Difference		m	20	20	20	30	30	30	30	30	30
Maximum Chargeless Length	Max	m	15	15	15	25	25	25	25	25	25
Additional Gas		g/m	10	10	10	30	30	30	30	30	30
Operation Range, Outdoor	Min-Max	°C	16-46	16-46	16-46	16-46	16-46	16-46	16-46	16-46	16-46

Specifications are subject to change without notice. Please refer to technical documents for more details.

* The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616

ADAPTIVE DUCTED

- Air intake from rear as standard. Industry-leading horizontal and vertical design.
- Powerful 150Pa ESP and space saving 250 mm height, filter included.
- Built-in Drain pump and selectable air inlet position (Bottom and Rear).

Selectable Remote Controller







CZ-RTC6BL [BLE]



CZ-RTC6BLW [BLE&WLAN]

CZ	Z-RTC5B	CZ-RT0	24								
Capacity [Btu/h(Phase)]			17,100	20,500	24,200	27,600	34,100	42,700	42,700 (3)	47,000	47,000(3)
Power Source		V/Phase Hz			230V, 1Ø P	hase - 60Hz			400V, 3Ø Phase - 60Hz	230V, 1Ø Phase - 60Hz	400V, 3Ø Phase - 60Hz
Indoor			S-1821PF3Q	S-1821PF3Q	S-2430PF3Q	S-2430PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q
Outdoor			U-18PR1Q6	U-21PR1Q6	U-24PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-43PR1Q9	U-48PR1Q6	U-48PR1Q9
Cooling Capacity: Rated (M	tin Maul	kW	5.00 (2.00-5.60)	6.00 (2.00-6.30)	7.10 (2.00-7.60)	8.10 (2.00-8.90)	10.00 (3.20-11.20)	12.50 (3.80-13.50)	12.50 (3.80-13.50)	13.77 [3.80-14.20]	13.77 (3.80-14.20
Cooling Capacity: Rated (N	AIII-IMAXI	Btu/h	17,100 (6,820-19,100)	20,500 (6,820-21,500)	24,200 [6,820-25,900]	27,600 [6,820-30,400]	34,100 [10,900-38,200]	42,700 [13,000-46,100]	42,700 [13,000-46,100]	47,000 [13,000-48,500]	47,000 [13,000-48,500
Current: Rated (Min-Max)		Α	6.9	8.7	10.1	11.5	13.8	18.7	6.1	22.5	7.4
Power Input: Rated (Min-N	Max)	kW	1.54 (0.41-1.75)	1.95 (0.41-2.30)	2.27 [0.34-2.48]	2.60 (0.33-2.90)	3.12 (0.59-3.65)	3.96 (0.65-4.35)	3.96 (0.65-4.35)	4.77 (0.65-4.95)	4.77 (0.65-4.95)
CSPF			5.02	4.65	5.21	5.21	4.74	5.02	5.02	4.74	4.74
COP/EER		W/W	3.25	3.08	3.13	3.12	3.21	3.16	3.16	2.89	2.89
COFFEEN		Btu/hW	11.10	10.51	10.66	10.62	10.93	10.78	10.78	9.85	9.85
Indoor Unit											
Air Volume		m³/min	16.0	16.0	21.0	21.0	36.0	36.0	36.0	36.0	36.0
All votuine		cfm	565	565	740	740	1,270	1,270	1,270	1,270	1,270
External static pressure		Pa	30 (10-150)	30 (10-150)	30 (10-150)	30 (10-150)	50 (10-150)	50 (10-150)	50 (10-150)	50 (10-150)	50 (10-150)
Sound Pressure Level (Hi/		dB (A)	35 / 29	35 / 29	35 / 29	35 / 29	40 / 30	40 / 30	40 / 30	40 / 30	40 / 30
Sound Power Level (Hi/Lo)		dB	58 / 52	58 / 52	58 / 52	58 / 52	63 / 53	63 / 53	63 / 53	63 / 53	63 / 53
		mm	250 x 800 x 730	250 x 800 x 730	250 x 1,000 x 730	250 x 1,000 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730
J	door	kg	25	25	30	30	39	39	39	39	39
Outdoor											
Sound Pressure Level		dB (A)	50	51	51	53	55	57	57	58	58
Sound Power Level		dB	69	70	70	72	74	76	76	77	77
	tdoor (HxWxD)	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net Weight		kg	29	29	33	39	48	68	67	68	67
	s Pipe	mm (inch)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
LIC	quid Pipe	mm (inch)	6.35 [1/4]	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	n-Max	m	5 - 30	5 - 30	5 - 30	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
Elevation Difference		m	20	20	20	30	30	30	30	30	30
Maximum Chargeless Length Ma	ЭX	m	15	15	15	25	25	25	25	25	25
Additional Gas		g/m	10	10	10	30	30	30	30	30	30
Operation Range, Outdoor Mi	n-Max	°C	16-46	16-46	16-46	16-46	16-46	16-46	16-46	16-46	16-46

^{*} Specifications are subject to change without notice. Please refer to technical documents for more details.

CEILING EXPOSED

- The slim design makes thickness only 235 mm.
- Compact Looking, Stylish, One-Motion Design.
- Comfortable, Long-Distance Airflow Distribution.



(Optional Wired Remote Controller) ¥ 28 **.

CZ-RTC5B







CZ-RTC6BL [BLE] CZ-RTC6BLW [BLE&WLAN]



R32

Capacity [Btu/h(Pha	ase]]		17,100	20,500	24,200	29,000	34,100	42,700	42,700 (3)	45,500	45,500(3)
Power Source V/Phase Hz			230V, 1Ø Phase - 60Hz					400V, 3Ø Phase - 60Hz	230V, 1Ø Phase - 60Hz	400V, 3Ø Phase - 60Hz	
Indoor			S-1821PT3Q	S-1821PT3Q	S-2430PT3Q	S-2430PT3Q	S-3448PT3Q	S-3448PT3Q	S-3448PT3Q	S-3448PT3Q	S-3448PT3Q
Outdoor			U-18PR1Q6	U-21PR1Q6	U-24PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-43PR1Q9	U-48PR1Q6	U-48PR1Q9
Cooling Capacity: Rat	od (Min May)	kW	5.00 (2.00-5.60)	6.00 (2.00-6.30)	7.10 (2.00-7.80)	8.50 (2.00-9.60)	10.00 (3.20-11.20)	12.50 (3.80-13.54)	12.50 [3.80-13.54]	13.33 (3.80-14.00)	13.33 [3.80-14.00]
Cooling Capacity: Nat	eu (MIII-Max)	Btu/h	17,100 (6,820-19,100)	20,500 (6,820-21,500)	24,200 [6,820-26,600]	29,000 (6,820-32,800)	34,100 (10,900-38,200)	42,700 (13,000-46,200)	42,700 [13,000-46,200]	45,500 (13,000-47,800)	45,500 [13,000-47,800]
Current: Rated (Min-N	Max)	Α	6.0	8.6	9.3	12.2	14.9	19.4	6.4	21.3	7.0
Power Input: Rated (N	/lin-Max)	kW	1.33 (0.39-1.65)	1.92 [0.39-2.25]	2.10 (0.32-2.36)	2.75 (0.29-3.31)	3.36 (0.58-3.77)	4.10 (0.68-4.50)	4.10 (0.68-4.50)	4.50 (0.68-4.80)	4.50 (0.68-4.80)
CSPF			6.18	5.65	5.51	5.86	5.04	5.08	5.08	4.98	4.98
COP/EER		W/W	3.76	3.13	3.38	3.09	2.98	3.05	3.05	2.96	2.96
COP/EER		Btu/hW	12.86	10.68	11.52	10.55	10.15	10.41	10.41	10.11	10.11
Indoor Unit											
Air Volume		m³/min	15.0	15.0	21.0	21.0	35.0	35.0	35.0	35.0	35.0
All votume		cfm	530	530	740	740	1,235	1,235	1,235	1,235	1,235
Sound Pressure Level	l (Hi/Lo)	dB (A)	38 / 29	38 / 29	40 / 32	40 / 32	46 / 38	46 / 38	46 / 38	46 / 38	46 / 38
Sound Power Level (H	li/Lo)	dB	56 / 47	56 / 47	58 / 50	58 / 50	64 / 56	64 / 56	64 / 56	64 / 56	64 / 56
Dimension	Indoor (HxWxD)	mm	235 x 960 x 690	235 x 960 x 690	235 x 1,275 x 690	235 x 1,275 x 690	235 x 1,590 x 690	235 x 1,590 x 690	235 x 1,590 x 690	235 x 1,590 x 690	235 x 1,590 x 690
Net Weight	Indoor	kg	26	26	34	34	40	40	40	40	40
Outdoor											
Sound Pressure Level	l	dB (A)	50	51	51	53	55	57	57	58	58
Sound Power Level		dB	69	70	70	72	74	76	76	77	77
Dimension	Outdoor (HxWxD)	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370			
Net Weight		kg	29	29	33	39	48	68	67	68	67
D'- ' 0	Gas Pipe	mm (inch)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Piping Connection	Liquid Pipe	mm (inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	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	5 - 30	5 - 30	5 - 30	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
Elevation Difference		m	20	20	20	30	30	30	30	30	30
Maximum Chargeless Length	n Max	m	15	15	15	25	25	25	25	25	25
Additional Gas		g/m	10	10	10	30	30	30	30	30	30
Operation Range, Outdoo	r Min-Max	°C	16-46	16-46	16-46	16-46	16-46	16-46	16-46	16-46	16-46

^{*} Specifications are subject to change without notice. Please refer to technical documents for more details.

Remote controller information

		Compatibility Table									
		CZ-RTC6BLW Built-in BLE & WLAN	CZ-RTC6BL Built-in BLE	CZ-RTC6							
	CONEX Type	25.0° (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	25.0c = ~ ~ (*) **Bluetooth*	25.0c ≡ ∨ ∧ → []							
	Panasoric	0	0	_							
Арр	Panasonic	0	0	_							
	Panasonic	0	_	_							

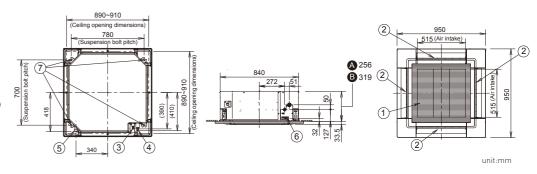
[•] Power supply is available only when using NX IDU * Available as a spare part

Wireless Remote Controller or 4 Way Cassette & Ceiling Exposed Wired Remote Controller CZ-RTC5B CZ-RTC4

4-WAY CASSETTE **NEW** Dimensions

A S-1821PU3Q/S-2430PU3Q **B** S-3448PU3Q

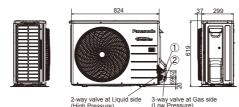
- (1) Air intake
- (2) Discharge outlet
- Refrigerant tubing (liquid tube)
- (4) Refrigerant tubing (gas tube)
- (5) Drain tube connection port VP25 (outer dia. ø32) 6 Power supply port Suspension bolt hole (4-12×30 elongated hole)
- <Filter dimension> 520 x 520 x 15



ADAPTIVE DUCTED NEW Dimensions CEILING EXPOSED NEW Dimensions S-1821PF3Q/S-2430PF3Q/S-3448PF3Q S-1821PT3Q Detailed dimensions of indoor unit Type A B C D E F mm mm mm mm mm Q'ty 1821 867 800 450 (Pitch 150 x 3) 71 592 12 1,067 1,000 750 (Pitch 150 x 5) 21 792 3448 1,467 1,400 1,050 (Pitch 150 x 7) S-2430PT3Q A (Suspension bolt pitch) S-3448PT3Q 54 E (Flange O.D.) 154 unit:mm

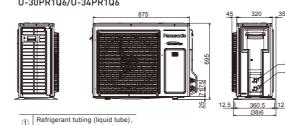
OUTDOOR UNITS NEW Dimensions

U-18PR1Q6/U-21PR1Q6/U-24PR1Q6



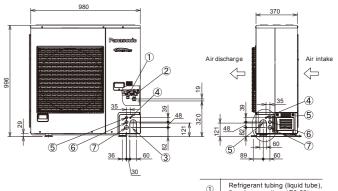
Refrigerant tubing (liquid tube), flared connection (φ6.35*1/9.52*2)

U-30PR1Q6/U-34PR1Q6



*Mounting hole (4-R6.5), anchor bolt : M10 $\,$

U-43PR1Q6/U-43PR1Q9/U-48PR1Q6/U-48PR1Q9



- Electrical wiring port (Ø13) Electrical wiring port (Ø22)
- Electrical wiring port (Ø27)

*Mounting hole (4-R6.5), anchor bolt : M10

unit:mm

^{*} The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616.