# **Panasonic**

# PACKAGED AIR CONDITIONERS NX SERIES DELUXE & STANDARD and FLOOR STANDING 2022/2023









INVERTER

# QUALITY AIR FOR LIFE

# Panasonic

#### **Building Passion**, **Building Solutions** Panasonic Air Conditioning Systems

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

**Panasonic Customer Care Center** 

Ortigas Avenue Extension, Taytay, Rizal, 1920 Philippines

- The contents of this catalogue are accurate as of May 30, 2022.
- 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







**Panasonic Air Products** 

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Technical documents Download from PRO CLUB









# **NX Series Product Lineup**

- New DELUXE 4-Way Cassette, equipped with nanoe<sup>™</sup> X technology (Mark 3)
- Other indoor units are equipped with nanoe™ X technology (Mark 2) as standard
- The NX series features DELUXE and STANDARD series models.



Capacity [ Btu/h ]	17,100	20,500	24,200	27,600/29,000	34,100	42,700	45,500-47,800
4-Way Cassette DELUXE	S-18PU3QA	S-21PU3QA	S-24PU3QA		S-34PU3QA	S-43PU3QA	S-48PU3QA
Generator Mark3 C 0 N E X	3-10003QA	3-21F03QA	3-24F03QA	_	3-34FU3QA	S-3448	PU3QA*
4-Way Cassette STANDARD	S-18PU30	S-21PU30	S-24PU30	S-30PU30	S-34PU30	S-43PU3Q	S-48PU3Q
Generator Mark2 C 0 N E X	5-18PU3Q	5-21P03Q	5-24PU3Q	5-30P03Q	5-34PU3Q	S-3448	3PU3Q*
Adaptive Ducted DELUXE/STANDARD							
	S-182	1PF3Q	S-243	0PF3Q		S-3448PF3Q	
Generator Mark2 C 0 N E X							
Ceiling Exposed DELUXE						S-43PT3QA	S-48PT3QA
Generator Mark2 CONEX	S-18PT3QA	S-21PT3QA	S-24PT3QA	_	S-34PT3QA	S-3448PT3QA*	
Ceiling Exposed STANDARD	0 (00700	0.017700	0.045700	0.007700	0.017700	S-43PT3Q	S-48PT3Q
Generator Mark2 CONEX	S-18PT3Q	S-21PT3Q	S-24PT3Q	S-30PT3Q	S-34PT3Q	S-3448PT3Q*	
Outdoor DELUXE	U-18PRH1Q6	U-21PRH1Q6	U-24PRH1Q6	_	U-34PRH1Q6	U-43PRH1Q6	U-48PRH1Q6
	_	_	_	_	_	U-43PRH1Q9*	U-48PRH1Q9*
Outdoor STANDARD	U-18PR1Q6	U-21PR1Q6	U-24PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-48PR1Q6
<b>ERRORATION</b>	_	_	_	_	_	U-43PR1Q9*	U-48PR1Q9*

STANDARD series models with new product numbers will be available at the end of Sep. 2022.

### **Differences between DELUXE and STANDARD 4-Way Cassette**

The DELUXE and STANDARD series differ in terms of nanoe effectiveness, energy efficiency and operating temperature, depending on the project

Differences	DELUXE Series	STANDARD Series
nanoe™X	Generator Mark 3	Generator Mark 2
CONEX	Connectable	Connectable
COP	Ave. 4.15	Ave. 3.38
CSPF	Ave. 6.50	Ave. 5.80
Operation range	16 - 52°C	16 - 46°C
Piping length	5-50m for all range	24,200Btu or less 5-30m 29,000Btu and above 5-50m

# NEW /// **24-hour nanoe**<sup>™</sup>X **Air Protection**

Get 24 hours of quality air for you and your loved ones by turning nanoe<sup>™</sup> X on using Panasonic Comfort Cloud anywhere, anytime. nanoe™ X

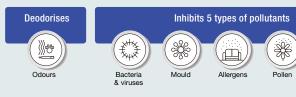
functions in the cooling mode and is maintenance-free, helping you enjoy cleaner air while keeping your costs down.



nanoe™ X website

7 Effects of nanoe<sup>™</sup> X : Creating Cleaner Environments

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



# **NEW** /// **Smart Comfort with CONEX**

CONEX offers IoT integration that connects directly to

a variety of apps for next-generation solutions.

New CONEX Control

Easy control and access for end users, installers,

Please refer to the

and service partners with just one remote.

New smart design with built-in BLE & WLAN model.

25.8

8



requirements.









nanoe™ X Effectiveness Proven in Large Space Access to the evidence page of  $\mathsf{nanoe}^{\mathsf{TM}} \: \mathsf{X}$  effect





#### Comfort Cloud-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

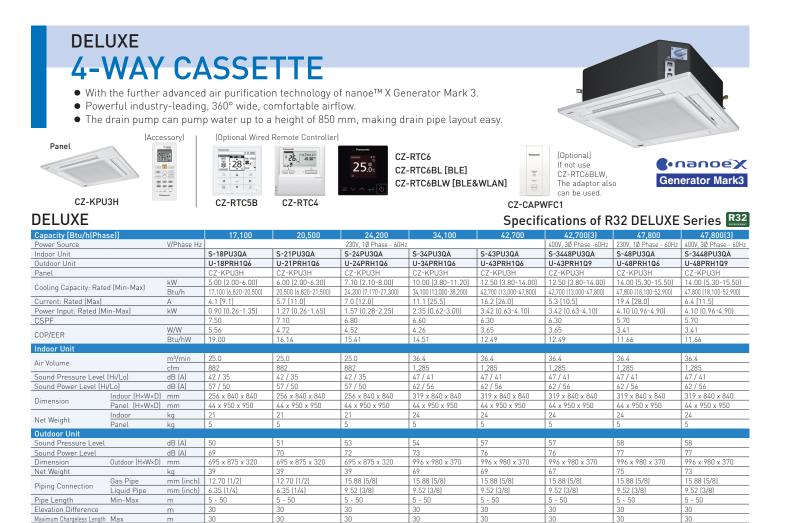


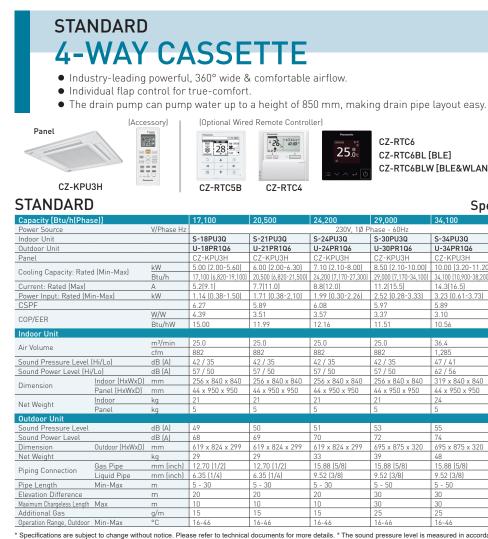
#### H&C Diagnosis App-Service Partner

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









\* 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. \* DELUXE series indoor units can only be connected to outdoor units of the same series. \* CZ-CAPWFC1 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

16-52

16-53

# What's New of nanoe<sup>™</sup> X Generator Mark 3

16-52

#### 48 Trillion Hydroxyl Radicals Generated

The amount of hydroxyl radicals generated increased 100 times, compared to original nance™.

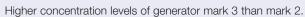
16-52

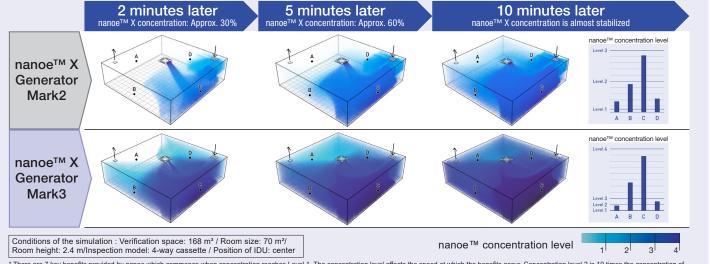
#### Higher Concentration, Even in Large Spaces Greater effectiveness even in large spaces of more than 100 m<sup>2</sup>.

16-52

nanoe<sup>™</sup> X Concentration Simulation

a/m





\* There are 7 key benefits provided by nance which commence when concentration reaches Level 1. The concentration level affects the speed at which the benefits occur. Concentration level 2 is 10 times the concentration level 1, and concentration level 3 is 20 times the concentration of level 1. \*\* The results shown are for simulation purpose only and concentration may vary due to actual room conditions

Advantages of New 4-way Cassette

## Compact. Modern & Flat Panel Design

Featuring uniform cooling, easy installation, and with a sleek exterior, this unit is the perfect match for all commercial applications.



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

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

Additional Gas

Operation Range, Outdoor Min-Max



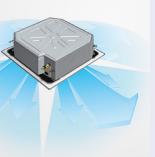
CZ-RTC6 CZ-RTC6BL [BLE] CZ-RTC6BLW [BLE&WLAN]

	Parasonio	[Optional]
1]	Nation Nation Nation	If not use CZ-RTC6BLW, The adaptor also can be used.
CZ	-CAPW	FC1

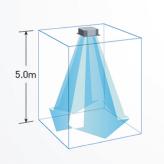


230V, 1Ø Phase - 60Hz 400V, 3Ø Phase - 60Hz 230V, 1Ø Phase - 60Hz 400V, 3Ø Phase - 60Hz			Spe	cifications	of R32 ST	ANDARD S	Series R32
230V, 10 Phase - 60Hz 400V, 30 Phase - 60Hz 200V, 30 S-34PU30 S-34PU30 S-3448PU30 S-3448PU30 S-3448PU30 S-3448PU30 S-3448PU30 S-3448PU30 S-3448PU30   PR104 U-330PR105 U-340PR105 U-34PR105 U-43PR107 U-48PR107 U-48PR107   PU3H CZ-KPU3H CZ-KD	00	29.000	34.100	42.700	42.700 (3)	47.800	47.800(3)
PR106 U-30PR106 U-34PR106 U-43PR106 U-43PR109 U-48PR106 U-48PR109   PU3H CZ - KPU3H CZ -	230V, 1Ø P	hase - 60Hz			400V, 3Ø Phase - 60Hz	230V, 1Ø Phase - 60Hz	400V, 3Ø Phase - 60Hz
PU3H CZ-KPU3H <th< td=""><td>PU3Q</td><td>S-30PU3Q</td><td>S-34PU3Q</td><td>S-43PU3Q</td><td>S-3448PU3Q</td><td>S-48PU3Q</td><td>S-3448PU3Q</td></th<>	PU3Q	S-30PU3Q	S-34PU3Q	S-43PU3Q	S-3448PU3Q	S-48PU3Q	S-3448PU3Q
	PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-43PR1Q9	U-48PR1Q6	U-48PR1Q9
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	PU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H	CZ-KPU3H
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(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)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	(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)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2.0)	11.2(15.5)	14.3(16.5)	17.7(26.0)	5.8(10.5)	22.8(28.0)	7.5(11.0)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(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)
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		5.97	5.89	5.80	5.80	5.23	5.23
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		3.37	3.10	3.34	3.34	2.90	2.90
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		11.51	10.56	11.42	11.42	9.90	9.90
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		25.0	36.4	36.4	36.4	36.4	36.4
		882	1,285	1,285	1,285	1,285	1,285
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	35	42 / 35	47 / 41	47 / 41	47 / 41	47 / 41	47 / 41
250 44 x 950 x 950 55 5	50	57 / 50	62 / 56	62 / 56	62 / 56	62 / 56	62 / 56
21 24 24 24 24 24 24   5 5 5 5 5 5 5   53 55 57 57 58 58   72 74 76 77 77 77   824 x 29 65 x 875 x 320 976 x 780 x 370 996 x 980 x 370 996 x 980 x 370 996 x 980 x 370   15.88 58 67 68 67 68 67   15.91 15.88 5/81 15.88 5/81 15.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5.88 5/81 5/81 5/81 5/81 5/81 5/81 5/81 5/81 5/81 5/81 5/8	840 x 840	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
5 5 5 5 5 5   53 55 57 57 58 58   72 74 76 76 77 77   824 x 299 695 x 875 x 320 695 x 875 x 320 996 x 980 x 370 9	950 x 950	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	44 x 950 x 950
53 55 57 57 58 58   72 74 76 76 77 77   .824 x 299 695 x 875 x 320 695 x 875 x 320 996 x 980 x 370 95 x 50 x 50 5 x		21	24	24	24	24	24
72 74 76 76 77 77   .824 x 299 695 x 875 x 320 695 x 875 x 320 996 x 980 x 370 68 67 57 57 58<		5	5	5	5	5	5
72 74 76 76 77 77   .824 x 299 695 x 875 x 320 695 x 875 x 320 996 x 980 x 370 68 67 57 57 58<							
824 x 299 695 x 875 x 320 695 x 875 x 320 996 x 980 x 370 996 x 980 x 370<		53	55	57	57	58	58
39 48 68 67 68 67   1(5/8) 15.88 (5/8) 15.8		72	74	76	76	77	77
15,88 <th< td=""><td>824 x 299</td><td>695 x 875 x 320</td><td>695 x 875 x 320</td><td>996 x 980 x 370</td><td>996 x 980 x 370</td><td>996 x 980 x 370</td><td>996 x 980 x 370</td></th<>	824 x 299	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370			
3/8 9.52 (3/8) <td></td> <td>39</td> <td>48</td> <td>68</td> <td>67</td> <td>68</td> <td>67</td>		39	48	68	67	68	67
5 50 5-50 5-50 5-50 5-50 5-50   30 30 30 30 30 30 30   30 30 30 30 30 30 30   25 25 25 25 25 25 25	(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)
30 30 30 30 30 30   30 30 30 30 30 30 30   25 25 25 25 25 25 25 25	[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)
30 30 30 30 30 30   25 25 25 25 25 25 25	)	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
25 25 25 25 25 25 25		30	30	30	30	30	30
		30	30	30	30	30	30
5 16-46 16-46 16-46 16-46 16-46 16-46		25	25	25	25	25	25
	5	16-46	16-46	16-46	16-46	16-46	16-46

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### 360° Comfortable Airflow



### 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

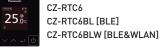
### **DELUXE / STANDARD ADAPTIVE DUCTED**

- 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).



DELUXE





lf not use CZ-RTC6BLW, The adaptor also can be used. CZ-CAPWFC1



**C**•nanoeX **Generator Mark2** 

#### Specifications of R32 DELUXE Series R32

Capacity [Btu/h(Pha	se]]		17,100	20,500	24,200	34,100	42,700	42,700(3)	47,800	47,800(3)
Power Source	Power Source V/Phase Hz				230V, 1Ø Phase - 60Hz			400V, 3Ø Phase - 60Hz	230V, 1Ø Phase - 60Hz	400V, 3Ø Phase - 60Hz
Indoor Unit			S-1821PF3Q	S-1821PF3Q	S-2430PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q
Outdoor Unit			U-18PRH1Q6	U-21PRH1Q6	U-24PRH1Q6	U-34PRH1Q6	U-43PRH1Q6	U-43PRH1Q9	U-48PRH1Q6	U-48PRH1Q9
	I (MC MALL)	kW	5.00 (1.60-6.00)	6.00 (1.60-6.30)	7.10 (1.80-8.00)	10.00 (3.80-11.20)	12.50 (3.80-14.00)	12.50 (3.80-14.00)	14.00 (5.30-15.50)	14.00 (5.30-15.50)
Cooling Capacity: Rate	d (MIN-Max)	Btu/h	17,100 (5,460-20,500)	20,500 (5,460-21,500)	24,200 (6,140-27,300)	34,100 (13,000-38,200)	42,700 (13,000-47,800)	42,700 (13,000-47,800)	47,800 (18,100-52,900)	47,800 (18,100-52,900)
Current: Rated (Max)		А	5.3 [9.1]	7.1 [11.0]	8.0 [12.0]	11.3 [25.5]	17.0 [26.0]	5.6 [10.5]	20.5 [28.0]	6.7 [11.5]
Power Input: Rated (M	in-Max)	kW	1.16 (0.24-1.55)	1.58 (0.24-1.80)	1.80 (0.30-2.35)	2.40 (0.65-3.08)	3.59 (0.65-4.35)	3.59 (0.65-4.35)	4.34 (0.96-5.15)	4.34 (0.96-5.15)
CSPF			5.90	5.60	6.10	6.40	5.45	5.45	5.55	5.55
COP/EER		W/W	4.31	3.80	3.94	4.17	3.48	3.48	3.23	3.23
COP/EEK		Btu/hW	14.74	12.97	13.44	14.21	11.89	11.89	11.01	11.01
Indoor Unit										
Air Volume		m³/min	16.0	16.0	21.0	36.0	36.0	36.0	36.0	36.0
All volume		cfm	565	565	740	1,270	1,270	1,270	1,270	1,270
External static pressure Pa		Pa	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	Sound Pressure Level (Hi/Lo) dB (A)		35 / 29	35 / 29	35/29	40 / 30	40 / 30	40/30	40 / 30	40 / 30
Sound Power Level (Hi	i/Lo)	dB (A)	58 / 52	58 / 52	58 / 52	63 / 53	63 / 53	63 / 53	63 / 53	63 / 53
Dimension	Indoor (H×W×D)	mm	250 x 800 x 730	250 x 800 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
Net Weight	Indoor	kg	25	25	30	39	39	39	39	39
Outdoor Unit										
Sound Pressure Level		dB (A)	50	51	53	54	57	57	58	58
Sound Power Level		dB (A)	69	70	72	73	76	76	77	77
Dimension	Outdoor (H×W×D)	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370				
Net Weight		kg	39	39	39	69	69	67	75	73
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)
Fiping 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)
Pipe Length	Min-Max	m	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
Elevation Difference		m	30	30	30	30	30	30	30	30
Maximum Chargeless Length	Max	m	30	30	30	30	30	30	30	30
Additional Gas		g/m	15	15	25	25	25	25	25	25
Operation Range, Outdoor	Min-Max	°C	16-52	16-52	16-52	16-52	16-52	16-52	16-52	16-52

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## **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.

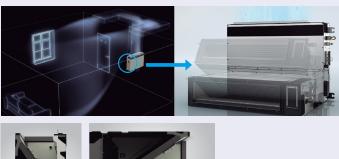




### Compact Body with Powerful 150 Pa ESP

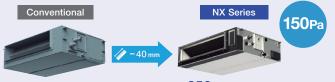
The indoor units have also been completely renewed, offering a 40 mm height reduction to only 250 mm<sup>\*</sup> and a weight reduction of up to 10%, all while maintaining the same powerful 150 Pa.

\* Compared to conventional model.





#### Space saving 250 mm height



Height 290 mm Weight\* 31 kg





#### STANDARD

Capacity [Btu/h(Phas	e]]		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 Unit			S-1821PF3Q	S-1821PF3Q	S-2430PF3Q	S-2430PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q	S-3448PF3Q
Outdoor Unit			U-18PR1Q6	U-21PR1Q6	U-24PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-43PR1Q9	U-48PR1Q6	U-48PR1Q9
Cooling Capacity: Rated	L (Mau)	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	I (IVIAX)	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-Ma	ax)	А	6.9[9.1]	8.7(11.0)	10.1(12.0)	11.5(15.5)	13.8(16.5)	18.7(26.0)	6.1(10.5)	22.5[28.0]	7.4(11.0)
Power Input: Rated (Mir	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
CUP/EEK		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 volume		cfm	565	565	740	740	1,270	1,270	1,270	1,270	1,270
External static pressu	ire	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/Lo)	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 (A)	58 / 52	58 / 52	58 / 52	58 / 52	63 / 53	63 / 53	63 / 53	63 / 53	63 / 53
Dimension	Indoor (HxWxD)	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
Net Weight	Indoor	kg	25	25	30	30	39	39	39	39	39
Outdoor Unit											
Sound Pressure Level		dB (A)	50	51	51	53	55	57	57	58	58
Sound Power Level		dB (A)	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
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)
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	Max	m	10	10	10	30	30	30	30	30	30
Additional Gas		g/m	15	15	15	25	25	25	25	25	25
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. \* STANDARD series indoor units can only be connected to outdoor units of the same series. \* CZ-CAPWFC1 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

# **Technical Focus**

Built-in Drain pump (DC motor pump)

Space saving height of 250mm for all models

250mm standardised height provides easy and uniform installation for models with different capacities, especially when ceiling heights are restricted.

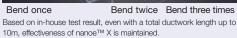
### Superior air quality

The new ducted models are equipped with nanoe™ X as standard, an unique air quality improvement technology producing twice the amount of hydroxyl radicals compared to previous generations. Combined with the strong static pressure this ensures

pristine nanoe™ X air travels unaffected even through multiple duct shapes at lengths of 10m, as well as making them ideal for use in larger spaces.



Note: PF3 and PE3 (16.0kW and below) ranges only.



#### Specifications of R32 STANDARD Series R32

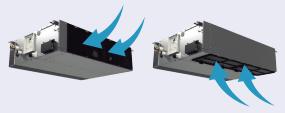


Built-in filter

Bend twice Bend three times

### Selectable air inlet position

A removable panel allows air inlet position to be adjusted to enable rear or bottom entry, depending on ductwork installation.





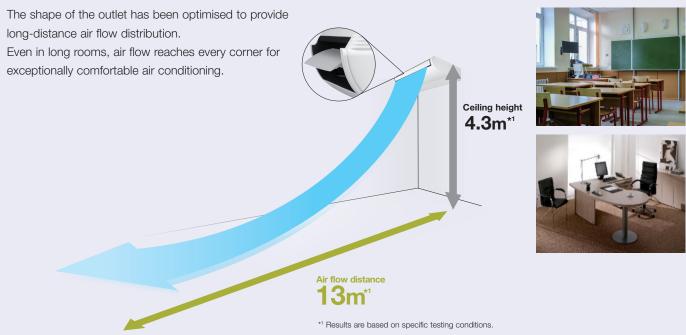
#### Specifications of R32 DELUXE Series R32

Capacity [Btu/h(Pha	se)]		17,100	20,500	24,200	34,100	42,700	42,700(3)	47,800	47,800(3)
Power Source V/Phase Hz				230V, 1Ø Phase - 60Hz			400V, 3Ø Phase - 60Hz	230V, 1Ø Phase - 60Hz	400V, 3Ø Phase - 60H	
Indoor Unit			S-18PT3QA	S-21PT3QA	S-24PT3QA	S-34PT3QA	S-43PT3QA	S-3448PT3QA	S-48PT3QA	S-3448PT3QA
Outdoor Unit			U-18PRH1Q6	U-21PRH1Q6	U-24PRH1Q6	U-34PRH1Q6	U-43PRH1Q6	U-43PRH1Q9	U-48PRH1Q6	U-48PRH1Q9
Cooling Capacity: Rate	d (Min Mau)	kW	5.00 (1.80-6.00)	6.00 (1.80-6.30)	7.10 (1.80-8.00)	10.00 (3.80-11.20)	12.50 (3.80-14.00)	12.50 (3.80-14.00)	14.00 (5.30-15.50)	14.00 (5.30-15.50)
Cooling Capacity: Rate	u (min-max)	Btu/h	17,100 (6,140-20,500)	20,500 (6,140-21,500)	24,200 (6,140-27,300)	34,100 (13,000-38,200)	42,700 (13,000-47,800)	42,700 (13,000-47,800)	47,800 (18,100-52,900)	47,800 (18,100-52,900)
Current: Rated (Max)		А	4.9 [9.1]	6.5 [11.0]	7.5 [12.0]	11.7 [25.5]	17.7 [26.0]	5.8 [10.5]	20.0 [28.0]	6.6 [11.5]
Power Input: Rated (M	in-Max)	kW	1.08 (0.27-1.43)	1.44 (0.27-1.72)	1.70 (0.25-2.15)	2.47 (0.68-3.04)	3.75 (0.68-4.40)	3.75(0.68-4.40)	4.24 (0.94-5.00)	4.24 (0.94-5.00)
CSPF			7.20	6.70	6.85	6.05	5.50	5.50	5.40	5.40
COP/EER		W/W	4.63	4.17	4.18	4.05	3.33	3.33	3.30	3.30
CUP/EER		Btu/hW	15.83	14.24	14.24	13.81	11.39	11.39	11.27	11.27
Indoor Unit										
Air Volume		m³/min	15.0	15.0	21.0	35.0	35.0	35.0	35.0	35.0
Air volume		cfm	530	530	740	1,235	1,235	1,235	1,235	1,235
Sound Pressure Level	(Hi/Lo)	dB (A)	38 / 29	38 / 29	40/32	46 / 38	46 / 38	46/38	46 / 38	46 / 38
Sound Power Level (Hi	/Lo]	dB (A)	56 / 47	56 / 47	58 / 50	64 / 56	64 / 56	64 / 56	64 / 56	64 / 56
Dimension	Indoor (H×W×D)	mm	235 x 960 x 690	235 x 960 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	40	40	40	40	40
Outdoor Unit										
Sound Pressure Level		dB (A)	50	51	53	54	57	57	58	58
Sound Power Level		dB (A)	69	70	72	73	76	76	77	77
Dimension	Outdoor (H×W×D)	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370				
Net Weight		kg	39	39	39	69	69	67	75	73
Disian 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)
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)
Pipe Length	Min-Max	m	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
Elevation Difference		m	30	30	30	30	30	30	30	30
Maximum Chargeless Length	Max	m	30	30	30	30	30	30	30	30
Additional Gas		g/m	15	15	25	25	25	25	25	25
Operation Range, Outdoor	Min-Max	°C	16-52	16-52	16-52	16-52	16-52	16-52	16-52	16-52

\* 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. \* DELUXE series indoor units can only be connected to outdoor units of the same series. \* CZ-CAPWFC1 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

# Advantages of Ceiling Exposed

### Comfortable, Long-Distance Airflow Distribution





#### STANDARD

Capacity [Btu/h[Phase]	)]		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 P	hase - 60Hz			400V, 3Ø Phase - 60Hz	230V, 1Ø Phase - 60Hz	400V, 3Ø Phase - 60H
Indoor Unit			S-18PT3Q	S-21PT3Q	S-24PT3Q	S-30PT3Q	S-34PT3Q	S-43PT3Q	S-3448PT3Q	S-48PT3Q	S-3448PT3Q
Outdoor Unit			U-18PR1Q6	U-21PR1Q6	U-24PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-43PR1Q9	U-48PR1Q6	U-48PR1Q9
Cooling Capacity: Rated (	Min Maul	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 (3.80-14.0
Cooling Capacity: Rated (	Min-Maxj	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 (13,000-47,80
Current: Rated (Max)		A	6.0(9.1)	8.6(11.0)	9.3[12.0]	12.2(15.5)	14.9(16.5)	19.4[26.0]	6.4(10.5)	21.3(28.0)	7.0(11.0)
Power Input: Rated (Min-	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
COF/EEK		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 (Hi	i/Lo)	dB (A)	38 / 29	38 / 29	40 / 32	40 / 32	46 / 38	46/38	46 / 38	46/38	46 / 38
Sound Power Level (Hi/Lo		dB	56 / 47	56 / 47	58 / 50	58 / 50	64 / 56	64 / 56	64 / 56	64 / 56	64 / 56
Dimension In	ndoor (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 69
Net Weight Ir	ndoor	kg	26	26	34	34	40	40	40	40	40
Outdoor Unit											
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
Dimension 0	utdoor (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
Piping Connection	as 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)
L L	iquid 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 M	lin-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 M	lax	m	10	10	10	30	30	30	30	30	30
Additional Gas		g/m	15	15	15	25	25	25	25	25	25
Operation Range, Outdoor M	lin-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. \* STANDARD series indoor units can only be connected to outdoor units of the same series. \* CZ-CAPWFC1 is a WLAN smart adaptor for connecting to the Comfort Cloud app.

# **NX Series Remote Controller Information**

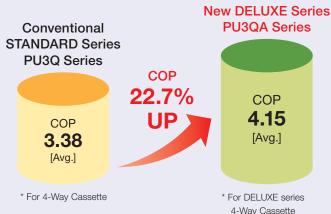
		C	compatibility Table	9
	CONEX Type	CZ-RTC6BLW Built-in BLE & WLAN	CZ-RTC6BL Built-in BLE	CZ-RTC6 255 ~~~~ ©
	Panasorio	0	0	_
Арр	Panasonio	0	0	_
	Panasonic	0	_	_
		11		

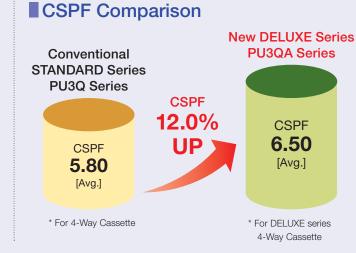
#### Specifications of R32 STANDARD Series R32

# **High Energy Efficiency**

## **Save Power Consumption** NX series has 2 Lineup DLX & STD series, choose STD and DLX series depend on the project requirements. For DLX series, the Coefficient of Performance has been especially improved to reduce power consumption.

### **COP** Comparison





## **Operation Temperature**

The operating range of the new NX series expanded up to outdoor air temperature of 52°C. Even in an extremely hot environment like Asian countries, they operate powerfully with its toughness.



## Long Piping Length







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



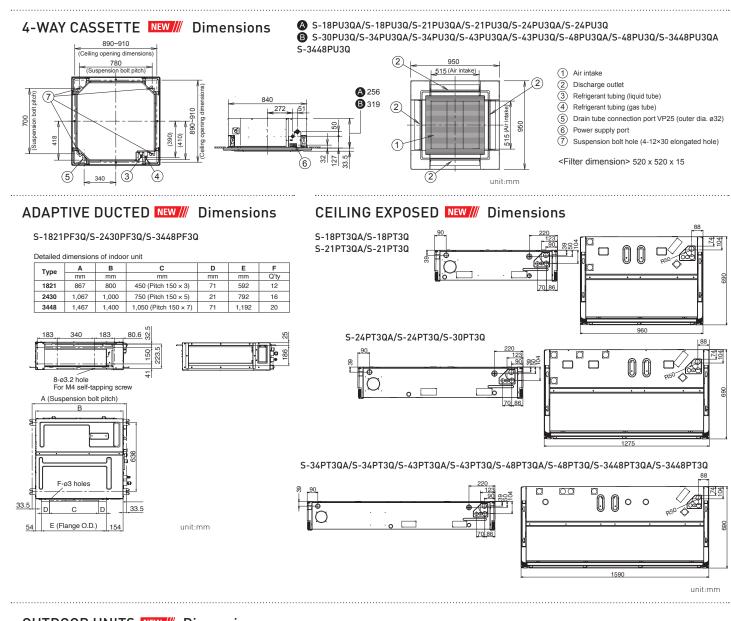
In-house manufactured compressor Panasonic all in-house manufactured compressors are supplied to the world. The cumulative total of high-quality compressors in use has reached 580 million units\* \* As of September 2019. (In-house research)

# Installation Instruction

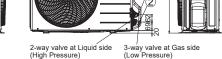
above : 5-50m

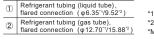


A strong and quiet drain pump The drain pump can pump water up to a height of 850 mm, making drain pipe layout easy. Supports for 4-way Cassette



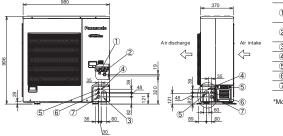
OUTDOOR UNITS NEW Dimensions U-18PR1Q6/U-21PR1Q6/U-24PR1Q6



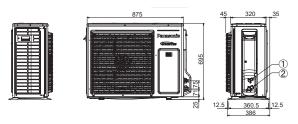


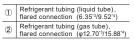
\*1 For U-18/21PR \*2 For U-24PR \*Mounting hole (4-R6.5), anchor bolt : M10

U-34PRH1Q6/U-43PRH1Q6/U-43PR1Q6/U-43PRH1Q9/U-43PR1Q9/U-48PRH1Q6 U-48PR1Q6/U-48PRH1Q9/U-48PR1Q9



U-18PRH1Q6/U-21PRH1Q6/U-24PRH1Q6/U-30PR1Q6/U-34PR1Q6





\*3 For U-18/21PRH \*4 For U-24PRH and U-30/34PR \*Mounting hole (4-R6.5), anchor bolt : M10

Refrigerant tubing (liquid tube) flared connection (Ø9.52) Refrigera flared cor rant tubing (gas tube onnection (Ø15.88) Refrigerant tubing por Electrical wiring port (Ø13 lectrical wiring port (Ø22 Electrical wiring port (Ø27 Electrical wiring port (Ø35)

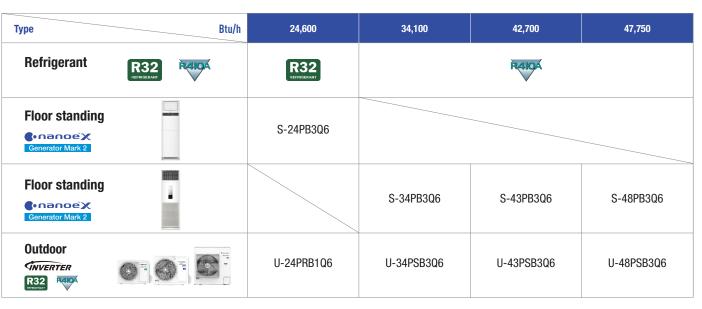
Mounting hole (4-R6 5) anchor holt · M10

unit:mm

FL00	R S	ΤΑΙ	NDING			
<ul><li>Stylish desig</li><li>The control p</li></ul>	n & poweri banel/remo	ful air flow te control		,		
(S-24PB306 Accessory)	(S-24PB30 Control Par	nel)	(S-34/43/48 PB3Q6 Accessory)	(S-34/43/48 PB3Q6 Control Panel)	S-24PB3Q6	S-34PB3Q6/ S-43PB3Q6/ S-48PB3Q6
e and				Coverter Consistent	Generator Mark 2	Generator Mark 2
Capacity (Btu/h)			24,600	34,100	42,700	47,750
Power Source		V/Phase Hz			OV, 1Ø Phase - 60Hz	1
Indoor			S-24PB3Q6	S-34PB3Q6	S-43PB3Q6	S-48B3Q6
Outdoor			U-24PRB1Q6	U-34PSB3Q6	U-43PSB3Q6	U-48PSB3Q6
Cooling Capacity: Rated (Min-	Max	kW	7.25 (1.00-7.50)	10.00 (1.20-10.30)	12.53 (2.00-13.50)	14.00 (2.00-14.60)
• • •		Btu/h	24,600 (3,410-25,570)	34,100 (4,090-35,120)	42,700 (6,820-46,030)	47,750 (6,820-49,780)
Current: Rated (Max)		A	11.2 (13.7)	15.1 (16.9)	20.3 (26.9)	25.6 (28.1)
Cooling Power Input: Rated (N	Min-Max)	kW	2.55 (0.21-2.80)	3.45 (0.30-3.60)	4.47 (0.80-5.00)	5.60 (0.80-5.70)
CSPF			4.05	4.06	4.06	4.06
Cooling Rated COP/EER		W/W	2.84	2.89	2.80	2.50
<b>.</b>		Btu/hW	9.64	9.88	9.55	8.52
Indoor Unit			-			
Cooling Air Volume		m³/min	15.5	32.0	32.0	32.0
3		cfm	547	1,130	1,130	1,130
Sound Pressure Level (Hi/Lo)		dB (A)	45 / 33	53 / 44	53 / 44	53 / 44
Sound Power Level (Hi/Lo)		dB (A)	58 / 46	66 / 57	66 / 57	66 / 57
	ndoor (HxWxD)	mm	1,680 x 500 x 318	1,880 x 600 x 357	1,880 x 600 x 357	1,880 x 600 x 357
	ndoor	kg	29.5	45.0	45.0	45.0
Outdoor						
Sound Pressure Level		dB (A)	54	54	55	56
Sound Power Level		dB (A)	67	67	68	69
Dimension Outdoor (HxWxD)		mm	626 x 825 x 320	786 x 900 x 320	996 x 940 x 340	996 x 940 x 340
Net Weight		kg	36.0	45.0	74.0	74.0
	as Pipe	mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
L	iquid Pipe	mm (inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	1in-Max	m	3 - 40	7.5 - 50	7.5 - 50	7.5 - 50
Elevation Difference (Outdoor		m	20	20	30	30
Maximum Chargeless Length	Max	m	15	20	20	20
Additional Gas		g/m	10	40	50	50
Operation Range, Outdoor N		°C	18-43 er to technical documents for more of	18-43	18-43	18-43

# **Product Lineup**

- All new models equipped with nanoe<sup>™</sup> X Generator Mark 2 as standard
- Little installation work required, easy to clean
- Adjustable airflow direction provides a comfortable space for all

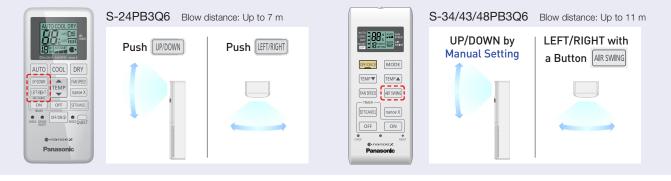


#### FLOOR STANDINGS NEW Dimensions

\* 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 9 612 and JIS B 8616.

## Clean airflow direction control with remote controller

### Easily swing the louvre at the touch of a button.



## **Other Functions**

### Random auto restart

During a power failure, when power is restored, it automatically restarts operating in the same mode as just before power was lost.

### Auto fan mode

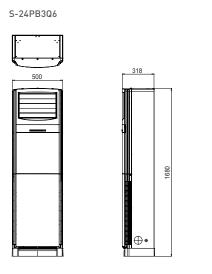
When the auto fan mode is set, the indoor unit of the air conditioner automatically is adjusted the suitable fan speed according to factors such as load.

### 12-hour On/Off delay setting timer

Pressing the timer button on the remote control lets you set operation start/stop time within 12 hours of the current time.

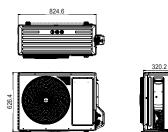


\* The images above show the remote controller screen display.



### OUTDOOR UNITS NEW Dimensions

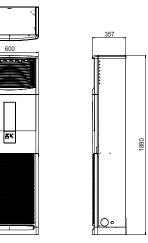
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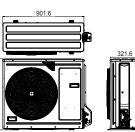


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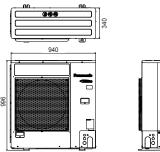














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