

Panasonic

RESIDENTIAL PREMIUM INVERTER DUCTED AIR CONDITIONING 2020 / 2021



 nanoeX™

R32
REFRIGERANT



A Better Life, A Better World

QUALITY AIR FOR LIFE

Panasonic Air Conditioning 24-hour nanoe™ X Air Purification*



Source: <https://www.businessinsider.com/coronavirus-lifespan-on-surfaces-graphic-2020-3>
*Unit must be constantly turned on and operating in the air purification mode - nanoe™ X.

Product Line-Up

Cooling Capacity

6.0kW

7.1kW

10.0kW

12.5kW

R32
REFRIGERANT

R32
Deluxe
Model

NEW ///



S-71PE3R

NEW ///



S-100PE3R

NEW ///



S-125PE3R

NEW ///



U-71PZH3R5

NEW ///



U-100PZH3R5
U-100PZH3R8*

NEW ///



U-125PZH3R5
U-125PZH3R8*

R32
REFRIGERANT

R32
Compact
Model

NEW ///



S-60PE3R

NEW ///



S-71PE3R

NEW ///



S-100PE3R

NEW ///



S-125PE3R

NEW ///



U-60PZ3R5

NEW ///



U-71PZ3R5

NEW ///



U-100PZ3R5
U-100PZ3R8*

NEW ///



U-125PZ3R5
U-125PZ3R8*



CONEX

(CZ-RTC6BLW)

NX Series

nanoe™ X is installed across the NX series, which also features stylish new Bluetooth and WLAN-equipped CONEX remote controllers.

CONEX (CZ-RTC6BLW) lets you switch nanoe™ X off and on no matter where you are, giving you 24 hr access to clean air in your room.

14.0kW

16.0kW

18.0kW

20.0kW

22.4kW

NEW ///



S-140PE3R

NEW ///



S-160PE3R



S-180PE3R5B**



S-200PE3R5B**



S-224PE3R5B**

NEW ///



U-140PZH3R5
U-140PZH3R8*



U-160PZH2R5**
U-160PZH2R8**



U-180PZH2R8**



U-200PZH2R8**



U-224PZH2R8**

NEW ///



S-140PE3R

NEW ///



U-140PZH3R5
U-140PZH3R8*

*3-Phase **NX Series 6.0kW-16kW indoor units, 6.0kW-14kW outdoor units only

Live Better with 24-hour nanoe™ X Air Purification*

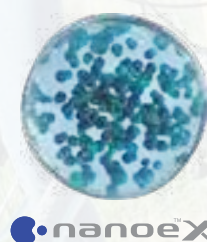
While the general filters in air purifiers are effective against airborne bacteria and viruses, nanoe™ X also works to inhibit longer-living, adhered bacteria and viruses. As well as this, the CONEX IoT remote control (CZ-RTC6BLW) gives you access to your air conditioner anywhere, anytime, so you can turn nanoe™ X on even while you're out and enjoy 24-hour quality air in your home.

*Unit must be constantly turned on and operating in the air purification mode - nanoe™ X.

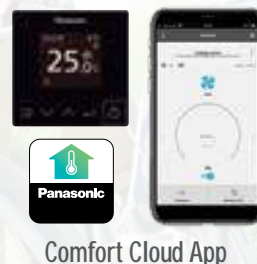


The Key Technologies

Thanks to the groundbreaking combination of Panasonic's unique nanoe™ X air cleaning technology and the IoT-enabled CONEX remote control (CZ-RTC6BLW), you can now have control of clean, clear air whenever you need it.



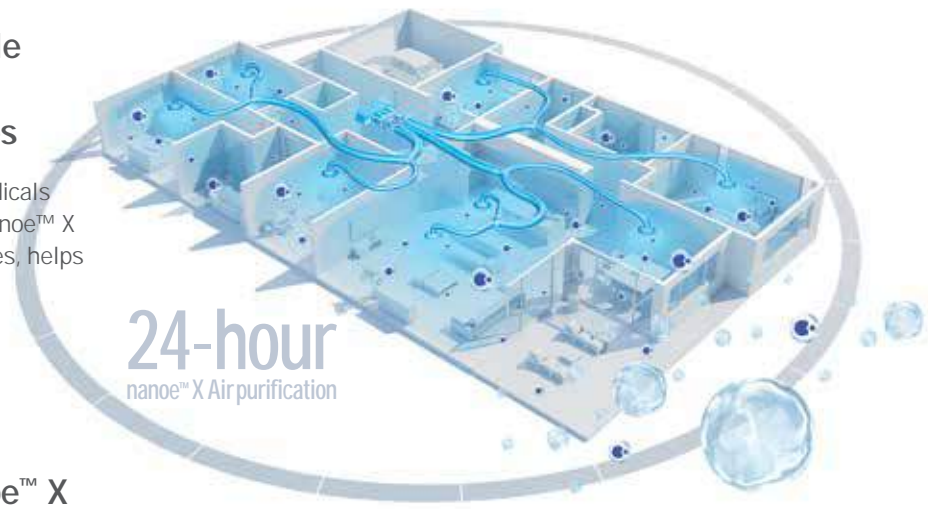
+



01 Healthy Air for a Healthy Home with nanoe™ X

Cleaning Your Whole Home by Inhibiting Bacteria and Viruses

Up to 9.6 trillion hydroxyl radicals are releasing per second, nanoe™ X inhibiting bacteria and viruses, helps keeping your home clean.

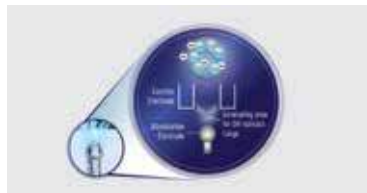


Uniqueness of nanoe™ X



Effective on fabrics and surfaces

Nano-sized (5-20nm) nanoe™ X can penetrate cloth fibres to inhibit adhered pollutants.



Maintenance-free

The nanoe™ X device requires no maintenance as its atomisation electrode is enveloped with water during its generation process and it is made of Titanium.



Actively fill in the room

Hydroxyl radicals contained in water actively fill an entire room and go beyond the filter to inhibit adhered and airborne viruses.

02 Comfort Cloud App Control with CONEX*

24hr nanoe™ X Air Purification App Control

CONEX (CZ-RTC6BLW) comes with WLAN allowing you to control and monitoring your air conditioner anytime, anywhere via Comfort Cloud App. Now you can turn on nanoe™ X even when you are at outside, and coming home to a house filling with clean air.

*CZ-RTC6BLW



Switch on and purify when you are at outside



Cool and purify when you are at home



Bringing Nature's Balance Indoors

nanoe™ X, Technology with The Benefits of Hydroxyl Radicals

The Well-Being Benefits of Nature Are Well Known-But Do You Know The Power of Hydroxyl Radicals?

Abundant in nature, hydroxyl radicals (also known as OH radicals) inhibit pollutants, viruses, and bacteria to clean and deodorise. nanoe™ X, technology can bring these incredible benefits indoors so that hard surfaces, soft furnishings, and the indoor environment can be a cleaner and pleasant place to be, whether at home, at work, or visiting hotels, shops, restaurants etc.

Hydroxyl radicals contained in water

A Naturally Occurring Process

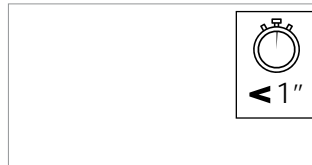
Hydroxyl radicals are unstable molecules looking to react with other elements such as hydrogen molecules of pollutants, capturing it. Thanks to this reaction, hydroxyl radicals inhibit the growth of pollutants such as viruses, bacteria, moulds, and odours, breaking them down and neutralising the unpleasant effects. This naturally occurring process has major benefits to improve indoor environments.

nanoe™ X, Technology with The Benefits of Hydroxyl Radicals

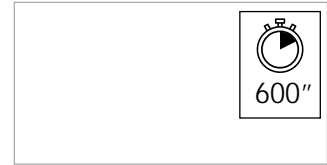
Panasonic's nanoe™ X Technology Takes a Step Further and Brings Nature's Detergent - Hydroxyl Radicals - Indoors to Help Create an Ideal Environment.

By creating hydroxyl radicals contained in water, nanoe™ X technology significantly boosts their effectiveness, increasing hydroxyl radicals lifetime from less than a second in nature, to more than 600 seconds – 10 minutes.

Source: <https://www.panasonic.com/global/consumer/clean/hydroxyl/technology.html>



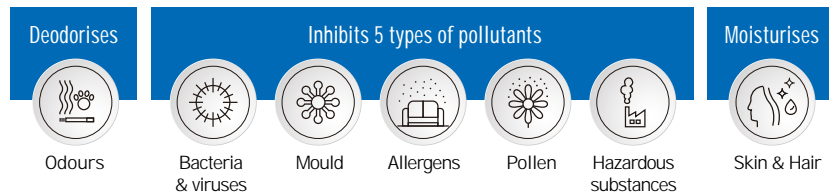
Hydroxyl radicals in nature



Hydroxyl radicals contained in water - nanoe™ X

Effectiveness of nanoe™ X

nanoe™ X deodorises, inhibits bacteria & viruses, mould, allergens, pollen and hazardous substances, as well as moisturising the whole room for smoother skin and hair.



For further details and validation data, please refer to the following website:
https://aircon.panasonic.com/introducing/whats_nanoe/nanoeX.html



How to Inhibit Pollutants

Thanks to The nanoe™ X Properties, Several Types of Pollutants can be Inhibited.

nanoe™ X reliably reaches pollutants.

Hydroxyl radicals transform pollutants' proteins.

Pollutants activity is inhibited.

Sensitive Choice

Sensitive Choice is a community service program that aims to educate people on the importance of managing asthma and allergies. Developed by the National Asthma Council Australia in 2006, the program also encourages companies to produce products and services that are more asthma and allergy aware. Panasonic and Sensitive Choice have partnered to introduce nanoe™ X to the Australia market.



Smart Comfort with CONEX

CONEX goes beyond simple remote control to combine sophistication with simplicity, offering IoT integration that connects directly to a variety of apps for next-generation solutions.



Simple and Sophisticated Design In-and-Out

User friendly interface with stylish design measuring just 86 x 86 mm, CONEX is an extremely compact remote control which perfectly matches with all kinds of modern room.

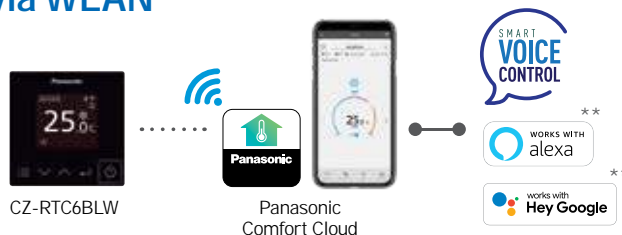


CONEX

(CZ-RTC6BL / CZ-RTC6BLW)

Intuitive User Interface and Convenient Centralised Solutions via WLAN

CONEX(CZ-RTC6BLW) & Comfort Cloud make managing multiple home air conditioning units from just one mobile device. And enjoy the convenience of operating your air conditioners using* Smart Voice Control anytime, anywhere.



Compatible device and browsers

1. iOS 9.0 or above
2. Android 4.4 or above



* Additional accessories and devices are required.
 ** To use Amazon Alexa to control your air conditioner, you will need an Amazon Echo device. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.
 To use Google Assistant to control your air conditioner, you will need an Google Assistant device.
 Google and Google Play are trademarks of Google LLC.



Turn on nano™ X by Comfort Cloud

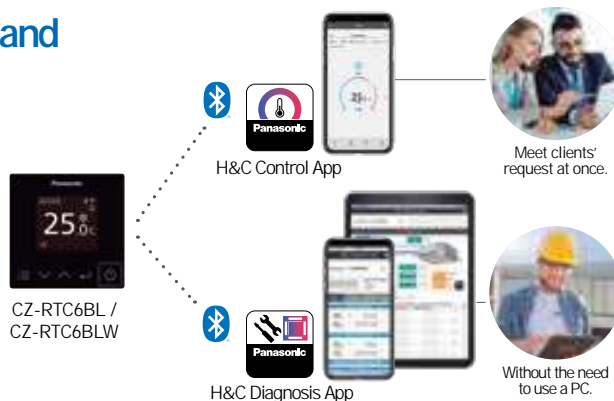


nano™ X technology help to keep your living spaces fresh and clean

True Comfort for End User, Installer and Service Partner Via Bluetooth®.

H&C Control App makes scheduling setting and complex initial set-up easy and respond swiftly to clients' requests. It's now simpler than ever for clients to further customize settings to meet their needs and perform day-to-day operations.

H&C Diagnosis App makes it easy for service partners to view all the information they need to quickly diagnose any issues an air conditioner may have.



New wired RC & Monitor adaptor & App compatibility

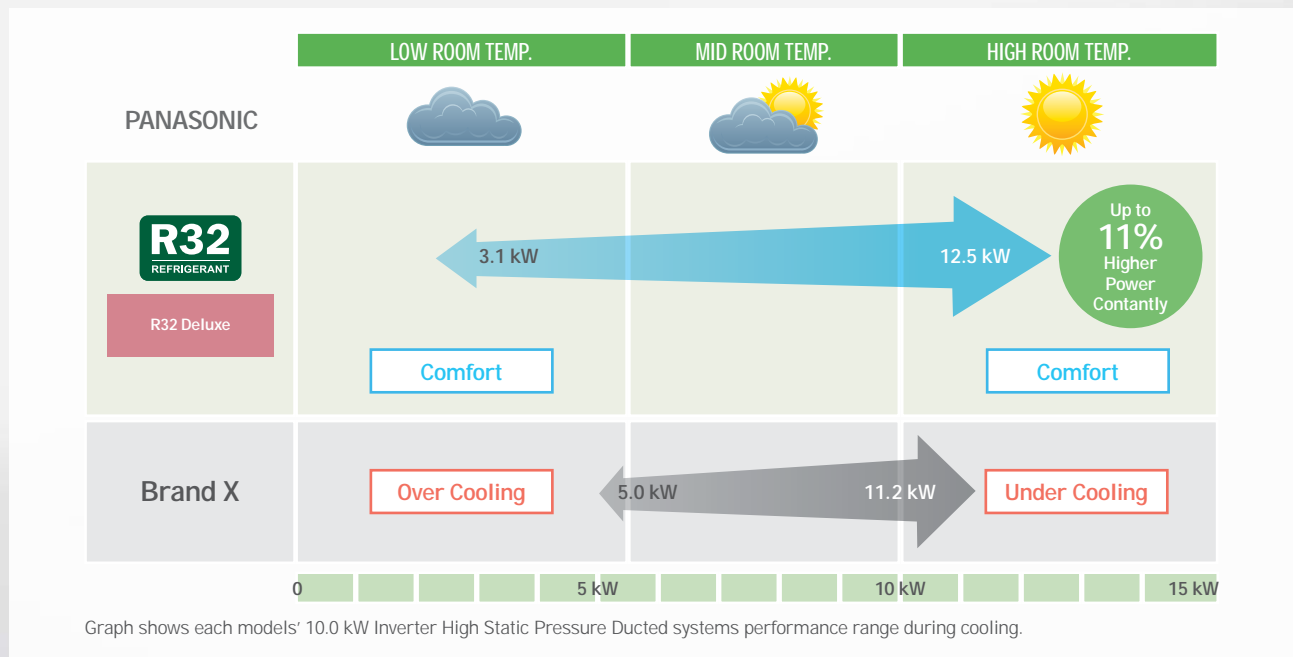
			Wired RC BLE CZ-RTC6BL Bluetooth	Wired RC BLE&WLAN CZ-RTC6BLW Bluetooth	WLAN adaptor CZ-CAPWFC1	Monitor adaptor for diagnosis New service checker* Bluetooth
PZH2 / PZ2 series				×		×
NX series	NX series ODU × NX series IDU					
	PZH2 / PZ2 series ODU × NX series IDU					×

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

The Reason Why Choose Panasonic

Constant Comfort Air Conditioning

Another advantage of Panasonic Premium Inverter technology includes its ability to ensure precise temperature control and offer a wider power output range to perform in even the most extreme conditions in Australia, ensuring constant comfort.



All Side Discharge R32 Outdoor Units

Panasonic's new range of outdoor units feature intuitive technology and thoughtful engineering. The two innovative ranges of R32 units, both Deluxe and Compact, feature energy and space saving technologies, allowing installation in even the tightest and demanding conditions.



Class Leading Features



Energy Saving Technologies

Panasonic's Premium Inverter technology creates a powerhouse energy-saving ducted air-conditioning system with the ability to lower both cooling capacity and power consumption when required. Panasonic's clever technologies benefit both the environment and your power bill, so your green intention won't prevent you from living a comfortable life.



Designed for The Australian Environment

Our Premium Inverter ducted systems boast an outstanding operating temperature range. Cooling operation is possible even when it is a scorching 48°C outside, which is perfect for Australia's hot summer days and the heating operation is designed to operate even when it's a freezing -20°C outside, so even the coldest parts of Australia are covered.

* In case of R32 Deluxe Models up to 14kW



Superior Technology Makes Superior Systems

- Demand Response Enabling Device (DRED) ready
- Panasonic Premium Inverter technology
- DC fan motor*
- Incredibly quiet operation
- Compact indoor and outdoor design
- Easy interfacing for remote On/Off, control outputs, and third party control.

* Excludes 12.5kW and 14.0kW



Quite Operation

Panasonic Premium Inverter ducted 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.



Cold Drafts Reduced During Winter

Cold drafts during start-up are a common unwanted side effect of ducted air conditioning systems. During heating mode Panasonic Premium Inverter ducted air conditioners employ clever sensor technology that allows airflow to enter the room when it has been warmed. This great feature reduces cold drafts, keeping you comfortable at all times.



You Can 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.

Specifications

R32 Deluxe Model



nanoe™ X as a standard*

*nanoe X Generator Mark 2 (except for 18.0-22.4kW)

Indoor Unit

Hidden in your ceiling

NEW



7.1kW – 10.0kW

S-71PE3R / S-100PE3R

NEW



12.5kW – 16.0kW

S-120PE3R / S-140PE3R / S-160PE3R



18.0kW – 22.4kW

S-180PE3R5B / S-200PE3R5B / S-224PE3R5B

Outdoor Unit

Sits outside your home

NEW



7.1kW

U-71PZH3R5

NEW



10.0kW – 14.0kW

U-100PZH3R5 / U-100PZH3R8* / U-125PZH3R5
U-125PZH3R8* / U-140PZH3R5 / U-140PZH3R8*

*3-Phase



16.0kW – 22.4kW

U-160PZH2R5 / U-160PZH2R8*
U-180PZH2R8* / U-200PZH2R8*
U-224PZH2R8*

*3-Phase

Capacity			7.1kW		10.0kW		12.5kW					
Model Name		Indoor Unit	S 71PE3R		S 100PE3R		S 100PE3R		S 125PE3R		S 125PE3R	
		Outdoor Unit	U 71PZH3R5		U 100PZH3R5		U 100PZH3R8		U 125PZH3R5		U 125PZH3R8	
Cooling capacity :	kW		7.1 (2.2 - 9.0)		10.0 (3.1 - 12.5)		10.0 (3.1 - 12.5)		12.5 (3.2 - 14.0)		12.5 (3.2 - 14.0)	
			8.0 (2.0 - 9.0)		11.2 (3.1 - 14.0)		11.2 (3.1 - 14.0)		14.0 (3.2 - 16.0)		14.0 (3.2 - 16.0)	
Heating capacity	BTU/h		24,200 (7,500 - 30,700)		34,100 (10,600 - 42,700)		34,100 (10,600 - 42,700)		42,700 (10,900 - 47,800)		42,700 (10,900 - 47,800)	
			27,300 (6,800 - 30,700)		38,200 (10,600 - 47,800)		38,200 (10,600 - 47,800)		47,800 (10,900 - 54,600)		47,800 (10,900 - 54,600)	
EER : COP	W/W		3.48 : 3.88		3.79 : 3.78		3.79 : 3.78		3.57 : 3.80		3.57 : 3.80	
COP@H2 condition	W/W		2.80		2.77		2.77		2.72		2.72	
Total power input	kW	Cooling : Heating	2.04 : 2.06		2.64 : 2.96		2.64 : 2.96		3.50 : 3.68		3.50 : 3.68	
TCSPF : HSPF	Residential	Hot Climate	4.68 : 4.82		5.04 : 5.10		5.04 : 5.10		4.92 : 5.17		4.92 : 5.17	
		Average Climate	4.11 : 4.22		4.46 : 4.34		4.46 : 4.34		4.49 : 4.40		4.49 : 4.40	
		Cold Climate	4.19 : 3.79		4.54 : 3.93		4.54 : 3.93		4.60 : 3.90		4.60 : 3.90	
	Commercial	Hot Climate	5.15 : 4.85		5.55 : 5.15		5.55 : 5.15		5.36 : 5.23		5.36 : 5.23	
		Average Climate	5.00 : 4.52		5.47 : 4.73		5.47 : 4.73		5.55 : 4.80		5.55 : 4.80	
		Cold Climate	5.37 : 4.11		5.87 : 4.32		5.87 : 4.32		5.97 : 4.31		5.97 : 4.31	
Indoor Unit												
Power source	Phase/Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz	
	V		230V 240V		230V 240V		230V 240V		230V 240V		230V 240V	
Current	Cooling : Heating		-		-		-		-		-	
Dimension	H x W x E	Indoor	360 X 1,200 X 700		360 X 1,200 X 700		360 X 1,200 X 700		430 X 1,200 X 700		430 X 1,200 X 700	
Net weight	Indoor		kg		37		37		41		41	
Air volume (H/M/L)	Cooling : Heating		L/s		501 / 434 / 367 : 501 / 434 / 367		668 / 584 / 484 : 668 / 584 / 484		668 / 584 / 484 : 668 / 584 / 484		835 / 768 / 601 : 835 / 768 / 601	
External static pressure			Pa		100 (10 - 150)		100 (10 - 150)		100 (10 - 150)		100 (10 - 150)	
Sound pressure level (H/M/L)	Cooling : Heating		dB(A)		45 / 44 / 43 : 45 / 44 / 43		48 / 46 / 44 : 48 / 46 / 44		48 / 46 / 44 : 48 / 46 / 44		49 / 47 / 45 : 49 / 47 / 45	
Sound power level (H/M/L)	Cooling : Heating		dB		62 / 61 / 60 : 62 / 61 / 60		70 / 68 / 66 : 70 / 68 / 66		70 / 68 / 66 : 70 / 68 / 66		71 / 69 / 67 : 71 / 69 / 67	
Number of fan speeds			3		3		3		3		3	
Drain piping			mm		VP-25		VP-25		VP-25		VP-25	
Outdoor Unit			Phase/Hz		1 Phase / 50Hz		1 Phase / 50Hz		3 Phase / 50Hz		1 Phase / 50Hz	
Power source	V		230V 240V		230V 240V		400V 415V		230V 240V		400V 415V	
	Cooling : Heating		A		9.85 : 9.95 : 9.55 : 9.65		12.8 : 14.3 12.2 : 13.7		4.25 : 4.75 4.15 : 4.60		5.60 : 5.90 : 5.40 : 5.70	
Dimension	H x W x D		mm		996 x 940 x 340		1,416 x 940 x 340		1,416 x 940 x 340		1,416 x 940 x 340	
Net weight			kg		66		99		99		99	
Air volume	Cooling : Heating		L/s		1,018 : 1,002		1,970 : 1,803		1,970 : 1,803		2,087 : 1,870	
Sound pressure level (Silent mode)	Cooling : Heating		dB(A)		48 (46) : 50 (48)		52 (50) : 52 (50)		52 (50) : 52 (50)		53 (51) : 53 (51)	
Sound power level (Silent mode)	Cooling : Heating		dB		64 (62) : 66 (64)		68 (66) : 68 (66)		68 (66) : 68 (66)		69 (67) : 69 (67)	
Piping connections	Liquid / Gas		mm		Ø9.52 / Ø15.88		Ø9.52 / Ø15.88		Ø9.52 / Ø15.88		Ø9.52 / Ø15.88	
Pipe length range	min. - max.		m		5 - 50		5 - 85		5 - 85		5 - 85	
Elevation difference (OU located lower, OU located higher)			m		15, 30		15, 30		15, 30		15, 30	
Maximum chargeless length			m		30		30		30		30	
Refrigerant at shipping / Additional gas amount			g		R32 1,950 / 45 (g/m)		R32 3,050 / 45 (g/m)		R32 3,050 / 45 (g/m)		R32 3,050 / 45 (g/m)	
Operating range	Cooling : Heating		°C		-15 to 48 : -20 to 24		-15 to 48 : -20 to 24		-15 to 48 : -20 to 24		-15 to 48 : -20 to 24	

Notes:

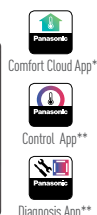
- In the case of nanoe X OFF • In case it is necessary to indicate the air flow volume in (L/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
- AEER and ACOP classification is at 230V(400V) only in accordance with GEMS2019. • TCSPF, HSPF and Total Energy consumption indicate the value of average temperature zone.
- Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions
- Tubing size may differ depending on pipe length. Please refer to technical documents.
- *Additional gas amount is 45g/m when the piping length is under 50m and 60g/m when the piping length is over 50m.



Optional Controller

Variety of options, easy to use

NEW



CZ-RTC6 / CZ-RTC6BL / CZ-RTC6BLW CONEX High-Spec.

This wired remote controller offer IoT integration that connects directly to a variety of apps.



CZ-RTC5B Deluxe Wired Remote Controller

This optional backlit LED large controller can be installed in your bed room so you can change the temperature during the night without turning on the light.



CZ-RTC4 Wired Remote Controller

The wall control with its large LCD display gives you full operational access and can be easily customised to suit your unique requirements.



CZ-RWS3 + CZ-RWRC3 Wireless Remote Controller

This wireless remote controller gives you the convenience to operate the unit from anywhere in the room.



PAC Smart Connectivity SER8150

The new form for control solutions that achieves high IAQ while saving energy.



CZ-CAPWFC1 Network Adaptor

Anywhere, anytime control and monitoring multiple air conditioning units.

*only for CZ-RTC6BLW
**only for CZ-RTC6BL and CZ-RTC6BLW

Note: CZ-RTC6BL, CZ-RTC6BLW, CZ-RTC5B or selected wireless remote controller is needed to turn on or turn off nanoe™ X, please consult Panasonic for details.

14.0kW		16.0kW		18.0kW		20.0kW		22.0kW	
S 140PE3R	S 140PE3R	S 160PE3R	S 160PE3R	S 180PE3R5B	S 180PE3R5B	S 200PE3R5B	S 200PE3R5B	S 224PE3R5B	S 224PE3R5B
U 140PZH3R5	U 140PZH3R8	U 160PZH2R5	U 160PZH2R8	U 180PZH2R8	U 180PZH2R8	U 200PZH2R8	U 200PZH2R8	U 224PZH2R8	U 224PZH2R8
14.0 (3.3 - 16.0)	14.0 (3.3 - 16.0)	16.0 (5.5 - 18.0)	16.0 (5.5 - 18.0)	18.0 (5.5-20.0)	18.0 (5.5-20.0)	20.0 (5.7-22.4)	20.0 (5.7-22.4)	22.4 (5.7-25.0)	22.4 (5.7-25.0)
16.0 (3.3 - 18.0)	16.0 (3.3 - 18.0)	18.0 (5.5 - 20.0)	18.0 (5.5 - 20.0)	20.0 (5.5-22.4)	20.0 (5.5-22.4)	22.4 (5.0-25.0)	22.4 (5.0-25.0)	25.0 (4.9-28.0)	25.0 (4.9-28.0)
47,800 (11,300 - 54,600)	47,800 (11,300 - 54,600)	54,600 (18,800 - 61,400)	54,600 (18,800 - 61,400)	61,400 (18,800-68,200)	61,400 (18,800-68,200)	60,000 (19,400-76,400)	60,000 (19,400-76,400)	76,400 (19,400-85,300)	76,400 (19,400-85,300)
54,600 (11,300 - 61,400)	54,600 (11,300 - 61,400)	61,400 (18,800 - 68,200)	61,400 (18,800 - 68,200)	68,200 (18,800-76,400)	68,200 (18,800-76,400)	76,400 (17,100-85,300)	76,400 (17,100-85,300)	85,300 (16,700-95,500)	85,300 (16,700-95,500)
3.26 : 3.68	3.26 : 3.68	3.29 : 3.53	3.29 : 3.53	3.20 : 3.75	3.20 : 3.75	3.33 : 3.67	3.33 : 3.67	3.09 : 3.52	3.09 : 3.52
2.65	2.65	2.81	2.81	2.90	2.90	2.70	2.70	2.60	2.60
4.30 : 4.35	4.30 : 4.35	4.86 : 5.10	4.86 : 5.10	5.63 : 5.33	5.63 : 5.33	6.00 : 6.10	6.00 : 6.10	7.24 : 7.10	7.24 : 7.10
4.29 : 4.69	4.29 : 4.69	4.21 : 4.61	4.21 : 4.61	4.35 : 5.00	4.35 : 5.00	4.33 : 4.35	4.33 : 4.35	3.99 : 4.53	3.99 : 4.53
3.92 : 4.07	3.92 : 4.07	3.80 : 3.99	3.80 : 3.99	3.92 : 4.27	3.92 : 4.27	3.96 : 3.87	3.96 : 3.87	3.67 : 3.86	3.67 : 3.86
4.03 : 3.62	4.03 : 3.62	3.85 : 3.55	3.85 : 3.55	4.02 : 3.74	4.02 : 3.74	4.03 : 3.43	4.03 : 3.43	3.76 : 3.38	3.76 : 3.38
4.63 : 4.74	4.63 : 4.74	4.53 : 4.63	4.53 : 4.63	4.75 : 5.03	4.75 : 5.03	4.64 : 4.35	4.64 : 4.35	4.27 : 4.65	4.27 : 4.65
4.60 : 4.39	4.60 : 4.39	4.54 : 4.28	4.54 : 4.28	4.77 : 4.62	4.77 : 4.62	4.72 : 4.08	4.72 : 4.08	4.30 : 4.27	4.30 : 4.27
4.91 : 3.96	4.91 : 3.96	4.80 : 3.88	4.80 : 3.88	5.11 : 4.12	5.11 : 4.12	5.00 : 3.70	5.00 : 3.70	4.56 : 3.77	4.56 : 3.77
1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz
230V 240V	230V 240V	230V 240V	230V 240V	230V 240V	230V 240V	230V 240V	230V 240V	230V 240V	230V 240V
-	-	2.41 : 2.41 2.38 : 2.38	2.41 : 2.41 2.38 : 2.38	3.10 : 3.10 3.00 : 3.00	3.10 : 3.10 3.00 : 3.00	3.30 : 3.30 3.20 : 3.20	3.30 : 3.30 3.20 : 3.20	4.20 : 4.20 4.10 : 4.10	4.20 : 4.20 4.10 : 4.10
430 X 1,200 X 700	430 X 1,200 X 700	430 X 1,200 X 700	430 X 1,200 X 700	486 X 1,456 X 916	486 X 1,456 X 916	486 X 1,456 X 916	486 X 1,456 X 916	486 X 1,456 X 916	486 X 1,456 X 916
50	50	50	50	85	85	86	86	88	88
1,002 / 835 / 701 : 1,002 / 835 / 701	1,002 / 835 / 701 : 1,002 / 835 / 701	1,002 / 835 / 701 : 1,002 / 835 / 701	1,002 / 835 / 701 : 1,002 / 835 / 701	1,200 / 1,050 / 883 : 1,200 / 1,050 / 883	1,200 / 1,050 / 883 : 1,200 / 1,050 / 883	1,200 / 1,050 / 883 : 1,200 / 1,050 / 883	1,200 / 1,050 / 883 : 1,200 / 1,050 / 883	1,400 / 1,200 / 983 : 1,400 / 1,200 / 983	1,400 / 1,200 / 983 : 1,400 / 1,200 / 983
100 (Max.150)	100 (Max.150)	100 (Max.150)	100 (Max.150)	60 (Max.150)	60 (Max.150)	60 (Max.180)	60 (Max.180)	75 (Max.200)	75 (Max.200)
51 / 49 / 47 : 51 / 49 / 47	51 / 49 / 47 : 51 / 49 / 47	51 / 49 / 47 : 51 / 49 / 47	51 / 49 / 47 : 51 / 49 / 47	46 / 44 / 41 : 46 / 44 / 41	46 / 44 / 41 : 46 / 44 / 41	46 / 44 / 41 : 46 / 44 / 41	46 / 44 / 41 : 46 / 44 / 41	47 / 45 / 42 : 47 / 45 / 42	47 / 45 / 42 : 47 / 45 / 42
73 / 71 / 69 : 73 / 71 / 69	73 / 71 / 69 : 73 / 71 / 69	73 / 71 / 69 : 73 / 71 / 69	73 / 71 / 69 : 73 / 71 / 69	78 / 76 / 73 : 78 / 76 / 73	78 / 76 / 73 : 78 / 76 / 73	78 / 76 / 73 : 78 / 76 / 73	78 / 76 / 73 : 78 / 76 / 73	79 / 77 / 74 : 79 / 77 / 74	79 / 77 / 74 : 79 / 77 / 74
3	3	3	3	3	3	3	3	3	3
VP-25	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25
1 Phase / 50Hz	3 Phase / 50Hz	1 Phase / 50Hz	3 Phase / 50Hz	3 Phase / 50Hz	3 Phase / 50Hz	3 Phase / 50Hz	3 Phase / 50Hz	3 Phase / 50Hz	3 Phase / 50Hz
230V 240V	400V 415V	230V 240V	400V 415V	400V 415V	400V 415V	400V 415V	400V 415V	400V 415V	400V 415V
19.7 : 19.9 18.9 : 19.1	6.60 : 6.70 6.35 : 6.45	20.0 : 21.1 19.1 : 20.1	6.95 : 7.30 6.65 : 7.00	8.00 : 7.55 7.70 : 7.25	8.00 : 7.55 7.70 : 7.25	8.45 : 8.60 8.15 : 8.30	8.45 : 8.60 8.15 : 8.30	9.95 : 9.75 9.60 : 9.40	9.95 : 9.75 9.60 : 9.40
1,416 x 940 x 340	1,416 x 940 x 340	1,500 x 980 x 370	1,500 x 980 x 370	1,500 x 980 x 370	1,500 x 980 x 370	1,500 x 980 x 370	1,500 x 980 x 370	1,500 x 980 x 370	1,500 x 980 x 370
99	99	117	115	115	115	128	128	128	128
2,154 : 1,937	2,154 : 1,937	2,738 : 2,738	2,738 : 2,738	2,733 : 2,733	2,733 : 2,733	2,667 : 2,667	2,667 : 2,667	2,667 : 2,667	2,667 : 2,667
54 (52) : 54 (52)	54 (52) : 54 (52)	58 (56) : 60 (58)	58 (56) : 60 (58)	58 (56) : 60 (58)	58 (56) : 60 (58)	58 (56) : 62 (60)	58 (56) : 62 (60)	58 (56) : 62 (60)	58 (56) : 62 (60)
70 (68) : 70 (68)	70 (68) : 70 (68)	76 (74) : 78 (76)	76 (74) : 78 (76)	76 (74) : 78 (76)	76 (74) : 78 (76)	77 (75) : 81 (79)	77 (75) : 81 (79)	77 (75) : 81 (79)	77 (75) : 81 (79)
Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø19.05	Ø9.52 / Ø19.05	Ø9.52 / Ø19.05*	Ø9.52 / Ø19.05*	Ø12.70 / Ø19.05*	Ø12.70 / Ø19.05*	Ø12.70 / Ø19.05*	Ø12.70 / Ø19.05*
5 - 85	5 - 85	5 - 75	5 - 75	5 - 75	5 - 75	5 - 60	5 - 60	5 - 60	5 - 60
15, 30	15, 30	30, 30	30, 30	30, 30	30, 30	30, 30	30, 30	30, 30	30, 30
30	30	30	30	30	30	30	30	30	30
R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,200 / 45 (g/m)	R32 3,200 / 45 (g/m)	R32 3,400 / 45/60** (g/m)	R32 3,400 / 45/60** (g/m)	R32 5,200 / 80 (g/m)	R32 5,200 / 80 (g/m)	R32 5,200 / 80 (g/m)	R32 5,200 / 80 (g/m)
-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24

Specifications

R32 Compact Model



nanoe™X
nanoe™ X as a standard*
*nanoe X Generator Mark 2

Indoor Unit

Hidden in your ceiling

Outdoor Unit

Sits outside your home

NEW ///



6.0kW – 10.0kW

S-60PE3R / S-71PE3R / S-100PE3R

NEW ///



12.5kW – 14.0kW

S-120PE3R / S-140PE3R

NEW ///



6.0kW – 7.1kW

U-60PZ3R5 / U-71PZ3R5

NEW ///



10.0kW – 14.0kW

U-100PZ3R5 / U-100PZ3R8* / U-125PZ3R5
U-125PZ3R8* / U-140PZ3R5 / U-140PZ3R8*

*3-Phase

Capacity			6.0kW	7.1kW	10.0kW
Model Name	Indoor Unit		S 60PE3R	S 71PE3R	S 100PE3R
	Outdoor Unit		U 60PZ3R5	U 71PZ3R5	U 100PZ3R5
Cooling capacity : Heating capacity		kW	6.0 (2.0 - 7.1) 6.0 (1.8 - 7.0)	7.1 (2.6 - 7.7) 7.1 (2.1 - 8.1)	10.0 (3.0 - 11.5) 10.0 (3.0 - 14.0)
		BTU/h	20,500 (6,800 - 24,200) 20,500 (6,100 - 23,900)	24,200 (8,900 - 26,300) 24,200 (7,200 - 27,600)	34,100 (10,200 - 39,200) 34,100 (10,200 - 47,800)
EER : COP		W/W	3.26 : 4.08	3.21 : 4.25	3.58 : 4.08
COP@H2 condition		W/W	3.00	3.11	2.88
Total power input		kW	1.84 : 1.47	2.21 : 1.67	2.79 : 2.45
TCSPF : HSPF	Residential	Cooling : Heating			
		Hot Climate	3.98 : 3.95	3.96 : 4.05	4.64 : 3.95
		Average Climate	3.56 : 3.88	3.59 : 4.00	4.17 : 3.81
	Commercial	Cold Climate	3.58 : 3.59	3.63 : 3.70	4.23 : 3.55
		Hot Climate	4.25 : 3.83	4.22 : 3.91	4.99 : 3.90
		Average Climate	4.16 : 3.74	4.19 : 3.83	4.98 : 3.80
	Cold Climate	4.38 : 3.58	4.41 : 3.67	5.28 : 3.61	
Indoor Unit					
Power source		Phase/Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz
		V	230V / 240V	230V / 240V	230V / 240V
Dimensions	H × W × D	Indoor	mm	290 x 1,200 x 700	360 x 1,200 x 700
Net weight		Indoor / Panel	kg	31	37
Air volume (H/M/L)		Cooling : Heating	L/s	367 / 334 / 267 : 367 / 334 / 267	501 / 434 / 367 : 501 / 434 / 367
External static pressure			Pa	70 (10 - 150)	100 (10 - 150)
Sound pressure level (H/M/L)		Cooling : Heating	dB(A)	43 / 41 / 40 : 43 / 41 / 40	45 / 44 / 43 : 45 / 44 / 43
Sound power level (H/M/L)		Cooling : Heating	dB	60 / 58 / 57 : 60 / 58 / 57	62 / 61 / 60 : 62 / 61 / 60
Number of fan speeds				3	3
Drain piping			mm	VP-25	VP-25
Outdoor Unit					
Power source		Phase/Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz
		V	230V / 240V	230V / 240V	230V / 240V
Current		Cooling : Heating	A	8.50 : 6.85 : 8.15 : 6.60	10.3 : 8.00 : 9.90 : 7.65
Dimensions	H × W × D		mm	695 x 875 x 320	996 x 980 x 370
Net weight			kg	43	83
Air volume		Cooling : Heating	L/s	701 : 701	746 : 766
Sound pressure level (Silent mode)		Cooling : Heating	dB(A)	48 (46) : 49 (47)	49 (47) : 49 (47)
Sound power level (Silent mode)		Cooling : Heating	dB	66 (64) : 67 (65)	67 (65) : 67 (65)
Piping connections		Liquid / Gas	mm	Ø6.35 / Ø12.7*	Ø6.35 / Ø15.88**
Pipe length range	min. - max.		m	3 - 40	3 - 40
Elevation difference (OU located lower, OU located higher)			m	15, 30	15, 30
Maximum chargeless length			m	30	30
Refrigerant at shipping, Additional gas amount			g	R32 1,130 / 15 (g/m)	R32 1,320 / 17 (g/m)
Operating range		Cooling : Heating	°C	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24

Notes:

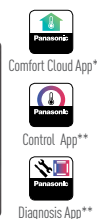
- In the case of nanoe X OFF
- In case it is necessary to indicate the air flow volume in (L/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
- AER and ACP classification is at 230V(400V) only in accordance with GEMS2019.
- TCSPP, HSPF and Total Energy consumption indicate the value of average temperature zone.
- Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions
- * For piping connection for 6.0kW unit, connect the gas socket tube (Ø12.7-Ø15.88) to the gas tubing side indoor unit and connect the liquid socket tube (Ø6.35-Ø9.52) to the liquid tubing side indoor unit.
- ** For piping connection for 7.1kW unit, connect the liquid socket tube (Ø6.35-Ø9.52) to the liquid tubing side indoor unit.



Optional Controller

Variety of options, easy to use

NEW



CZ-RTC6 / CZ-RTC6BL / CZ-RTC6BLW CONEX High-Spec.

This wired remote controller offer IoT integration that connects directly to a variety of apps.

*only for CZ-RTC6BLW

**only for CZ-RTC6BL and CZ-RTC6BLW

CZ-RTC5B Deluxe Wired Remote Controller

This optional backlit LED large controller can be installed in your bed room so you can change the temperature during the night without turning on the light.

CZ-RTC4 Wired Remote Controller

The wall control with its large LCD display gives you full operational access and can be easily customised to suit your unique requirements.

CZ-RWS3 + CZ-RWRC3 Wireless Remote Controller

This wireless remote controller gives you the convenience to operate the unit from anywhere in the room.

PAC Smart Connectivity SER8150

The new form for control solutions that achieves high IAQ while saving energy.

CZ-CAPWFC1 Network Adaptor

Anywhere, anytime control and monitoring multiple air conditioning units.

Note: CZ-RTC6BL, CZ-RTC6BLW, CZ-RTC5B or selected wireless remote controller is needed to turn on or turn off nanoe™ X, please consult Panasonic for details.

		12.5kW		14.0kW	
	S 100PE3R	S 125PE3R	S 125PE3R	S 140PE3R	S 140PE3R
	U 100PZ3R8	U 125PZ3R5	U 125PZ3R8	U 140PZ3R5	U 140PZ3R8
	10.0 (3.0 - 11.5)	12.5 (3.2 - 13.5)	12.5 (3.2 - 13.5)	14.0 (3.3 - 15.0)	14.0 (3.3 - 15.0)
	10.0 (3.0 - 14.0)	12.5 (3.3 - 15.0)	12.5 (3.3 - 15.0)	14.0 (3.4 - 16.0)	14.0 (3.4 - 16.0)
	34,100 (10,200 - 39,200)	42,700 (10,900 - 46,100)	42,700 (10,900 - 46,100)	47,800 (11,300 - 51,200)	47,800 (11,300 - 51,200)
	34,100 (10,200 - 47,800)	42,700 (11,300 - 51,200)	42,700 (11,300 - 51,200)	47,800 (11,600 - 54,600)	47,800 (11,600 - 54,600)
	3.58 : 4.08	3.55 : 4.03	3.55 : 4.03	3.25 : 3.76	3.25 : 3.76
	2.88	2.56	2.56	2.68	2.68
	2.79 : 2.45	3.52 : 3.10	3.52 : 3.10	4.31 : 3.72	4.31 : 3.72
	4.64 : 3.95	4.60 : 3.93	4.60 : 3.93	4.27 : 3.79	4.27 : 3.79
	4.17 : 3.81	4.16 : 3.79	4.16 : 3.79	3.92 : 3.64	3.92 : 3.64
	4.23 : 3.55	4.26 : 3.47	4.26 : 3.47	4.03 : 3.34	4.03 : 3.34
	4.99 : 3.90	4.96 : 3.84	4.96 : 3.84	4.56 : 3.70	4.56 : 3.70
	4.98 : 3.80	4.88 : 3.73	4.88 : 3.73	4.53 : 3.58	4.53 : 3.58
	6.28 : 3.61	5.20 : 3.52	5.20 : 3.52	4.81 : 3.40	4.81 : 3.40
	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz
	230V 240V	230V 240V	230V 240V	230V 240V	230V 240V
	360 x 1,200 x 700	430 x 1,200 x 700	430 x 1,200 x 700	430 x 1,200 x 700	430 x 1,200 x 700
	37	41	41	50	50
	668 / 584 / 484 : 668 / 584 / 484	835 / 768 / 601 : 835 / 768 / 601	835 / 768 / 601 : 835 / 768 / 601	1,002 / 835 / 701 : 1,002 / 835 / 701	1,002 / 835 / 701 : 1,002 / 835 / 701
	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (Max.150)	100 (Max.150)
	48 / 46 / 44 : 48 / 46 / 44	49 / 47 / 45 : 49 / 47 / 45	49 / 47 / 45 : 49 / 47 / 45	51 / 49 / 47 : 51 / 49 / 47	51 / 49 / 47 : 51 / 49 / 47
	70 / 68 / 66 : 70 / 68 / 66	71 / 69 / 67 : 71 / 69 / 67	71 / 69 / 67 : 71 / 69 / 67	73 / 71 / 69 : 73 / 71 / 69	73 / 71 / 69 : 73 / 71 / 69
	3	3	3	3	3
	VP-25	VP-25	VP-25	VP-25	VP-25
	3 Phase / 50Hz	1 Phase / 50Hz	3 Phase / 50Hz	1 Phase / 50Hz	3 Phase / 50Hz
	400V 415V	230V 240V	400V 415V	230V 240V	400V 415V
	4.45 : 3.90 4.25 : 3.70	17.0 : 15.0 16.3 : 14.4	5.40 : 4.80 5.20 : 4.55	19.7 : 17.0 18.9 : 16.3	6.60 : 5.70 6.40 : 5.50
	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
	83	87	87	87	87
	1,219 : 1,219	1,369 : 1,336	1,369 : 1,336	1,402 : 1,369	1,402 : 1,369
	52 (50) : 52 (50)	55 (53) : 55 (53)	55 (53) : 55 (53)	56 (54) : 56 (54)	56 (54) : 56 (54)
	70 (68) : 70 (68)	73 (71) : 73 (71)	73 (71) : 73 (71)	74 (72) : 74 (72)	74 (72) : 74 (72)
	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88
	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
	15, 30	15, 30	15, 30	15, 30	15, 30
	30	30	30	30	30
	R32 2,400 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)
	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24