

**Panasonic**

# PREMIUM INVERTER DUCTED AIR CONDITIONING



**INVERTER**



# PANASONIC LEADS THE WAY

## Ducted Air Conditioning Specialists

With more than 30 years of experience, exporting to more than 120 countries around the world, Panasonic is unquestionably one of the leaders in the air conditioning sector. The company is also a world leader in innovation as it has filed more than 91,539 patents to improve its customers' lives. In all, the company has produced more than 200 million compressors and its products, particularly residential air conditioners now hold the No.1 market share in Japan and other major countries in Asia. You can be assured of the extremely high quality of Panasonic's air conditioners.



# DUCTED AIR PROVIDES YEAR-ROUND COMFORT



We offer a range of ducted air conditioning solutions for homes and medium-sized buildings such as apartments, offices and restaurants. Consisting of an outdoor unit and a concealed indoor unit, a ducted system delivers air through ducting pipes (usually in the ceiling) into each room via vents on the floor, wall or ceiling. Panasonic ducted systems look very

discreet and have been designed with flexibility in mind, which is extremely helpful when designing a system for your home, and also makes installation much easier. A Panasonic ducted air conditioner will provide years of comfort for you and your family, and it will add value to your home as ducted air conditioning is a highly desirable feature for home buyers.



WARM IN WINTER 

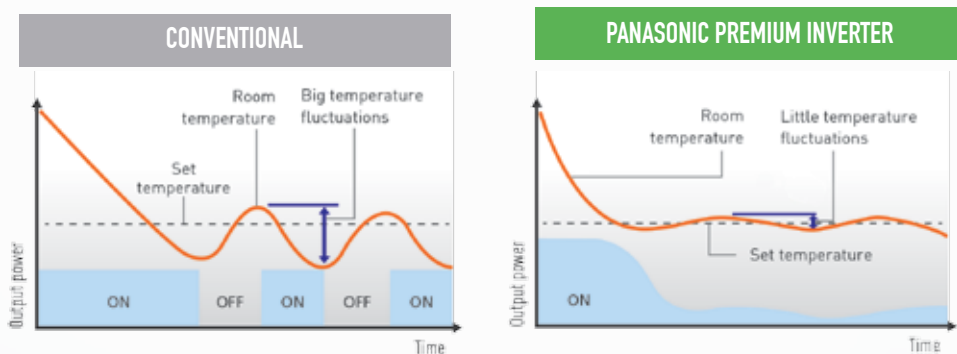
 COOL IN SUMMER

# PREMIUM INVERTER TECHNOLOGY

Panasonic Premium Inverter Ducted air conditioners are designed to give you exceptional energy saving performance while ensuring you stay comfortable at all times.

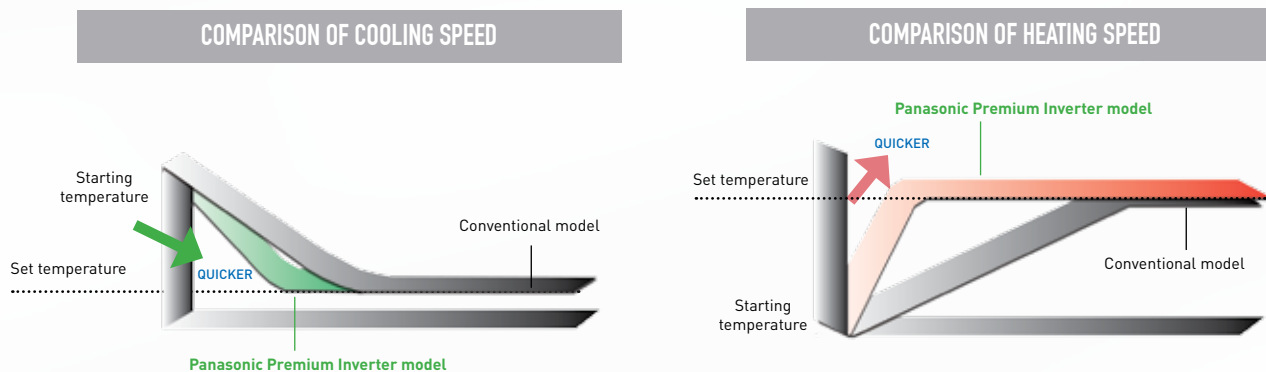
## REDUCES ELECTRICITY CONSUMPTION

Unlike a conventional air conditioner which consumes a lot of energy, a Panasonic Premium Inverter Ducted air conditioner reduces wasteful operation, giving you energy savings and better performance.



## QUICK COMFORT

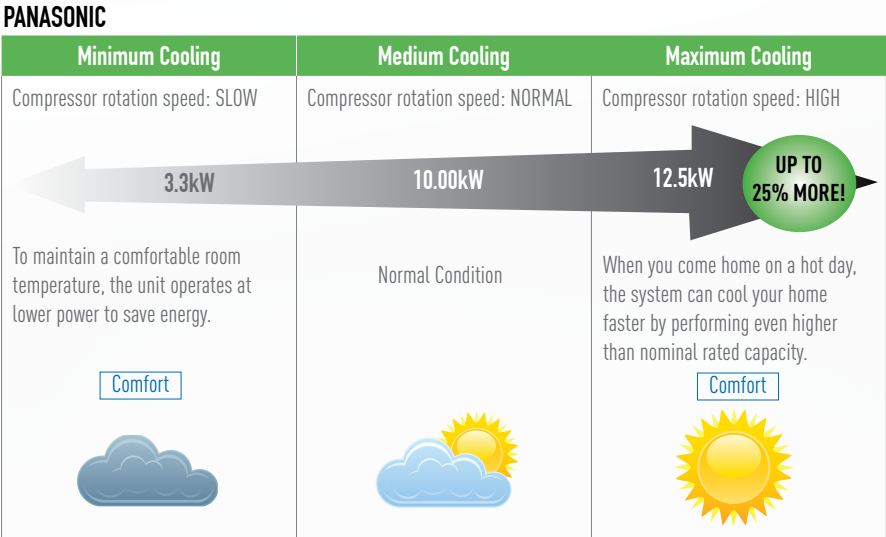
Panasonic Premium Inverter Ducted air conditioners can operate with higher power during the start-up period to cool and heat the room faster than conventional air conditioners.



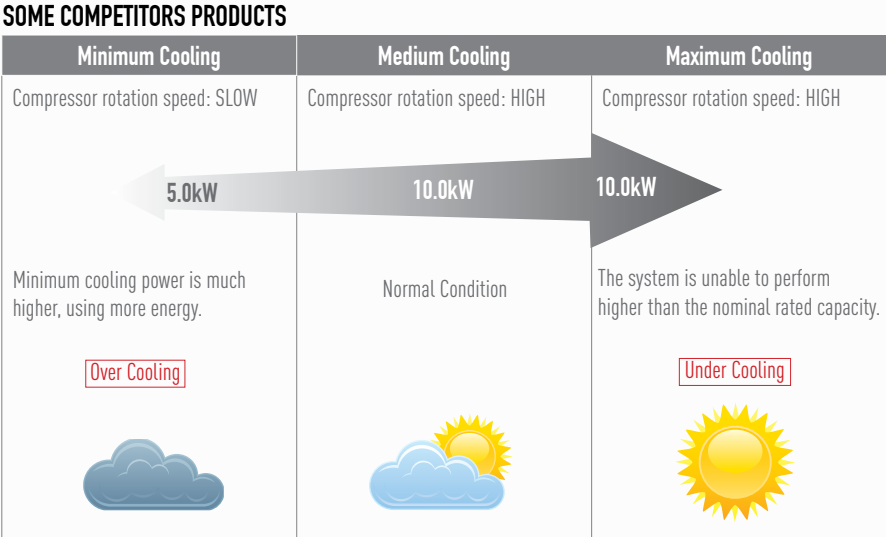


# CONSTANT COMFORT

The other advantage of Panasonic's Premium Inverter technology is it allows precise temperature control and offers a wider power output range to perform even in the most extreme conditions, ensuring constant comfort.



Graph shows the 10.0kW Panasonic Premium Inverter Ducted systems performance range during cooling.

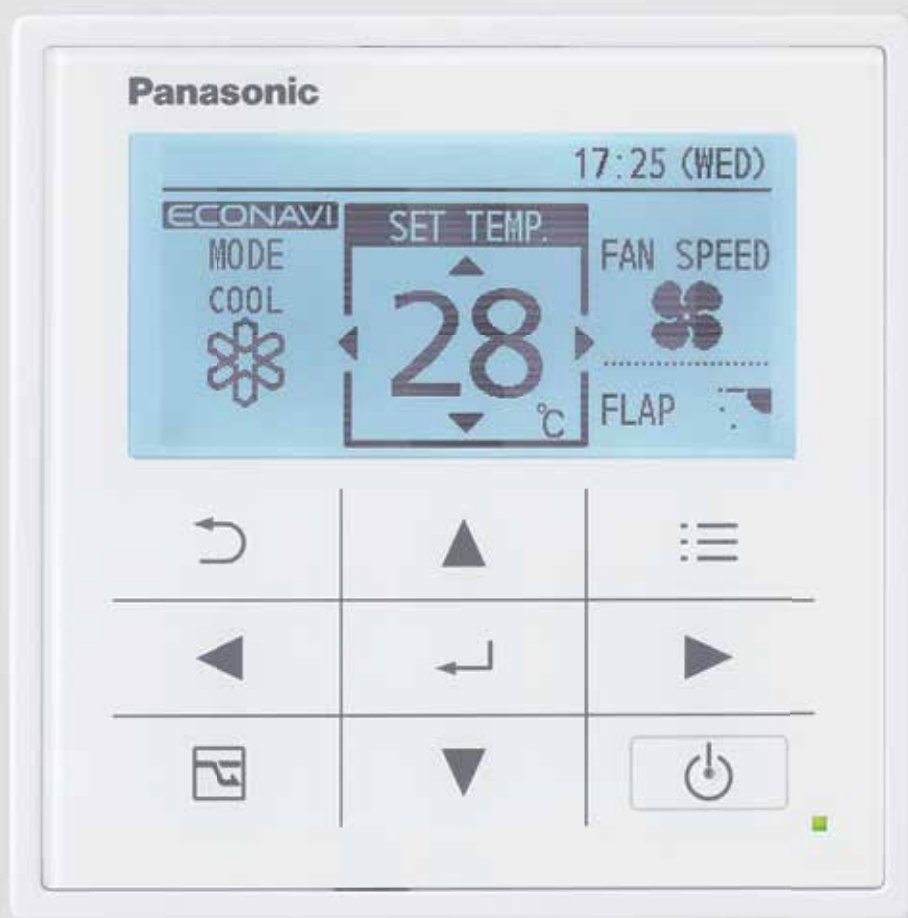


Graph shows some competitors' 10.0kW Standard Inverter Ducted systems performance range during cooling.



# DELUXE WIRED REMOTE CONTROLLER

Easy-to-use, with multiple energy saving functions at your fingertips



## LARGE 3.5" FULL-DOT LCD WITH WHITE LED BACKLIGHT

Characters and icons are clearly displayed for perfect visibility. With the white LED backlight, you can now change the temperature during the night without even turning on the light.



## STYLISH, EASY-TO-USE TOUCH KEY DESIGN

The elegant, flat design features large touch keys in a simple layout enabling easy, intuitive operation.



# RELIABLE COMFORT COMES FROM RELIABLE TECHNOLOGY

## DISCREET COMFORT

A Panasonic air conditioner should be the hard-working hero you never notice. From noise measurements, to environmental performance and even operating ease, we repeatedly test our models to make sure they keep your home comfortable without ever intruding on your life.



## TESTED DURABILITY

We simulate continuous operation under the harshest of conditions, subject the outdoor units to wind and rain tests and then examine every mechanism to ensure we are delivering a rugged product you can depend on for many years.



## SHOCK RESISTANCE

We love our air conditioners but that doesn't mean we go easy on them. We simulate impacts, vibrations, drops and stacking issues the units might face in transportation and storage, so we know they will be ready for action when they reach your home.



# 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 46°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.



## 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.





## Control, comfort & reassurance



### QUIET 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

## INDOOR UNIT

Hidden in your ceiling



6.0kW – 16.0kW



18.0kW – 22.4kW

## OUTDOOR UNIT

Sits outside your home



6.0kW – 22.4kW

(Design may differ slightly depending on capacity)

Capacity			6.0kW	7.1kW	10.0kW		12.5kW
Model Name	Indoor Unit		S-60PE1R5A	S-71PE1R5A	S-100PE1R5A	S-100PE1R5A	S-125PE1R5A
	Outdoor Unit		U-60PE1R5A	U-71PE1R5A	U-100PE1R5A	U-100PE1R8A	U-125PE1R5A
Power source	Phase/Hz		1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	3 Phase/ 50Hz	1 Phase/ 50Hz
	V		230V   240V	230V   240V	230V   240V	400V   415V	230V   240V
Cooling capacity :	kW		6.0 (2.5 - 7.1)	7.1 (2.5 - 8.0)	10.0 (3.3 - 12.5)	10.0 (3.3 - 12.5)	12.5 (3.3 - 14.0)
	Heating capacity		7.0 (2.0 - 8.0)	8.0 (2.0 - 9.0)	11.2 (4.1 - 14.0)	11.2 (4.1 - 14.0)	14.0 (4.1 - 16.0)
	BTU/h		20,500 (8,500 - 24,200)	24,200 (8,500 - 27,300)	34,100 (11,300 - 42,700)	34,100 (11,300 - 42,700)	42,700 (11,300 - 47,800)
			23,900 (6,800 - 27,300)	27,300 (6,800 - 30,700)	38,200 (14,000 - 47,800)	38,200 (14,000 - 47,800)	47,800 (14,000 - 54,600)
EER : COP	W/W		3.24 : 3.41	3.23 : 3.48	3.36 : 3.52	3.36 : 3.52	3.21 : 3.37
Total power input	Cooling : Heating	kW	1.85 : 2.05	2.20 : 2.30	2.98 : 3.18	2.98 : 3.18	3.90 : 4.16
<b>Indoor Unit</b>							
Current	Cooling : Heating	A	0.85 : 0.85   0.86 : 0.86	1.24 : 1.24   1.25 : 1.25	1.72 : 1.72   1.74 : 1.74	1.72 : 1.72   1.74 : 1.74	1.82 : 1.82   1.84 : 1.84
Dimensions	H x W x D	mm	290x1,100 (+100)x700	360x1,100 (+100)x700	360x1,100 (+100)x700	360x1,100 (+100)x700	430x1,100 (+100)x700
Net weight		kg	35	42	44	44	48
Air volume	Cooling : Heating	L/s	366 : 366	500 : 500	666 : 666	666 : 666	833 : 833
External static pressure		Pa	70 (Max.100)	100 (Max.150)	100 (Max.150)	100 (Max.150)	100 (Max.150)
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)	43 / 41 / 40 : 43 / 41 / 40	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	60 / 58 / 57 : 60 / 58 / 57	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 pipe size		mm	VP-25	VP-25	VP-25	VP-25	VP-25
<b>Outdoor Unit</b>							
Current	Cooling : Heating	A	7.85 : 8.80   7.65 : 8.60	9.10 : 9.30   8.80 : 9.00	11.8 : 12.7   11.40 : 12.3	3.95 : 4.25   3.80 : 4.10	16.0 : 17.2   15.4 : 16.6
Dimensions	H x W x D	mm	996 x 940 x 340	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	68	69	98	98	98
Air volume	Cooling : Heating	L/s	1,000 : 1,000	1,000 : 1,000	1,833 : 1,583	1,833 : 1,583	2,166 : 1,833
Sound pressure level (Silent mode)	Cooling : Heating	dB(A)	48 (46) : 50 (48)	48 (46) : 50 (48)	52 (50) : 52 (50)	52 (50) : 52 (50)	53 (51) : 53 (51)
Sound power level (Silent mode)	Cooling : Heating	dB(A)	65 (63) : 67 (65)	65 (63) : 67 (65)	69 (67) : 69 (67)	69 (67) : 69 (67)	70 (68) : 70 (68)
Piping connections	Liquid/Gas	m	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88
Pipe length	min. - max.	m	5 - 50	5 - 50	5 - 75	5 - 75	5 - 75
Elevation difference (OU located lower, OU located higher)		m	15, 30	15, 30	15, 30	15, 30	15, 30
Maximum chargeless length		m	30	30	30	30	30
Refrigerant at shipping, Additional gas amount		g	R410A 2,000, 50 (g/m)	R410A 2,350, 50 (g/m)	R410A 3,400, 50 (g/m)	R410A 3,400, 50 (g/m)	R410A 3,400, 50 (g/m)
Operation ranges	Cooling : Heating	°C	-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



## OPTIONAL CONTROLLER

Variety of options, easy to use



### 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-RTC5

#### Deluxe Wired Remote Controller

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



### CZ-RWSK2 + CZ-RWSC3

#### Wireless Remote Controller

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

	14.0kW		16.0kW		18.0kW		20.0kW		22.4kW
S-125PE1R5A	S-140PE1R5A	S-140PE1R5A	S-160PE1R5A	S-180PE2R5B	S-200PE2R5B	S-224PE2R5B			
U-125PE1R8A	U-140PE1R5A	U-140PE1R8A	U-160PE2R8A	U-180PE2R8A	U-200PE2R8A	U-224PE2R8A			
3 Phase/ 50Hz	1 Phase/ 50Hz	3 Phase/ 50Hz	3 Phase/ 50Hz	3 Phase/ 50Hz	3 Phase/ 50Hz	3 Phase/ 50Hz			
400V   415V	230V   240V	400V   415V	400V   415V	400V   415V	400V   415V	400V   415V			
12.5 (3.3 - 14.0) 14.0 (4.1 - 16.0)	14.0 (3.3 - 15.5) 16.0 (4.1 - 18.0)	14.0 (3.3 - 15.5) 16.0 (4.1 - 18.0)	16.0 (5.4 - 18.0) 18.0 (5.6 - 20.0)	18.0 (5.4 - 20.0) 20.0 (5.6 - 22.4)	20.0 (6.3 - 22.4) 22.4 (7.1 - 25.0)	22.4 (6.3 - 25.0) 25.0 (7.1 - 28.0)			
42,700 (11,300 - 47,800) 47,800 (14,000 - 54,600)	47,800 (11,300 - 52,900) 54,600 (14,000 - 61,400)	47,800 (11,300 - 52,900) 54,600 (14,000 - 61,400)	54,600 (18,400 - 61,400) 61,400 (19,100 - 68,200)	61,400 (18,400 - 68,200) 68,200 (19,100 - 76,400)	68,200 (21,500 - 76,400) 76,400 (24,200 - 85,300)	76,400 (21,500 - 85,300) 85,300 (24,200 - 95,500)			
3.21 : 3.37 3.90 : 4.16	3.15 : 3.52 4.45 : 4.55	3.15 : 3.52 4.45 : 4.55	3.09 : 3.52 5.18 : 5.11	3.20 : 3.54 5.63 : 5.65	3.27 : 3.80 6.12 : 5.90	3.12 : 3.62 7.18 : 6.90			
1.82 : 1.82   1.84 : 1.84	2.62 : 2.62   2.70 : 2.70	2.62 : 2.62   2.70 : 2.70	2.62 : 2.62   2.70 : 2.70	1.90 : 1.90   1.85 : 1.85	3.20 : 3.20   3.10 : 3.10	3.20 : 3.20   3.10 : 3.10			
430x1,100 (+100)x700	430x1,100 (+100)x700	430x1,100 (+100)x700	430x1,100 (+100)x700	479x1,453x1, 205	479x1,453x1, 205	479x1,453x1, 205			
48	53	53	53	100	104	104			
833 : 833	1,000 : 1,000	1,000 : 1,000	1,000 : 1,000	933 : 933	1,200 : 1,200	1,200 : 1,200			
100 (Max.150)	100 (Max.150)	100 (Max.150)	100 (Max.150)	60 (Max.270)	72 (Max.270)	72 (Max.270)			
49 / 47 / 45 : 49 / 47 / 45	51 / 49 / 47 : 51 / 49 / 47	51 / 49 / 47 : 51 / 49 / 47	51 / 49 / 47 : 51 / 49 / 47	43 / 41 / 38 : 43 / 41 / 38	47 / 45 / 42 : 47 / 45 / 42	47 / 45 / 42 : 47 / 45 / 42			
71 / 69 / 67 : 71 / 69 / 67	73 / 71 / 69 : 73 / 71 / 69	73 / 71 / 69 : 73 / 71 / 69	73 / 71 / 69 : 73 / 71 / 69	75 / 73 / 70 : 75 / 73 / 70	79 / 77 / 74 : 79 / 77 / 74	79 / 77 / 74 : 79 / 77 / 74			
3	3	3	3	3	3	3			
VP-25	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25			
5.30 : 5.70   5.10 : 5.50	17.8 : 18.1   17.2 : 17.5	5.80 : 5.95   5.55 : 5.70	7.40 : 7.20   7.00 : 6.90	8.45 : 8.50   8.15 : 8.15	8.70 : 8.45   8.40 : 8.15	10.30 : 9.95   9.90 : 9.60			
1,416 x 940 x 340	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			
98	98	98	127	127	138	138			
2,166 : 1,833	2,250 : 2,000	2,250 : 2,000	2,733 : 2,733	2,733 : 2,733	2,666 : 2,666	2,666 : 2,666			
53 (51) : 53 (51)	54 (52) : 55 (53)	54 (52) : 55 (53)	59 (-) : 61 (-)	59 (-) : 61 (-)	60 (-) : 62 (-)	60 (-) : 62 (-)			
70 (68) : 70 (68)	71 (69) : 71 (69)	71 (69) : 71 (69)	77 (-) : 79 (-)	77 (-) : 79 (-)	79 (-) : 81 (-)	79 (-) : 81 (-)			
09.52 / 015.88	09.52 / 015.88	09.52 / 015.88	09.52 / 019.05	09.52 / 019.05	012.70 / 019.05*	012.70 / 019.05*			
5 - 75	5 - 75	5 - 75	5 - 50	5 - 50	5 - 50	5 - 50			
15, 30	15, 30	15, 30	30, 30	30, 30	30, 30	30, 30			
30	30	30	30	30	30	30			
R410A 3,400, 50 (g/m)	R410A 3,400, 50 (g/m)	R410A 3,400, 50 (g/m)	R410A 5,600, 50 (g/m)	R410A 5,600, 50 (g/m)	R410A 6,400, 80 (g/m)	R410A 6,400, 80 (g/m)			
-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			

\*Tubing size may differ depending on pipe length. Please refer to technical documents.

# ONLY PANASONIC HAS 5 STARS



Overall Satisfaction



Reliability



Ease of Use



Quietness



Value for Money



Functionality



After Sale Service

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