

# DUCTED AIR CONDITIONING

YEAR ROUND COMFORT  
FOR YOUR HOME



**INVERTER**

**Panasonic**



# 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 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.

02 | LEADING THE WAY



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# CLASS LEADING FEATURES

## LEADING ENERGY EFFICIENCY

Panasonic utilises highly efficient R410A refrigerant, a DC Inverter compressor and DC fan motor to deliver substantial energy savings, benefiting both the environment and your power bill.



## DESIGNED FOR THE AUSTRALIAN ENVIRONMENT

Our 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 ready
- Panasonic Inverter technology
- DC fan motor
- Incredibly quiet operation
- Compact indoor and outdoor design
- High static pressure allows flexible ducting design



## Control, comfort & reassurance



## QUIET OPERATION

Panasonic 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 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.



# COMPLETE CLIMATE CONTROL

Panasonic ducted systems include easy to use controls. Basic settings like on/off, temperature adjustment, operation mode, and fan speed adjustment are all at your fingertips. The system also allows detailed settings like weekly timers and Panasonic ducted systems can be easily zoned by your installer to allow complete flexibility in which rooms you heat or cool.



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



An optional backlit LCD mini controller can be installed in your bedroom so you can change the temperature during the night without even turning on the light.



## SPECIFICATIONS

### OUTDOOR UNIT

Sits outside your home



### INDOOR UNIT

Hidden in your ceiling



Capacity		6.0KW	7.1KW	10.0KW	12.5KW	14.0KW				
Model Name	Indoor Unit	S-60PE1R5	S-71PE1R5	S-100PE1R5	S-100PE1R5	S-125PE1R5	S-125PE1R5	S-140PE1R5	S-140PE1R5	
	Outdoor Unit	U-60PE1R5	U-71PE1R5	U-100PE1R5	U-100PE1R8	U-125PE1R5	U-125PE1R8	U-140PE1R5	U-140PE1R8	
Power source	Phase/Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	3 Phase/ 50Hz	1 Phase/ 50Hz	3 Phase/ 50Hz	1 Phase/ 50Hz	3 Phase/ 50Hz	
	V	230V   240V	230V   240V	230V   240V	400V   415V	230V   240V	400V   415V	230V   240V	400V   415V	
Cooling capacity	kW	6.0 (2.5 - 7.1)	7.1 (2.5 - 8.2)	10.0 (3.3 - 12.5)	10.0 (3.3 - 12.5)	12.5 (3.3 - 14.0)	12.5 (3.3 - 14.0)	14.0 (3.3 - 15.5)	14.0 (3.3 - 15.5)	
	Heating capacity	7.0 (2.0 - 8.5)	8.0 (2.0 - 9.0)	11.2 (4.1 - 14.0)	11.2 (4.1 - 14.0)	14.0 (4.1 - 16.0)	14.0 (4.1 - 16.0)	16.0 (4.1 - 18.0)	16.0 (4.1 - 18.0)	
BTU/h	Cooling	20,500 (8,500 - 24,200)	24,200 (8,500 - 28,000)	34,100 (11,300 - 42,700)	34,100 (11,300 - 42,700)	42,700 (11,300 - 47,800)	42,700 (11,300 - 47,800)	47,800 (11,300 - 52,900)	47,800 (11,300 - 52,900)	
	Heating	23,900 (6,800 - 29,000)	27,300 (6,800 - 30,700)	38,200 (14,000 - 47,800)	38,200 (14,000 - 47,800)	47,800 (14,000 - 54,600)	47,800 (14,000 - 54,600)	54,600 (14,000 - 61,400)	54,600 (14,000 - 61,400)	
EER : COP	W/W	3.24 : 3.41	3.23 : 3.48	3.36 : 3.52	3.36 : 3.52	3.21 : 3.37	3.21 : 3.37	3.15 : 3.52	3.15 : 3.52	
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	3.90 : 4.16	4.45 : 4.55	4.45 : 4.55
<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	1.82 : 1.82   1.84 : 1.84	2.62 : 2.62   2.70 : 2.70	2.62 : 2.62   2.70 : 2.70
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	430x1,100 (+100)x700	430x1,100 (+100)x700	430x1,100 (+100)x700
Net weight		kg	35	42	44	44	48	48	53	53
Air volume	Cooling : Heating	L/s	366 : 366	500 : 500	666 : 666	666 : 666	833 : 833	833 : 833	1,000 : 1,000	1,000 : 1,000
External static pressure		Pa	70 (Max.100)	100 (Max.150)	100 (Max.150)	100 (Max.150)	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 / 43 / 44	48 / 46 / 44 : 48 / 46 / 44	48 / 46 / 44 : 48 / 46 / 44	49 / 47 / 45 : 49 / 47 / 45	49 / 47 / 45 : 49 / 47 / 45	51 / 49 / 47 : 51 / 49 / 43	51 / 49 / 47 : 51 / 49 / 43
Sound power level (H/M/L)	Cooling : Heating	dB(A)	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	71 / 69 / 67 : 71 / 69 / 67	73 / 71 / 69 : 73 / 71 / 67	73 / 71 / 69 : 73 / 71 / 67
Number of fan speeds			3	3	3	3	3	3	3	
Drain pipe size		mm	VP-25	VP-25	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	5.30 : 5.70   5.10 : 5.50	17.8 : 18.1   17.2 : 17.5	5.80 : 5.95   5.55 : 5.70
Dimensions	H x W x D	mm	996 x 940 x 340	995 x 940 x 340	1,416 x 940 x 340	1,416 x 940 x 340	1,416 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	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	2,166 : 1,833	2,250 : 2,000	2,250 : 2,000
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)	53 (51) : 53 (51)	54 (52) : 55 (53)	54 (52) : 55 (53)
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)	70 (68) : 70 (68)	71 (69) : 71 (69)	71 (69) : 71 (69)
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	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	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	15, 30	15, 30	15, 30
Maximum chargeless length		m	30	30	30	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)	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	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24

# FOR FUTURE GENERATIONS

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## Panasonic aims to become the No.1 green innovation company in the electronics industry

Panasonic was founded on the philosophy of contributing to progress in society and to enriching people's lives. By offering products that help people lead better, greener lives, we have made close ties with people worldwide.



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