

# Panasonic

Clever, made easy

## RESIDENTIAL & LIGHT COMMERCIAL DUCTED SOLUTIONS

2015



[clevermadeeasy.co.nz](http://clevermadeeasy.co.nz)



# Designed to Care

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. Panasonic Ducted systems are the ideal way to heat and cool your home at a consistent temperature and can be designed to specifically to meet your requirements

## What's NEW in 2015

### ECONAVI

Using sensors and precise control programs, ECONAVI analyzes room conditions and adjusts cooling and heating power to reduce wasted electricity.

Providing outstanding energy-saving performance, Panasonic's ducted air conditioners can be connected to ECONAVI to detect when energy is being wasted.

ECONAVI senses the presence or absence of people and the level of activity in each area of a room. When unnecessary heating or cooling is detected, indoor units are individually controlled to match room conditions for energy-saving operation.

### Hi-Spec Remote Controller

Features a large LCD and touch keys for easy operation, and a range of energy-saving functions.

The controller is easy-to-use, with multiple functions that contribute to energy saving.

Our controllers feature a large 3.5" full-dot LCD with white LED backlight, stylish, easy-to-use touch key design, energy consumption display and log function as well as multiple control settings to meet a wide range of air conditioning needs



Featured models: Controller CZ-RTC3, Air Conditioner 125PE and 140PE.

## Indoor ducted units

Hidden in the ceiling, ideal when interior decor is an important consideration such as in residences with many rooms and light commercial buildings.



S-60PE1R5A

S-71PE1R5A

S-100PE1R5A

S-125PE1R5A

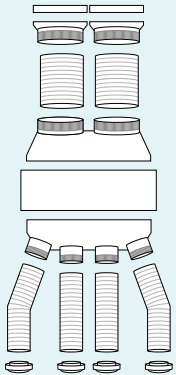
S-140PE1R5A

**ECONAVI**

1100w x 700d x 290h mm (60PE)  
1100w x 700d x 360h mm (71PE, 100PE)


**ECONAVI**

1100w x 700d x 430h mm (125PE, 140PE)



## ECONAVI controller and sensor

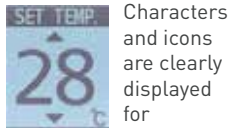
Our NEW high-spec wired controller and sensor offer sophistication and energy saving features.

CZ-RTC3

### HIGH-SPEC WIRED REMOTE CONTROLLER



#### Large 3.5" Full-dot LCD with White LED Backlight



Characters and icons are clearly displayed for improved visibility. The display is also large enough to provide a wide range of information for easy confirmation of operation conditions.

#### Stylish, Easy-to-use Touch Key Design



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

#### Energy Consumption Monitoring Display



Daily, weekly and annual power consumption are displayed. A visual representation shows energy saved and detects where it's wasted to further improve energy savings.

CZ-CENSC1

### ECONAVI SENSOR



Utilises ECONAVI Sensor and Control Program technologies to detect where energy is normally wasted and self-adjusts cooling power to reduce energy waste.

- Activity detection
- Absence detection

Optional Extra



## INDOOR UNIT DUCTED

Capacity		2.5HP	3HP	4HP
Model Name	Indoor Unit	<b>S-60PE1R5A</b>	<b>S-71PE1R5A</b>	<b>S-100PE1R5A</b>
	Outdoor Unit	<b>U-60PE1R5A</b>	<b>U-71PE1R5A</b>	<b>U-100PE1R5A</b>
Power source	Phase / Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz
	V	230V   240V	230V   240V	230V   240V
Cooling capacity	kW	6.0 (2.5 - 7.1)	7.1 (2.5 - 8.0)	10.0 (3.3 - 12.5)
Heating capacity		<b>7.0 (2.0 - 8.0)</b>	<b>8.0 (2.0 - 9.0)</b>	<b>11.2 (4.1 - 14.0)</b>
	BTU/h	20,500 (8,500 - 24,200)	24,200 (8,500 - 27,300)	34,100 (11,300 - 42,700)
		<b>23,900 (6,800 - 27,300)</b>	<b>27,300 (6,800 - 30,700)</b>	<b>38,200 (14,000 - 47,800)</b>
EER:COP	Cooling : Heating W/W	3.24 : <b>3.41</b>	3.23 : <b>3.48</b>	3.36 : <b>3.52</b>
Total power input	Cooling : Heating kW	1.85 : <b>2.05</b>	2.20 : <b>2.30</b>	2.98 : <b>3.18</b>

Indoor Unit					
Current	Cooling : Heating	A	0.85 : <b>0.85</b>   0.86 : <b>0.86</b>	1.24 : <b>1.24</b>   1.25 : <b>1.25</b>	1.72 : <b>1.72</b>   1.74 : <b>1.74</b>
Dimensions	H x W x D	mm	290x1,100 (+100)x700	360x1,100 (+100)x700	360x1,100 (+100)x700
Net weight		kg	35	42	44
Air volume	Cooling : Heating	L/s	366 : <b>366</b>	500 : <b>500</b>	666 : <b>666</b>
External static pressure		Pa	70 (Max.100)	100 (Max.150)	100 (Max.150)
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)	43 / 41 / 40 : <b>43 / 41 / 40</b>	5 / 44 / 43 : <b>45 / 43 / 44</b>	48 / 46 / 44 : <b>48 / 46 / 44</b>
Sound power level (H/M/L)	Cooling : Heating	dB(A)	60 / 58 / 57 : <b>60 / 58 / 57</b>	62 / 61 / 60 : <b>62 / 61 / 60</b>	70 / 68 / 66 : <b>70 / 68 / 66</b>
Number of fan speed			3	3	3
Drain pipe size		mm	VP-25	VP-25	VP-25

Outdoor Unit					
Current	Cooling : Heating	A	7.85 : <b>8.80</b>   7.65 : <b>8.60</b>	9.10 : <b>9.30</b>   8.80 : <b>9.00</b>	11.8 : <b>12.7</b>   11.40 : <b>12.3</b>
Dimensions	H x W x D	mm	996 x 940 x 340	996 x 940 x 340	1,416 x 940 x 340
Net weight		kg	68	69	96
Air volume	Cooling : Heating	L/s	1,000 : <b>1,000</b>	1,000 : <b>1,000</b>	1,833 : <b>1,583</b>
Sound pressure level (Silent mode)	Cooling : Heating	dB(A)	48 (46) : <b>50 (48)</b>	48 (46) : <b>50 (48)</b>	52 (50) : <b>52 (50)</b>
Sound power level (Silent mode)	Cooling : Heating	dB(A)	65 (63) : <b>67 (65)</b>	65 (63) : <b>67 (65)</b>	69 (67) : <b>69 (67)</b>
Piping connections	Liquid / Gas	m	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88
Pipe length	min. - max.	m	5 - 50	5 - 50	5 - 75
Elevation difference (OU located lower, OU located higher)		m	15, 30	15, 30	15, 30
Maximum chargeless length		m	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)
Operation ranges	Cooling : Heating	°C	-15 to 46 : <b>-20 to 24</b>	-15 to 46 : <b>-20 to 24</b>	-15 to 46 : <b>-20 to 24</b>

4HP continued	5HP	5HP continued	6HP	6HP continued
<b>S-100PE1R5A</b>	<b>S-125PE1R5A</b>	<b>S-125PE1R5A</b>	<b>S-140PE1R5A</b>	<b>S-140PE1R5A</b>
<b>U-100PE1R8A</b>	<b>U-125PE1R5A</b>	<b>U-125PE1R8A</b>	<b>U-140PE1R5A</b>	<b>U-140PE1R8A</b>
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
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)
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)
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)
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)
3.36 : 3.52	3.21 : 3.37	3.21 : 3.37	3.15 : 3.52	3.15 : 3.52
2.98 : 3.18	3.90 : 4.16	3.90 : 4.16	4.45 : 4.55	4.45 : 4.55

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
360x1,100 (+100)x700	430x1,100 (+100)x700	430x1,100 (+100)x700	430x1,100 (+100)x700	430x1,100 (+100)x700
44	48	48	53	53
666 : 666	833 : 833	833 : 833	1,000 : 1,000	1,000 : 1,000
100 (Max.150)	100 (Max.150)	100 (Max.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

3.95 : 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
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
98	98	98	98	98
1,833 : 1,583	2,166 : 1,833	2,166 : 1,833	2,250 : 2,000	2,250 : 2,000
52 (50) : 52 (50)	53 (51) : 53 (51)	53 (51) : 53 (51)	54 (52) : 55 (53)	54 (52) : 55 (53)
69 (67) : 69 (67)	70 (68) : 70 (68)	70 (68) : 70 (68)	71 (69) : 71 (69)	71 (69) : 71 (69)
Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88
5 - 75	5 - 75	5 - 75	5 - 75	5 - 75
15, 30	15, 30	15, 30	15, 30	15, 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 3,400, 50 (g/m)	R410A 3,400, 50 (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

Clever, made easy | **Panasonic**

[clevermadeeasy.co.nz](http://clevermadeeasy.co.nz)

**Panasonic New Zealand Limited** 18 Sir Woolf Fisher Drive, Highbrook, East Tamaki, Manukau 2013, New Zealand  
Phone: 09 272 0100, Fax: 09 272 0134