

WALL

PACi STANDARD AND ELITE INVERTER+

The extension of the range to include a 7.1 kW unit allows for many more applications such as studios, gyms, high ceiling areas and even computer server rooms can be conditioned.

Technical Focus

- New 7.1 kW capacity unit
- New flat face design for modern appearance
- New compact design offers over 15% reduction in overall size
- Washable front panel
- DC FAN for better efficiency and control
- Three directional piping outlet



STANDARD



		Single Phase		
		6.0 kW		7.1 kW
KIT		KIT-60PYK1E5*		KIT-71PYK1E5*
Indoor		S-60PK1E5		S-71PK1E5
Outdoor		U-60PEY1E5		U-71PEY1E5
Wired remote controller		CZ-RTC2		CZ-RTC2
Cooling capacity		Nom. (Min-Max)	kW	6.0 (2.0-7.0)
EER¹⁾		Nom. (Min-Max)	W/W	3.23 (6.15-2.55) ◀ A
SEER			W/W	5.4 ◀ A
Pdesign			kW	6.0
Power input Cooling		Nom. (Min-Max)	kW	1.860 (0.325-2.750)
Annual Energy Consumption (ErP)^{2-a)}				930
Annual Energy Consumption (ErP)^{2-b)}				389
Heating capacity		Nom. (Min-Max)	kW	6.0 (1.8-7.0)
COP1)		Nom. (Min-Max)	W/W	4.00 (6.55-3.18) ◀ A
SCOP			W/W	3.9 ◀ A
Pdesign at -10 °C			kW	6.0
Power input Heating		Nom. (Min-Max)	kW	1.500 (0.275-2.200)
Annual Energy Consumption (ErP)^{2-b)}				2154
Indoor unit				
Air Volume	Cool / Heat	m³/h	1080 / 1080	1080 / 1080
Moisture removal volume		U/h	4.2	4.2
Sound pressure Level	Cool (Hi/Me/Lo)	dB(A)	47 / 44 / 40	47 / 44 / 40
	Heat (Hi/Me/Lo)	dB(A)	47 / 44 / 40	47 / 44 / 40
Sound power level	Cool (Hi)	dB	64	64
	Heat (Hi)	dB	64	64
Dimensions	H x W x D	mm	300 x 1065 x 230	300 x 1065 x 230
Net weight		kg	14.5	14.5
Outdoor unit				
Power source	V		220 / 230 / 240	220 / 230 / 240
Recommended fuse				
Recommended cable size		m		
Connection		mm²		
Current Cooling		A	8.80 / 8.50 / 8.25	11.70 / 11.30 / 10.90
Current Heating		A	7.05 / 6.80 / 6.60	9.00 / 8.70 / 8.40
Air Volume	Cool / Heat	m³/h	1800 / 2100	2340
Sound pressure Level ³⁾	Cool / Heat (Hi)	dB(A)	48 / 50	50 / 52
Sound power level	Cool / Heat (Hi)	dB	65 / 69	70 / 70
Dimensions	H x W x D	mm	569 x 790 x 285	569 x 790 x 285
Net weight		kg	42	42
Piping connections	Liquid pipe	Inch (mm)	3/8 (9.52)	3/8 (9.52)
	Gas pipe	Inch (mm)	5/8 (15.88)	5/8 (15.88)
Refrigerant loading	R410A	kg	1.7	1.7
Elevation dif. (in/out) ⁴⁾	Max	m	30	30
Piping length	Min/Max	m	50	50
Precharge length	Max	m	20	20
Additional charge		g/m	40	40
Operating range	Cool Min/Max	°C	-10 / 43	-10 / 43
	Heat Min/Max	°C	-15 / 24	-15 / 24

Rating Conditions: Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 35 °C DB / 24 °C WB. Heating Indoor 20 °C DB. Cooling Outdoor 7 °C DB / 6 °C WB. (DB: Dry Bulb; WB: Wet Bulb). // Specifications subject to change without notice.

1) EER and COP, Energy Saving Classification, is at 220 / 240 V (380 / 415 V) only in accordance with EU directive 2002/31/EC. 2-a) The annual consumption is calculated by multiplying the input power at 220 / 240 V (380 / 415 V) by an average of 500 hours per year in cooling mode. 2-b) The annual consumption(ErP) is calculated by formula determined by ErP regulation. 3) The Sound pressure level of the units shows the value measured of a position 1 meter in front of the main body and 1.5 from the ground The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 4) When installing the outdoor unit at a higher position than the indoor unit. // Recommended fuse for the indoor 3A. // * Available from May 2013. For detailed information about ErP, please visit our page <http://www.doc.panasonic.de>

STANDARD

A class
energy saving

5.4 A
SEER

3.9 A
SCOP

Down to
-10 °C in
cooling mode

Down to
-15 °C in
heating mode

Easy
control
by BMS

Possible
to use on
R22 pipings

5 year
compressor
warranty



INCLUDED ON THE KIT

Timer remote controller
CZ-RTC2

OPTIONAL CONTROLLERS

Wireless control
CZ-RWSK2Simplified remote controller
CZ-REZC2

COMPATIBLE WITH ALL ECOi CONNECTIVITY SOLUTIONS



ELITE

		Single Phase		6.0 kW		7.1 kW		Three Phase	
		5.0 kW		6.0 kW		7.1 kW		7.1 kW	
KIT		KIT-50PEK1E5*		KIT-60PEK1E5		KIT-71PEK1E5		KIT-71PEK1E8	
Indoor		S-50PK1E5		S-60PK1E5		S-71PK1E5		S-71PK1E5	
Outdoor		U-50PE1E5		U-60PE1E5		U-71PE1E5		U-71PE1E8	
Wired remote controller		CZ-RTC2		CZ-RTC2		CZ-RTC2		CZ-RTC2	
Cooling capacity	Nom. (Min-Max)	kW	5.0 (1.5-5.6)	6.0 (2.5-7.1)	7.1 (2.5-8.0)	7.1 (3.2-8.0)	7.1 (3.2-8.0)	7.1 (3.2-8.0)	7.1 (3.2-8.0)
EER¹⁾	Nom. (Min-Max)	kW	3.21 (5.77-2.49) ◀A	3.85 (5.56-3.55) ◀A	3.40 (5.56-3.02) ◀A	3.40 (5.56-3.02) ◀A	3.40 (5.56-3.02) ◀A	3.40 (5.56-3.02) ◀A	3.40 (5.56-3.02) ◀A
SEER	W/W		6.0 ◀A+	6.6 ◀A++	6.6 ◀A++	6.6 ◀A++	6.6 ◀A++	6.6 ◀A++	6.1 ◀A++
Pdesign		kW	5.0	6.0	7.1	7.1	7.1	7.1	7.1
Power input Cooling	Nom. (Min-Max)	kW	1.560 (0.260-2.250)	1.560 (0.450-2.000)	2.090 (0.450-2.650)	2.090 (0.450-2.650)	2.090 (0.450-2.650)	2.090 (0.450-2.650)	2.090 (0.450-2.650)
Annual Energy Consumption (ErP)²⁻³⁾			780	780	1045	1045	1045	1045	1045
Annual Energy Consumption (ErP)²⁻³⁾			292	318	376	376	376	376	407
Heating capacity	Nom. (Min-Max)	kW	5.6 (1.5-6.5)	7.0 (2.0-8.0)	8.0 (2.0-9.0)	8.0 (2.8-9.0)	8.0 (2.8-9.0)	8.0 (2.8-9.0)	8.0 (2.8-9.0)
COP¹⁾	Nom. (Min-Max)	W/W	3.73 (6.82-2.65) ◀A	3.85 (5.00-3.23) ◀A	3.76 (5.00-3.10) ◀A	3.76 (5.00-3.10) ◀A	3.76 (5.00-3.10) ◀A	3.76 (5.00-3.10) ◀A	3.76 (5.00-3.10) ◀A
SCOP	W/W		3.9 ◀A	3.9 ◀A	3.9 ◀A	3.9 ◀A	3.9 ◀A	3.9 ◀A	3.8 ◀A
Pdesign at -10 °C		kW	4.0	6.0	7.1	7.1	7.1	7.1	7.1
Power input Heating	Nom. (Min-Max)	kW	1.500 (0.220-2.450)	1.820 (0.400-2.480)	2.130 (0.400-2.900)	2.130 (0.400-2.900)	2.130 (0.400-2.900)	2.130 (0.400-2.900)	2.070
Annual Energy Consumption (ErP)²⁻³⁾			1436	780	2548	2548	2548	2548	2616
Indoor unit									
Air Volume	Cool / Heat	m ³ /h	840 / 840	1080 / 1080	1080 / 1080	1080 / 1080	1080 / 1080	1080 / 1080	1080 / 1080
Moisture removal volume		l/h	2.8	3.4	4.2	4.2	4.2	4.2	4.2
Sound pressure Level	Cool (Hi/Me/Lo)	dB(A)	40 / 36 / 32	47 / 44 / 40	47 / 44 / 40	47 / 44 / 40	47 / 44 / 40	47 / 44 / 40	47 / 44 / 40
	Heat (Hi/Me/Lo)	dB(A)	40 / 36 / 32	47 / 44 / 40	47 / 44 / 40	47 / 44 / 40	47 / 44 / 40	47 / 44 / 40	47 / 44 / 40
Sound power level	Cool (Hi)	dB	57	64	64	64	64	64	64
	Heat (Hi)	dB	57	64	64	64	64	64	64
Dimensions	H x W x D	mm	300 x 1065 x 230	300 x 1065 x 230	300 x 1065 x 230	300 x 1065 x 230	300 x 1065 x 230	300 x 1065 x 230	300 x 1065 x 230
Net weight		kg	13.0	14.5	14.5	14.5	14.5	14.5	14.5
Outdoor unit									
Power source	V		220 / 240	220 / 240	220 / 240	220 / 240	220 / 240	220 / 240	380 / 415
Recommended fuse									
Recommended cable size									
Connection		mm ²		2 x 1.5 or 2.5	2 x 1.5 or 2.5	2 x 1.5 or 2.5	2 x 1.5 or 2.5	2 x 1.5 or 2.5	2 x 1.5 or 2.5
Current Cooling	Nom. (Min-Max)	A	7.25 / 7.00 / 6.80	7.15	9.40	9.40	9.40	9.40	3.15
Current Heating	Nom. (Min-Max)	A	6.95 / 6.75 / 6.50	8.15	9.50	9.50	9.50	9.50	3.20
Air Volume	Cool / Heat	m ³ /h	1800 / 2100	3600 / 3600	3600 / 3600	3600 / 3600	3600 / 3600	3600 / 3600	3600 / 3600
Sound pressure Level³⁾	Cool / Heat (Hi)	dB(A)	46 / 50	48 / 50	48 / 50	48 / 50	48 / 50	48 / 50	48 / 50
Sound power level	Cool / Heat (Hi)	dB	65 / 69	65 / 67	65 / 67	65 / 67	65 / 67	65 / 67	65 / 67
Dimensions	H x W x D	mm	569 x 790 x 285	996 x 940 x 340	996 x 940 x 340	996 x 940 x 340	996 x 940 x 340	996 x 940 x 340	996 x 940 x 340
Net weight		kg	42	68	69	69	69	69	71
Piping connections	Liquid pipe	Inch (mm)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Gas pipe	Inch (mm)	1/2 (12.7)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)
Refrigerant loading	R410A	kg	1.65	2	2.35	2.35	2.35	2.35	2.35
Elevation dif. (in/out)⁴⁾	Max	m	30	30	30	30	30	30	30
Piping length	Min/Max	m	40	5-50	5-50	5-50	5-50	5-50	5-50
Precharge length	Max	m	30	30	30	30	30	30	30
Additional charge		g/m	20	50	50	50	50	50	50
Operating range	Cool Min/Max	°C	-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 46	-15 / 46
	Heat Min/Max	°C	-20 / 24	-20 / 24	-20 / 24	-20 / 24	-20 / 24	-20 / 24	-20 / 24

Rating Conditions: Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 35 °C DB / 24 °C WB. Heating Indoor 20 °C DB. Cooling Outdoor 7 °C DB / 6 °C WB. (DB: Dry Bulb; WB: Wet Bulb). // Specifications subject to change without notice.

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ELITE

A class energy saving	6.6 A++ SEER*	3.9 A SCOP	Down to -15 °C in cooling mode	Down to -20 °C in heating mode	Easy control by BMS	Possible to use on R22 pipings
INVERTER+	SEASONAL ENERGY EFFICIENCY RATIO	SEASONAL COEFFICIENT OF PERFORMANCE	OUTDOOR TEMPERATURE	OUTDOOR TEMPERATURE	CONNECTIVITY	R22 RENEWAL

5 year
compressor
warranty

SEER and SCOP: For KIT-60PEK1E5 and KIT-71PEK1E5