

LOW STATIC PRESSURE HIDE AWAY PACi STANDARD AND ELITE INVERTER+

The depth of only 250 mm provides greater flexibility and can be used in far more applications.
Ideal for applications with limited false ceiling space.

Technical Focus

- Compact indoor units without losing static pressure (Only 250 mm high)
- 50 Pa static pressure
- Easy maintenance and service by an external electrical box
- 3 speed centrifugal fan through wired or wireless remote control
- DC FAN for better efficiency and control



STANDARD

NEW

		Single Phase				Three Phase			
		6.0 kW	7.1 kW	10.0 kW	12.5 kW	10.0 kW	12.5 kW	14.0 kW	
KIT		KIT-60PNY1E5*	KIT-71PNY1E5*	KIT-100PNY1E5**	KIT-125PNY1E5**	KIT-100PNY1E8**	KIT-125PNY1E8**	KIT-140PNY1E8***	
Indoor		S-60PN1E5	S-71PN1E5	S-100PN1E5	S-125PN1E5	S-100PN1E5	S-125PN1E5	S-140PN1E5	
Outdoor		U-60PEY1E5	U-71PEY1E5	U-100PEY1E5	U-125PEY1E5	U-100PEY1E8	U-125PEY1E8	U-140PEY1E8	
Wired remote control		CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	
Cooling capacity	Nom. (Min-Max)	kW		kW		kW		kW	
		6.0 (2.0-7.0)		7.1 (2.0-7.7)		10.0 (2.7-11.5)		12.5 (3.8-13.5)	
EER¹⁾	Nom. (Min-Max)	W/W		W/W		W/W		W/W	
		3.02 (6.15-2.38) ◀C		2.76 (6.15-2.38) ◀D		2.81 (4.74-2.67) ◀C		2.81 (4.74-2.67) ◀C	
SEER		W/W		W/W		W/W		W/W	
		4.7 ◀C		5.0 ◀B		5.3 ◀A		—	
Pdesign		kW		kW		kW		kW	
		6.0		7.1		10.0		12.5	
Power input Cooling	Nom. (Min-Max)	kW		kW		kW		kW	
		1.99 (0.325-2.94)		2.57 (0.325-3.23)		3.560 (0.570-4.300)		4.445 (0.95-5.20)	
Annual Energy Consumption^{2-a)}		995		1265		1775		2223	
Annual Energy Consumption (ErP)^{2-b)}		444		496		660		673	
Heating capacity	Nom. (Min-Max)	kW		kW		kW		kW	
		6.0 (1.8-7.0) ◀B		7.1 (1.8-8.1) ◀B		10.0 (2.1-13.8) ◀B		12.5 (3.4-15.0) ◀B	
COP¹⁾	Nom. (Min-Max)	W/W		W/W		W/W		W/W	
		3.61 (6.55-2.89) ◀B		3.41 (6.55-2.91) ◀B		3.41 (4.67-3.37) ◀B		3.41 (4.67-3.37) ◀B	
SCOP		W/W		W/W		W/W		W/W	
		3.8 ◀A		3.8 ◀A		—		3.8 ◀A	
Pdesign at -10 °C		kW		kW		kW		kW	
		4.8		5.3		7.6		7.6	
Power input Heating	Nom. (Min-Max)	kW		kW		kW		kW	
		1.66 (0.275-2.42)		2.08 (0.275-2.78)		2.935 (0.450-4.100)		3.665 (0.78-4.60)	
Annual Energy Consumption (ErP)^{2-b)}		1757		1952		2800		—	
Indoor unit									
External static pressure³⁾	Nom. (Min-Max)	Pa		Pa		Pa		Pa	
		50 (10-80)		50 (10-80)		50 (10-80)		50 (10-80)	
Air Volume	Cool / Heat	m ³ /h		m ³ /h		m ³ /h		m ³ /h	
		1320 / 1320		1320 / 1320		2160 / 2160		2280 / 2280	
Moisture removal volume		L/h		L/h		L/h		L/h	
		3.4		4.2		6.0		7.9	
Sound pressure Level	Cool (Hi/Me/Lo)	dB(A)		dB(A)		dB(A)		dB(A)	
		43 / 41 / 36		43 / 41 / 36		44 / 42 / 37		45 / 43 / 38	
	Heat (Hi/Me/Lo)	dB(A)		dB(A)		dB(A)		dB(A)	
		43 / 41 / 36		43 / 41 / 36		44 / 42 / 37		45 / 43 / 38	
Sound power level	Cool (Hi/Me/Lo)	dB		dB		dB		dB	
		60 / 58 / 53		60 / 58 / 53		65 / 63 / 58		66 / 64 / 59	
	Heat (Hi/Me/Lo)	dB		dB		dB		dB	
		60 / 58 / 53		60 / 58 / 53		65 / 63 / 58		66 / 64 / 59	
Dimensions	H x W x D	mm		mm		mm		mm	
		250 x 1000 (+100) x 650		250 x 1000 (+100) x 650		250 x 1200 (+100) x 650		250 x 1200 (+100) x 650	
Net weight		kg		kg		kg		kg	
		32		32		41		41	
Outdoor unit									
Power source		V		V		V		V	
		220 / 230 / 240		220 / 230 / 240		220 / 230 / 240		380 / 400 / 415	
Recommended fuse									
Recommended cable size		m		m		m		m	
Connection		mm ²		mm ²		mm ²		mm ²	
								2 x 1.5 or 2.5	
Current Cooling		A		A		A		A	
		9.1/8.7/8.4		12.0/11.5/11.0		16.0 / 15.3 / 14.8		20.1 / 19.3 / 18.7	
Current Heating		A		A		A		A	
		7.5/7.2/6.9		9.6/9.2/8.9		13.0 / 12.5 / 12.1		16.5 / 15.8 / 15.2	
Air Volume	Cool / Heat	m ³ /h		m ³ /h		m ³ /h		m ³ /h	
		1800/2100		2340		4560 / 4020		4800 / 4380	
Sound pressure Level⁴⁾	Cool / Heat (Hi)	dB(A)		dB(A)		dB(A)		dB(A)	
		48 / 50		50 / 52		54 / 54		56 / 56	
Sound power level	Cool / Heat (Hi)	dB		dB		dB		dB	
		65 / 69		70 / 70		73 / 73		70 / 70	
Dimensions	H x W x D	mm		mm		mm		mm	
		569 x 790 x 285		569 x 790 x 285		996 x 940 x 340		996 x 940 x 340	
Net weight		kg		kg		kg		kg	
		42		42		73		73	
Piping connections	Liquid / Gas pipe	Inch (mm)		Inch (mm)		Inch (mm)		Inch (mm)	
		3/8 (9.52) / 5/8 (15.88)		3/8 (9.52) / 5/8 (15.88)		3/8 (9.52) / 5/8 (15.88)		3/8 (9.52) / 5/8 (15.88)	
Refrigerant loading	R410A	kg		kg		kg		kg	
		1.7		1.7		2.60		3.20	
Elevation dif. (in/out)⁵⁾	Max	m		m		m		m	
		30		30		30		30	
Piping length	Min/Max	m		m		m		m	
		50		50		5 / 50		5 / 50	
Precharge length	Max	m		m		m		m	
		20		20		30		30	
Additional charge		g/m		g/m		g/m		g/m	
		40		40		50		50	
Operating range	Cool Min/Max	°C		°C		°C		°C	
		-10 / 43		-10 / 43		-10 / 43		-10 / 43	
	Heat Min/Max	°C		°C		°C		°C	
		-15 / 24		-15 / 24		-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) Medium External static pressure setting from factory. The specification listed on the table indicates values under the condition of 50 Pa (5.1 mmAq) which are applied for factory default setting. 4) 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. 5) Add 100 mm for indoor unit or 70 mm for outdoor unit for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit. // Recommended fuse for the indoor 3A. // * Available from May 2013. ** Available from January 2013. *** TBC.
 For detailed information about ErP, please visit our page <http://www.doc.panasonic.de>

STANDARD

A class
energy saving

5.4 A
SEER

3.8 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



SEER and SCOP: For KIT-60PNY1E5

OPTIONAL CONTROLLERS

Timer remote controller
CZ-RTC2



Wireless remote controller
CZ-RWSC2



Simplified remote controller
CZ-REZC2



COMPATIBLE WITH ALL ECOi CONNECTIVITY SOLUTIONS



ELITE

		Single Phase						Three Phase					
		5.0 kW	6.0 kW	7.1 kW	10.0 kW	12.5 kW	14.0 kW	7.1 kW	10.0 kW	12.5 kW	14.0 kW		
KIT		KIT-50PN1E5*	KIT-60PN1E5	KIT-71PN1E5	KIT-100PN1E5	KIT-125PN1E5	KIT-140PN1E5	KIT-71PN1E8	KIT-100PN1E8	KIT-125PN1E8	KIT-140PN1E8		
Indoor		S-50PN1E5	S-60PN1E5	S-71PN1E5	S-100PN1E5	S-125PN1E5	S-140PN1E5	S-71PN1E5	S-100PN1E5	S-125PN1E5	S-140PN1E5		
Outdoor		U-50PE1E5	U-60PE1E5	U-71PE1E5	U-100PE1E5	U-125PE1E5	U-140PE1E5	U-71PE1E8	U-100PE1E8	U-125PE1E8	U-140PE1E8		
Wired remote control		CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	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)	10.0 (3.3-12.5)	12.5 (3.3-14.0)	14.0 (3.3-15.5)	7.1 (2.5-8.0)	10.0 (3.3-12.5)	12.5 (3.3-14.0)	14.0 (3.3-15.5)		
EER¹⁾	Nom. (Min-Max) kW	3.21 (5.77 - 2.42) A	3.24 (4.55-3.37) A	3.30 (4.55-2.91) A	3.75 (3.79-3.29) A	3.16 (3.90-2.96) A	3.01 (3.30-2.50) A	3.30 (4.55-2.91) A	3.75 (3.79-3.29) A	3.21 (3.30-2.92) A	3.01 (3.30-2.50) A		
SEER	W/W	4.6 B	5.5 A+	5.5 A+	6.0 A+	—	—	5.2 A+	5.8 A+	—	—		
Pdesign	kW	5.0	6.0	7.1	10.0	—	—	7.1	10.0	—	—		
Power input Cooling	Nom. (Min-Max) kW	1.56 (0.26 - 2.31)	1.850 (0.550-2.100)	2.150 (0.550-2.150)	2.670 (0.870-3.800)	3.890 (1.000-4.800)	4.650 (1.000-6.200)	2.150 (0.550-2.150)	2.670 (0.870-3.800)	3.890 (1.000-4.800)	4.650 (1.000-6.200)		
Annual Energy Consumption^{2-a)}		780	925	1075	1335	1945	2325	1075	1335	1945	2325		
Annual Energy Consumption(ErP)^{2-b)}		380	382	452	583	—	—	477	603	—	—		
Heating capacity	Nom. (Min-Max) kW	5.6 (1.5 - 6.3)	7.0 (2.0-8.0)	8.0 (2.0-9.0)	11.2 (4.1-14.0)	14.0 (4.1-16.0)	16.0 (4.1-18.0)	8.0 (2.0-9.0)	11.2 (4.1-14.0)	14.0 (4.1-16.0)	16.0 (4.1-18.0)		
COP¹⁾	Nom. (Min-Max) W/W	3.22 (6.82 - 2.50) A	3.61 (4.00-3.09) A	3.54 (4.00-3.08) B	3.80 (4.18-3.11) A	3.61 (3.90-2.96) A	3.41 (3.90-2.95) B	3.54 (4.00-3.08) B	3.80 (4.18-3.11) A	3.61 (3.90-2.96) A	3.41 (3.90-2.95) B		
SCOP¹⁾	W/W	3.8 A	3.8 A	3.7 A	5.3 A+++	—	—	3.7 A	5.2 A+++	—	—		
Pdesign at -10 °C	kW	3.8	5.6	6.5	7.6	—	—	6.5	7.6	—	—		
Power input Heating	Nom. (Min-Max) kW	1.74 (0.22 - 2.52)	1.940 (0.500-2.580)	2.260 (0.500-2.820)	2.950 (0.980-4.500)	3.880 (1.050-5.400)	4.690 (1.050-6.100)	2.260 (0.500-2.820)	2.950 (0.980-4.500)	3.880 (1.050-5.400)	4.690 (1.050-6.100)		
Annual Energy Consumption (ErP)^{2-b)}		1400	2061	2458	3590	—	—	2458	3684	—	—		
Indoor unit													
External static pressure³⁾	Hi/Me/Lo Pa	50 (10 - 80)	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10		
Air Volume	Cool / Heat m³/h	960 / 960	1320 / 1320	1320 / 1320	2160 / 2160	2280 / 2280	2400 / 2400	1320	2160 / 2160	2280 / 2280	2400 / 2400		
Moisture removal volume	l/h	2.8	3.4	4.2	6.0	7.9	9.0	4.2	6.0	7.9	9.0		
Sound pressure Level	Cool (Hi/Me/Lo) dB(A)	41 / 39 / 35	43 / 41 / 36	43 / 41 / 36	44 / 42 / 37	45 / 43 / 38	46 / 44 / 39	43 / 41 / 36	44 / 42 / 37	45 / 43 / 38	46 / 44 / 39		
	Heat (Hi/Me/Lo) dB(A)	41 / 39 / 35	43 / 41 / 36	43 / 41 / 36	44 / 42 / 37	45 / 43 / 38	46 / 44 / 39	43 / 41 / 36	44 / 42 / 37	45 / 43 / 38	46 / 44 / 39		
Sound power level	Cool (Hi/Me/Lo) dB	58 / 56 / 52	60 / 58 / 53	60 / 58 / 53	65 / 63 / 58	66 / 64 / 59	67 / 65 / 60	60 / 58 / 53	65 / 63 / 58	66 / 64 / 59	67 / 65 / 60		
	Heat (Hi/Me/Lo) dB	58 / 56 / 52	60 / 58 / 53	60 / 58 / 53	65 / 63 / 58	66 / 64 / 59	67 / 65 / 60	60 / 58 / 53	65 / 63 / 58	66 / 64 / 59	67 / 65 / 60		
Dimensions	H x W x D mm	250x1000+100x650	250x1000+100x650	250x1000+100x650	250x1200+100x650	250x1200+100x650	250x1200+100x650	250x1000+100x650	250x1200+100x650	250x1200+100x650	250x1200+100x650		
Net weight	kg	32	32	32	41	41	41	32	41	41	41		
Outdoor unit													
Power source	V	220 / 240	220 / 240	220 / 240	220 / 240	220 / 240	220 / 240	380 / 415	380 / 415	380 / 415	380 / 415		
Recommended fuse													
Recommended cable size	m												
Connection	mm²		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	2 x 1.5 or 2.5	2 x 1.5 or 2.5		
Current	Cool / Heat A	7.1 / 8.0	8.00 / 8.40	9.40 / 9.90	11.20 / 12.50	16.90 / 16.80	20.10 / 20.20	— / —	3.75 / 4.15	5.50 / 5.50	6.60 / 6.65		
Air Volume	Cool / Heat m³/h	1800 / 2100	3600 / 3600	3600 / 3600	6600 / 5700	7800 / 6600	8100 / 7200	3600 / 3600	6600 / 5700	7800 / 6600	8100 / 7200		
Sound pressure Level⁴⁾	Cool / Heat (Hi) dB(A)	46 / 50	48 / 50	48 / 50	52 / 52	53 / 53	54 / 55	48 / 50	52 / 52	53 / 53	54 / 55		
Sound power level	Cool / Heat (Hi) dB	65 / 69	65 / 67	65 / 67	69 / 69	70 / 70	71 / 71	65 / 67	69 / 69	70 / 70	71 / 71		
Dimensions	H x W x D mm	569 x 790 x 285	996 x 940 x 340	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340		
Net weight	kg	42	68	69	98	98	98	69	98	98	98		
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)	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)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)		
Refrigerant loading	R410A kg	1.65	2	2.35	3.4	3.4	3.4	2.35	3.4	3.4	3.4		
Elevation dif. (in/out)⁵⁾	Max m	30	30	30	30	30	30	30	30	30	30		
Piping length	Min/Max m	5 - 40	5-50	5-50	5-75	5-75	5-75	5-50	5-75	5-75	5-75		
Precharge length	Max m	30	30	30	30	30	30	30	30	30	30		
Additional charge	g/m	20	50	50	50	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	-15 / 46	-15 / 46	-15 / 46		
	Heat Min/Max °C	-20 / 24	-20 / 24	-20 / 24	-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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 For detailed information about ErP, please visit our page <http://www.doc.panasonic.de>

ELITE

A class energy saving
INVERTER+

6.0 A+ SEER
SEASONAL ENERGY EFFICIENCY RATIO

5.3 A+++ SCOP
SEASONAL COEFFICIENT OF PERFORMANCE

Down to -15 °C in cooling mode
OUTDOOR TEMPERATURE

Down to -20 °C in heating mode
OUTDOOR TEMPERATURE

Easy control by BMS
CONNECTIVITY

Possible to use on R22 pipings
R22 RENEWAL

5 year compressor warranty



SEER and SCOP: For KIT-100PN1E5