

## CEILING PACi STANDARD AND ELITE INVERTER+

The range of ceiling mounted units feature a DC fan motor for increased efficiency and reduced operating sound levels. All the units are the same height and depth for a uniform appearance in mixed installations and feature a fresh air knockout for improved air quality.

### Technical Focus

- All units just 210 mm high
- Twin rotary compressor dramatically reduces vibration and noise during operation
- DC inverter control
- Large and wide air distribution
- Industry-leading low sound levels
- Twin, Triple and Double-twin split options



### 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	
<b>KIT</b>		KIT-60PTY1E5*	KIT-71PTY1E5*	KIT-100PTY1E5**	KIT-125PTY1E5**	KIT-100PTY1E8**	KIT-125PTY1E8**	KIT-140PTY1E8***	
<b>Indoor</b>		S-60PT1E5	S-71PT1E5	S-100PT1E5	S-125PT1E5	S-100PT1E5	S-125PT1E5	S-140PT1E5	
<b>Outdoor</b>		U-60PEY1E5	U-71PEY1E5	U-100PEY1E5	U-125PEY1E5	U-100PEY1E8	U-125PEY1E8	U-140PEY1E8	
<b>Wired remote control</b>		CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	
<b>Cooling capacity</b>	Nom. (Min-Max)	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)	10.0 (2.7-11.5)	12.5 (3.8-13.5)	14.0 (3.3-15.5)
<b>EER<sup>1)</sup></b>	Nom. (Min-Max)	W/W	2.90 (6.15-2.41) ◀C	2.63 (6.15-2.33) ◀D	2.90 (5.09-2.74) ◀C	2.90 (4.22-2.70) ◀C	2.90 (5.09-2.74) ◀C	2.90 (4.22-2.70) ◀C	2.92 (3.93-2.58) ◀C
<b>SEER</b>		W/W	5.5 ◀B	5.1 ◀B	6.2 ◀A++	—	6.0 ◀A+	—	—
<b>Pdesign</b>		kW	6	7.1	10.0	—	10.0	—	—
<b>Power input Cooling</b>	Nom. (Min-Max)	kW	2.070 (0.325-2.900)	2.700 (0.325-3.300)	3.450 (0.530-4.200)	4.310 (0.900-5.000)	3.450 (0.530-4.200)	4.310 (0.900-5.000)	4.800 (0.840-6.000)
<b>Annual Energy Consumption<sup>2-a)</sup></b>			1035	1350	1725	2155	1725	2155	2400
<b>Annual Energy Consumption(ERP)<sup>2-b)</sup></b>			382	487	564	—	583	—	—
<b>Heating capacity</b>	Nom. (Min-Max)	kW	6.0 (1.8-7.0)	7.1 (1.8-8.1)	10.0 (2.1-13.8)	12.5 (3.4-15.0)	10.0 (2.1-13.8)	12.5 (3.4-15.0)	14.0 (4.1-16.0)
<b>COP<sup>1)</sup></b>	Nom. (Min-Max)	W/W	4.05 (6.55-3.25) ◀A	3.60 (6.55-3.12) ◀A	3.70 (5.12-3.45) ◀A	3.70 (4.66-3.41) ◀A	3.70 (5.12-3.45) ◀A	3.70 (4.66-3.41) ◀A	3.83 (4.56-3.08) ◀A
<b>SCOP</b>		W/W	3.8 ◀A	3.8 ◀A	3.8 ◀A	—	3.8 ◀A	—	—
<b>Pdesign at -10 °C</b>		kW	6.0	6.0	10.0	—	10.0	—	—
<b>Power input Heating</b>	Nom. (Min-Max)	kW	1.480 (0.275-2.155)	1.970 (0.275-2.600)	2.700 (0.410-4.000)	3.380 (0.730-4.400)	2.700 (0.410-4.000)	3.380 (0.730-4.400)	3.660 (0.900-5.200)
<b>Annual Energy Consumption (ErP)<sup>2-b)</sup></b>			2210	2210	3684	—	3684	—	—
<b>Indoor unit</b>									
<b>Air Volume</b>	Cool / Heat	m <sup>3</sup> /h	1140 / 1140	1140 / 1140	1980 / 1980	2100 / 2100	1980 / 1980	2100 / 2100	2160 / 2160
<b>Moisture removal volume</b>		U/h	3.4	4.2	6.0	7.9	6.0	7.9	9.0
<b>Sound pressure Level</b>	Cooling (Hi / Lo)	dB(A)	39 / 36 / 33	39 / 36 / 33	42 / 38 / 35	45 / 40 / 37	42 / 38 / 35	45 / 40 / 37	46 / 41 / 38
	Heating (Hi / Lo)	dB(A)	40 / 36 / 33	40 / 36 / 33	42 / 38 / 35	45 / 40 / 37	42 / 38 / 35	45 / 40 / 37	47 / 43 / 39
<b>Sound power level</b>	Cool (Hi)	dB	58	58	62 / 56 / 53	64 / 58 / 55	62 / 56 / 53	64 / 58 / 55	64
	Heat (Hi)	dB	58	58	62 / 56 / 53	64 / 58 / 55	62 / 56 / 53	64 / 58 / 55	65
<b>Dimensions</b>	H x W x D	mm	210 x 1180 x 680	210 x 1180 x 680	210 x 1595 x 680	210 x 1595 x 680	210 x 1595 x 680	210 x 1595 x 680	210 x 1595 x 680
<b>Net weight</b>		kg	25	25	33	33	33	33	33
<b>Outdoor unit</b>									
<b>Power source</b>	V		220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415	380 / 415
<b>Recommended fuse</b>									
<b>Recommended cable size</b>	m								
<b>Connection</b>	mm <sup>2</sup>								2 x 1.5 or 2.5
<b>Current Cooling</b>	A		9.75 / 9.4 / 9.1	12.8 / 12.4 / 12.0	16.2 / 15.5 / 14.6	20.4 / 19.5 / 18.7	5.45 / 5.20 / 4.95	6.75 / 6.45 / 6.20	6.60
<b>Current Heating</b>	A		6.9 / 6.65 / 6.45	9.3 / 9.0 / 8.7	12.6 / 12.0 / 11.5	15.8 / 15.1 / 14.4	4.30 / 4.05 / 3.90	5.25 / 5.00 / 4.80	6.65
<b>Air Volume</b>	Cool / Heat	m <sup>3</sup> /h	1800 / 2100	2340	4560 / 4020	4800 / 4380	4560 / 4020	4800 / 4380	8100 / 6600
<b>Sound pressure Level<sup>3)</sup></b>	Cool / Heat (Hi)	dB(A)	48 / 50	50 / 52	54 / 54	56 / 56	54 / 54	56 / 56	54 / 53
<b>Sound power level</b>	Cool / Heat (Hi)	dB	65 / 69	70 / 70	70 / 70	73 / 73	70 / 70	73 / 73	71 / 70
<b>Dimensions</b>	H x W x D	mm	569 x 790 x 285	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	1416 x 940 x 340
<b>Net weight</b>		kg	42	42	73	85	73	85	98
<b>Piping connections</b>	Liquid pipe	Inch (mm)	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)	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)
<b>Refrigerant loading</b>	R410A	kg	1.7	1.7	2.60	3.20	2.60	3.20	3.4
<b>Elevation dif. (in/out)<sup>4)</sup></b>	Max	m	30	30	30	30	30	30	30
<b>Piping length</b>	Min/Max	m	50	50	5 / 50	5 / 50	5 / 50	5 / 50	5-75
<b>Precharge length</b>	Max	m	20	20	30	30	30	30	30
<b>Additional charge</b>		g/m	40	40	50	50	50	50	50
<b>Operating range</b>	Cool Min/Max	°C	-10 ~ 43	-10 ~ 43	-10 / 43	-10 / 43	-10 / 43	-10 / 43	-10 / 43
	Heat Min/Max	°C	-15 ~ 24	-15 ~ 24	-15 / 24	-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) 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. \*\* Available from January 2013. \*\*\* TBC. For detailed information about ErP, please visit our page <http://www.doc.panasonic.de>

### STANDARD

A class energy saving  
INVERTER+

6.2 A++ SEER  
SEASONAL ENERGY EFFICIENCY RATIO

3.8 A SCOP  
SEASONAL COEFFICIENT OF PERFORMANCE

Down to -10 °C in cooling mode  
OUTDOOR TEMPERATURE

Down to -15 °C in heating mode  
OUTDOOR TEMPERATURE

Easy control by BMS  
CONNECTIVITY

Possible to use on R22 pipings  
R22 RENEWAL

5 year compressor warranty

R2  
SEASONAL ENERGY EFFICIENCY RATIO



OPTIONAL CONTROLLERS

Timer remote controller  
CZ-RTC2



Wireless remote controller  
CZ-RWSC2 / CZ-RWST2



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		
<b>KIT</b>		KIT-50PT1E5*	KIT-60PT1E5	KIT-71PT1E5	KIT-100PT1E5	KIT-125PT1E5	KIT-140PT1E5	KIT-71PT1E8	KIT-100PT1E8	KIT-125PT1E8	KIT-140PT1E8		
<b>Indoor</b>		S-50PT1E5	S-60PT1E5	S-71PT1E5	S-100PT1E5	S-125PT1E5	S-140PT1E5	S-71PT1E5	S-100PT1E5	S-125PT1E5	S-140PT1E5		
<b>Outdoor</b>		U-50PE1E5	U-60PE1E5	U-71PE1E5	U-100PE1E5	U-125PE1E5	U-140PE1E5	U-71PE1E8	U-100PE1E8	U-125PE1E8	U-140PE1E8		
<b>Wired remote control</b>		CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2	CZ-RTC2		
<b>Cooling capacity</b>	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)		
<b>EER<sup>1)</sup></b>	Nom. (Min-Max) kW	2.99 (5.77-2.38) <b>C</b>	3.75 (5.56-3.55) <b>A</b>	3.24 (5.56-3.02) <b>A</b>	3.70 (3.93-3.38) <b>A</b>	3.24 (3.93-3.04) <b>A</b>	2.92 (3.93-2.58) <b>C</b>	3.24 (5.56-3.02) <b>A</b>	3.70 (3.93-3.38) <b>A</b>	3.24 (3.93-3.04) <b>A</b>	2.92 (3.93-2.58) <b>C</b>		
<b>SEER</b>	W/W	5.2 <b>A+</b>	6.4 <b>A++</b>	6.0 <b>A+</b>	6.3 <b>A++</b>	—	—	5.5 <b>A</b>	6.2 <b>A++</b>	—	—		
<b>Pdesign</b>	kW	5.0	6.0	7.1	10.0	—	—	7.1	10.0	—	—		
<b>Power input Cooling</b>	Nom. (Min-Max) kW	1.670 (0.260-2.350)	1.600 (0.450-2.00)	2.190 (0.450-2.650)	2.700 (0.840-3.700)	3.860 (0.840-4.600)	4.800 (0.840-6.00)	2.190 (0.450-2.650)	2.700 (0.840-3.700)	3.860 (0.840-4.600)	4.800 (0.840-6.00)		
<b>Annual Energy Consumption<sup>2-a)</sup></b>		835	800	1095	1350	1930	2400	1095	1350	1930	2400		
<b>Annual Energy Consumption (ErP)<sup>2-b)</sup></b>		336	328	414	555	—	—	452	564	—	—		
<b>Heating capacity</b>	Nom. (Min-Max) kW	5.6 (1.5-6.5)	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)		
<b>COP<sup>1)</sup></b>	Nom. (Min-Max) W/W	3.39 (6.82-2.50) <b>C</b>	3.80 (5.00-3.23) <b>A</b>	3.45 (5.00-3.10) <b>B</b>	4.18 (4.56-3.18) <b>A</b>	3.83 (4.56-3.08) <b>A</b>	3.45 (4.56-3.05) <b>B</b>	3.45 (5.00-3.10) <b>B</b>	4.18 (4.56-3.18) <b>A</b>	3.83 (4.56-3.08) <b>A</b>	3.45 (4.56-3.05) <b>B</b>		
<b>SCOP<sup>1)</sup></b>	W/W	3.5 <b>A</b>	3.8 <b>A</b>	3.5 <b>A</b>	4.1 <b>A+</b>	—	—	3.4 <b>A</b>	4.1 <b>A+</b>	—	—		
<b>Pdesign at -10 °C</b>	kW	4.0	6.0	7.1	10.0	—	—	7.1	10.0	—	—		
<b>Power input Heating</b>	Nom. (Min-Max) kW	1.650 (0.220-2.600)	1.840 (0.400-2.480)	2.320 (0.400-2.900)	2.680 (0.900-4.400)	3.660 (0.900-5.200)	4.640 (0.900-5.900)	2.320 (0.400-2.900)	2.680 (0.900-4.400)	3.660 (0.900-5.200)	4.640 (0.900-5.900)		
<b>Annual Energy Consumption (ErP)<sup>2-b)</sup></b>		1600	2210	2840	3415	—	—	2923	3415	—	—		
<b>Indoor unit</b>													
<b>Air Volume</b>	Cool / Heat m <sup>3</sup> /h	780 / 780	1140 / 1140	1140 / 1140	1980 / 1980	2100 / 2100	2160 / 2160	1140 / 1140	1980 / 1980	2100 / 2100	2160 / 2160		
<b>Moisture removal volume</b>	l/h	2.8	3.4	4.2	6.0	7.9	9.0	4.2	6.0	7.9	9.0		
<b>Sound pressure Level</b>	Cooling (Hi / Lo) dB(A)	36 / 33 / 30	39 / 36 / 33	39 / 36 / 33	42 / 38 / 35	45 / 40 / 37	46 / 41 / 38	39 / 36 / 33	42 / 38 / 35	45 / 40 / 37	46 / 41 / 38		
	Heating (Hi / Lo) dB(A)	36 / 33 / 30	40 / 36 / 33	40 / 36 / 33	44 / 39 / 36	46 / 41 / 38	47 / 43 / 39	40 / 36 / 33	44 / 39 / 36	46 / 41 / 38	47 / 43 / 39		
<b>Sound power level</b>	Cool (Hi) dB	47	58	58	61	63	64	58	61	63	64		
	Heat (Hi) dB	47	58	58	62	64	65	58	62	64	65		
<b>Dimensions</b>	H x W x D mm	210 x 910 x 680	210 x 1180 x 680	210 x 1180 x 680	210 x 1595 x 680	210 x 1595 x 680	210 x 1595 x 680	210 x 1180 x 680	210 x 1595 x 680	210 x 1595 x 680	210 x 1595 x 680		
<b>Net weight</b>	kg	21	25	25	33	33	33	25	33	33	33		
<b>Outdoor unit</b>													
<b>Power source</b>	V	220 / 240	220 / 240	220 / 240	220 / 240	220 / 240	220 / 240	380 / 415	380 / 415	380 / 415	380 / 415		
<b>Recommended fuse</b>													
<b>Recommended cable size</b>	m												
<b>Connection</b>	mm <sup>2</sup>		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		
<b>Current Cooling</b>	Nom. (Min-Max) A	7.70 / 7.45 / 7.20	7.40	9.90	11.90	17.10	21.30	3.30	4.05	5.80	7.25		
<b>Current Heating</b>	Nom. (Min-Max) A	7.60 / 7.35 / 7.15	8.30	10.40	11.80	16.20	20.60	3.45	4.00	5.50	7.00		
<b>Air Volume</b>	Cool / Heat m <sup>3</sup> /h	1800 / 2100	3600 / 3600	3600 / 3600	6600 / 5700	7800 / 6600	8100 / 7200	3600 / 3600	6600 / 5700	7800 / 6600	8100 / 7200		
<b>Sound pressure Level<sup>3)</sup></b>	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		
<b>Sound power level</b>	Cool / Heat (Hi) dB	65 / 69	65 / 67	65 / 67	69 / 69	70 / 70	71 / 71	65 / 67	69 / 69	70 / 70	71 / 71		
<b>Dimensions</b>	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		
<b>Net weight</b>	kg	42	68	69	98	98	98	69	98	98	98		
<b>Piping connections</b>	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)		
<b>Refrigerant loading</b>	R410A kg	1.65	2	2.35	3.4	3.4	3.4	2.35	3.4	3.4	3.4		
<b>Elevation dif. (in/out)<sup>4)</sup></b>	Max m	30	30	30	30	30	30	30	30	30	30		
<b>Piping length</b>	Min/Max m	40	5-50	5-50	5-75	5-75	5-75	5-50	5-75	5-75	5-75		
<b>Precharge length</b>	Max m	30	30	30	30	30	30	30	30	30	30		
<b>Additional charge</b>	g/m	20	50	50	50	50	50	50	50	50	50		
<b>Operating range</b>	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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ELITE

**A class**  
energy saving

**INVERTER+**

**6.4 A++**  
SEER

SEASONAL ENERGY EFFICIENCY RATIO

**3.8 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-60PT1E5