

# HIGH STATIC PRESSURE HIDE AWAY PACi STANDARD AND ELITE INVERTER+

The ducted systems are the ideal solution for flexible, concealed air conditioning and the optional 200 mm spigots ensure simple, hassle-free connection to spiral ductwork.

### Technical Focus

- Extremely quiet operation from 25 dB(A)
- Auto restart after power failure
- Auto changeover
- Twin, triple and Double-twin split options
- DC FAN for better efficiency and control
- Built in drain pump



S-100PF1E5 // S-125PF1E5 // S-140PF1E5



S-60PEY1E5 // S-71PF1E5

## 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-60PFY1E5*	KIT-71PFY1E5*	KIT-100PFY1E5**	KIT-125PFY1E5**	KIT-100PFY1E8**	KIT-125PFY1E8**	KIT-140PFY1E8***	
<b>Indoor</b>		S-60PF1E5	S-71PF1E5	S-100PF1E5	S-125PF1E5	S-100PF1E5	S-125PF1E5	S-140PF1E5	
<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	3.11 (6.15-2.46) ◀B	2.76 (6.15-2.35) ◀D	3.01 (5.09-2.74) ◀B	3.05 (4.22-2.70) ◀B	3.01 (5.09-2.74) ◀B	3.05 (4.22-2.70) ◀B	3.21 (3.93-2.58) ◀A
<b>SEER</b>		W/W	5.4 ◀A	5.3 ◀A	5.4 ◀A	—	5.2 ◀A	—	—
<b>Pdesign</b>		kW	6.0	7.1	10.0	—	10.0	—	—
<b>Power input Cooling</b>	Nom. (Min-Max)	kW	1.930 (0.325-2.850)	2.570 (0.325-3.270)	3.320 (0.530-4.200)	4.100 (0.900-5.000)	3.320 (0.530-4.200)	4.100 (0.900-5.000)	4.360 (0.840-6.000)
<b>Annual Energy Consumption (ErP)<sup>2-3)</sup></b>			965	1285	1660	2050	1660	2050	2155
<b>Annual Energy Consumption (ErP)<sup>2-3)</sup></b>			389	469	648	—	673	—	—
<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	4.26 (6.55-3.41) ◀A	3.94 (6.55-3.40) ◀A	3.80 (5.12-3.45) ◀A	3.82 (4.66-3.41) ◀A	3.80 (5.12-3.45) ◀A	3.82 (4.66-3.41) ◀A	3.89 (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	5.0	5.5	9.5	—	9.5	—	—
<b>Power input Heating</b>	Nom. (Min-Max)	kW	1.410 (0.275-2.055)	1.800 (0.275-2.380)	2.630 (0.410-4.000)	3.270 (0.730-4.400)	2.630 (0.410-4.000)	3.270 (0.730-4.400)	3.600 (0.900-5.200)
<b>Annual Energy Consumption (ErP)<sup>2-3)</sup></b>			1842	2026	3500	—	3500	—	—
<b>Indoor unit</b>									
<b>External static pressure<sup>3)</sup></b>	Nom. (Min-Max)	Pa	70 (10-150)	70 (10-150)	100 (10-150)	100 (10-150)	100 (10-150)	100 (10-150)	100 (10-150)
<b>Air Volume</b>	Cool / Heat	m <sup>3</sup> /h	1260 / 1260	1260 / 1260	1920 / 1920	2040 / 2040	1920 / 1920	2040 / 2040	2160 / 2160
<b>Moisture removal volume</b>		l/h	3.4	4.2	6.0	7.9	6.0	7.9	9.0
<b>Sound pressure Level</b>	Cool (Hi/Me/Lo)	dB(A)	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
	Heat (Hi/Me/Lo)	dB(A)	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
<b>Sound power level</b>	Cool (Hi/Me/Lo)	dB	57 / 54 / 48	57 / 54 / 48	60 / 56 / 53	61 / 57 / 54	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55
	Heat (Hi/Me/Lo)	dB	57 / 54 / 48	57 / 54 / 48	60 / 56 / 53	61 / 57 / 54	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55
<b>Dimensions</b>	H x W x D	mm	290 x 1000 x 700	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
<b>Net weight</b>		kg	33	33	45	45	45	45	45
<b>Outdoor unit</b>									
<b>Power source</b>	V		220 / 240	220 / 240	220 / 240	220 / 240	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
<b>Current Cooling</b>	A		8.6	11.7	15.1 / 14.5 / 13.9	18.8 / 18.0 / 17.2	5.10 / 4.85 / 4.70	6.20 / 5.90 / 5.70	6.60
<b>Current Heating</b>	A		6.1	7.9	11.8 / 11.2 / 10.7	14.6 / 14.0 / 13.4	4.05 / 3.80 / 3.65	4.90 / 4.65 / 4.50	6.65
<b>Air Volume</b>	Cool / Heat (Hi)	m <sup>3</sup> /h	1800 / 2100	2340 / 2340	4560 / 4020	4800 / 4380	4560 / 4020	4800 / 4380	8100 / 6600
<b>Sound pressure Level<sup>4)</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	66 / 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	85	85	98
<b>Piping connections</b>	Liquid / Gas pipe	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)	3/8 (9.52) / 5/8 (15.88)	3/8 (9.52) / 5/8 (15.88)	3/8 (9.52) / 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>5)</sup></b>	Max	m	30	30	30	30	30	30	30
<b>Piping length</b>	Min/Max	m	5 - 50	5 - 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) 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. 3) Medium External static pressure setting from factory. 4) The Sound pressure level of the units shows the value measured at 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) 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-60PFY1E5 and KIT-100PFY1E5

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
<b>KIT</b>		<b>KIT-50PF1E5*</b>	<b>KIT-60PF1E5</b>	<b>KIT-71PF1E5</b>	<b>KIT-100PF1E5</b>	<b>KIT-125PF1E5</b>	<b>KIT-140PF1E5</b>	<b>KIT-71PF1E8</b>	<b>KIT-100PF1E8</b>	<b>KIT-125PF1E8</b>	<b>KIT-140PF1E8</b>
<b>Indoor</b>		<b>S-50PF1E5</b>	<b>S-60PF1E5</b>	<b>S-71PF1E5</b>	<b>S-100PF1E5</b>	<b>S-125PF1E5</b>	<b>S-140PF1E5</b>	<b>S-71PF1E5</b>	<b>S-100PF1E5</b>	<b>S-125PF1E5</b>	<b>S-140PF1E5</b>
<b>Outdoor</b>		<b>U-50PE1E5</b>	<b>U-60PE1E5</b>	<b>U-71PE1E5</b>	<b>U-100PE1E5</b>	<b>U-125PE1E5</b>	<b>U-140PE1E5</b>	<b>U-71PE1E8</b>	<b>U-100PE1E8</b>	<b>U-125PE1E8</b>	<b>U-140PE1E8</b>
<b>Wired remote control</b>		<b>CZ-RTC2</b>	<b>CZ-RTC2</b>	<b>CZ-RTC2</b>	<b>CZ-RTC2</b>	<b>CZ-RTC2</b>	<b>CZ-RTC2</b>	<b>CZ-RTC2</b>	<b>CZ-RTC2</b>	<b>CZ-RTC2</b>	<b>CZ-RTC2</b>
<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 (3.2-8.0)	10.0 (3.3-12.5)	12.5 (3.3-14.0)	14.0 (3.3-15.5)
<b>EER1)</b>	Nom. (Min-Max) kW	3.70(5.58-2.80) <b>A</b>	3.90(4.72-3.55) <b>A</b>	3.84(4.72-3.02) <b>A</b>	4.10(3.93-3.38) <b>A</b>	3.50(3.93-3.04) <b>A</b>	3.25(3.93-2.58) <b>A</b>	3.84(5.0-3.02) <b>A</b>	4.10(3.93-3.38) <b>A</b>	3.50(3.93-3.04) <b>A</b>	3.25(3.93-2.58) <b>A</b>
<b>SEER</b>	W/W	5.7 <b>A+</b>	6.4 <b>A++</b>	6.4 <b>A++</b>	5.8 <b>A+</b>	—	—	6.0 <b>A+</b>	5.7 <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	1.350 (0.260-2.000)	1.540 (0.530-2.000)	1.850 (0.530-2.650)	2.440 (0.840-3.700)	3.570 (0.840-4.600)	4.310 (0.840-6.000)	1.850 (0.640-2.650)	2.440 (0.840-3.700)	3.570 (0.840-4.600)	4.310 (0.840-6.000)
<b>Annual Energy Consumption 2-a)</b>		675	770	925	1220	1785	2155	925	1220	1785	2155
<b>Annual Energy Consumption(ErP) 2-b)</b>		307	328	388	603	—	—	414	614	—	—
<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 (2.8-9.0)	11.2 (4.1-14.0)	14.0 (4.1-16.0)	16.0 (4.1-18.0)
<b>COP1)</b>	Nom. (Min-Max) W/W	3.73(6.82-2.71) <b>A</b>	3.87(4.17-3.23) <b>A</b>	3.85(4.17-3.10) <b>A</b>	4.31(4.56-3.18) <b>A</b>	4.02(4.56-3.08) <b>A</b>	3.60(4.56-3.05) <b>A</b>	3.85(4.83-3.10) <b>A</b>	4.31(4.56-3.18) <b>A</b>	4.02(4.56-3.08) <b>A</b>	3.60(4.56-3.05) <b>A</b>
<b>SCOP</b>	W/W	3.8 <b>A</b>	3.9 <b>A</b>	4.0 <b>A+</b>	3.8 <b>A</b>	—	—	3.9 <b>A</b>	3.8 <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	1.500 (0.220-2.400)	1.810 (0.480-2.480)	2.080 (0.480-2.900)	2.600 (0.90-4.400)	3.480 (0.900-5.200)	4.440 (0.900-5.900)	2.080 (0.580-2.900)	2.600 (0.90-4.400)	3.480 (0.900-5.200)	4.440 (0.90-5.900)
<b>Annual Energy Consumption (ErP) 2-b)</b>		1474	2154	2485	3684	—	—	2548	3684	—	—
<b>Indoor unit</b>											
<b>External static pressure<sup>3)</sup></b>	Nom. (Min-Max) Pa	70 (10-150)	70 (10-150)	70 (10-150)	100 (10-150)	100 (10-150)	100 (10-150)	70 (10-150)	100 (10-150)	100 (10-150)	100 (10-150)
<b>Air Volume</b>	Cool / Heat m <sup>3</sup> /h	960 / 960	1260 / 1260	1260 / 1260	1920 / 1920	2040 / 2040	2160 / 2160	1260 / 1260	1920 / 1920	2040 / 2040	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>	Cool (Hi/Me/Lo) dB(A)	34 / 30 / 26	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
	Heat (Hi/Me/Lo) dB(A)	34 / 30 / 26	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
<b>Sound power level</b>	Cool (Hi/Me/Lo) dB	56 / 52 / 48	57 / 54 / 48	57 / 54 / 48	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55	57 / 54 / 48	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55
	Heat (Hi/Me/Lo) dB	56 / 52 / 48	57 / 54 / 48	57 / 54 / 48	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55	57 / 54 / 48	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55
<b>Dimensions</b>	H x W x D mm	290 x 800 x 700	290 x 1000 x 700	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
<b>Net weight</b>	kg	28	33	33	45	45	45	33	45	45	45
<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</b>	Cool / Heat A	5.85 / 6.55	7.40 / 8.40	8.60 / 9.50	10.60 / 11.20	15.90 / 15.80	19.30 / 19.10	2.65 / 3.00	3.53 / 3.70	5.29 / 5.26	6.42 / 6.35
<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>4)</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	71	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>5)</sup></b>	Max m	30	30	30	30	30	30	30	30	30	30
<b>Piping length</b>	Min/Max m	5-40	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.

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. 4) The Sound pressure level of the units shows the value measured at 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) 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>

ELITE

**A class**  
energy saving

**6.4 A++**  
SEER

**4.0 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

5 year  
compressor  
warranty



SEER and SCOP: For KIT-71PF1E5