

WALL MOUNTED PACi STANDARD AND ELITE INVERTER+

New Wall Mounted PACi. The extension of the range to include a 10 kW unit allows for many more applications such as studios, gyms, high ceiling areas and even computer server rooms.

Technical Focus

- 10,0 kW capacity unit
- Flat face design for modern appearance
- Compact design offers over 15% reduction in overall size
- Washable front panel
- DC FAN for better efficiency and control
- Three directional piping outlet
- Easy connection and control of external fan or ERV using the connector PAW-FDC on the indoor unit PCB. The external device can be control by the remote control of the Panasonic indoor unit

STANDARD

			Single Phase		Three Phase	
			6,0 kW	7,1 kW	10,0 kW	10,0 kW
KIT			KIT-60PKY1E5A	KIT-71PKY1E5A	KIT-100PKY1E5A	KIT-100PKY1E8A
Indoor			S-60PK1E5A	S-71PK1E5A	S-100PK1E5A	S-100PK1E5A
Outdoor			U-60PEY1E5	U-71PEY1E5	U-100PEY1E5	U-100PEY1E8
Timer remote controller			CZ-RTC4	CZ-RTC4	CZ-RTC4	CZ-RTC4
Cooling capacity	Nominal (Min - Max)	kW	6,0 (2,0 - 7,0)	7,1 (2,0 - 7,7)	9,0 (2,7 - 9,7)	9,0 (2,7 - 9,7)
EER ¹⁾	Nominal (Min - Max)	W/W	3,23 (6,15 - 2,55) A	2,90 (6,15 - 2,57) C	2,67 (5,09 - 2,55) D	2,67 (5,09 - 2,55) D
SEER ²⁾		W/W	5,4 A	5,1 A	5,8 A	5,7 A
Pdesign		kW	6,0	7,1	9,0	9,0
Power input cooling	Nominal (Min - Max)	kW	1,860 (0,325 - 2,750)	2,450 (0,325 - 3,000)	3,370 (0,530 - 3,800)	3,370 (0,530 - 3,800)
Annual energy consumption (ErP) ³⁾		kWh/a	389	487	543	553
Heating capacity	Nominal (Min - Max)	kW	6,0 (1,8 - 7,0)	7,1 (1,8 - 8,1)	9,0 (2,1 - 10,5)	9,0 (2,1 - 10,5)
Heating capacity at -7°C ⁴⁾	Nominal	kW	4,99	5,08	9,97	9,97
Heating capacity at -15°C ⁴⁾	Nominal	kW	4,20	4,37	8,43	8,43
COP ¹⁾	Nominal (Min - Max)	W/W	4,00 (6,55 - 3,18) A	3,74 (6,55 - 3,18) A	3,70 (5,12 - 3,50) A	3,70 (5,12 - 3,50) A
SCOP ⁵⁾		W/W	3,9 A	3,9 A	3,8 A	3,8 A
Pdesign at -10°C		kW	6,0	6,0	9,0	9,0
Power input heating	Nominal (Min - Max)	kW	1,500 (0,275 - 2,200)	1,900 (0,275 - 2,550)	2,430 (0,410 - 3,000)	2,430 (0,410 - 3,000)
Annual energy consumption (ErP) ³⁾		kWh/a	2.154	2.154	3.316	3.316
Indoor unit						
Air volume	Cooling (Hi / Med / Lo)	m³/h	1.080 / 870 / 690	1.080 / 870 / 690	1.140 / 990 / 780	1.140 / 990 / 780
	Heating (Hi / Med / Lo)	m³/h	1.080 / 870 / 690	1.080 / 870 / 690	1.140 / 990 / 780	1.140 / 990 / 780
Moisture removal volume		l/h	3,4	4,2	5,4	5,4
Sound pressure level ⁶⁾	Cooling (Hi / Med / Lo)	dB(A)	47 / 44 / 40	47 / 44 / 40	49 / 45 / 41	49 / 45 / 41
	Heating (Hi / Med / Lo)	dB(A)	47 / 44 / 40	47 / 44 / 40	49 / 45 / 41	49 / 45 / 41
Sound power level	Cooling (Hi)	dB	64	64	65	65
	Heating (Hi)	dB	64	64	65	65
Dimensions / Net weight	H x W x D	mm / kg	300 x 1.065 x 230 / 14,5	300 x 1.065 x 230 / 14,5	300 x 1.065 x 230 / 14,5	300 x 1.065 x 230 / 14,5
Outdoor unit						
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415
Recommended fuse		A	20	20	25	16
Connection		mm²	2,5	2,5	4,0	2,5
Current	Cooling	A	8,80 / 8,50 / 8,25	11,7 / 11,3 / 10,9	16,0 / 15,3 / 14,6	5,40 / 5,15 / 4,95
	Heating	A	7,05 / 6,80 / 6,60	9,00 / 8,70 / 8,40	11,2 / 10,8 / 10,4	3,85 / 3,65 / 3,55
Air volume	Cooling / Heating	m³/h	1.800 / 2.100	2.340 / 2.340	4.560 / 4.020	4.560 / 4.020
Sound pressure level	Cooling / Heating (Hi)	dB(A)	46 / 50	50 / 52	54 / 54	54 / 54
Sound power level	Cooling / Heating (Hi)	dB	65 / 69	70 / 70	70 / 70	70 / 70
Dimensions / Net weight	H x W x D	mm / kg	569 x 790 x 285 / 42	569 x 790 x 285 / 42	996 x 940 x 340 / 73	996 x 940 x 340 / 73
Piping connections	Liquid pipe	Inch (mm)	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)
Refrigerant loading	R410A	kg	1,7	1,7	2,60	2,60
Elevation difference (in/out) ⁷⁾	Max	m	30	30	30	30
Piping length	Min / Max	m	5 / 50	5 / 50	5 / 50	5 / 50
Precharge length	Max	m	20	20	30	30
Additional charge		g/m	40	40	50	50
Operating range	Cooling Min / Max	°C	-10 / +43	-10 / +43	-10 / +43	-10 / +43
	Heating Min / Max	°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. Heating 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) SEER is calculated in base Eurovent IPLV for SBEM for U1 indoor unit SEER=a(EER25)+b(EER50)+c(EER75)+d(EER100) where EER25, EER50, EER75 and EER100 are the EER measured value at 25%, 50%, 75% and 100% part load for temperatures 20, 25, 30 and 35°C DB, respectively. a, b, c and d are values assigned for an office type. These values are given as a=0,2, b=0,36, c=0,32 and d=0,03. The internal temperatures are taken at 27°C DB and 19°C WB. 3) The annual consumption (ErP) is calculated by formula determined by ErP regulation. 4) Heating capacity is calculated including defrost factor correction. 5) SCOP is calculated in base Eurovent IPLV for SBEM with U1 indoor unit including defrost correction factor. 6) 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 m from the ground. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 7) When installing the outdoor unit at a higher position than the indoor unit. // Recommended fuse for the indoor 3A. // For detailed information about ErP, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu

STANDARD

Internet Control Ready

Energy saving

5,40 A SEER

3,90 A SCOP

Down to -10°C in cooling mode

Down to -15°C in heating mode

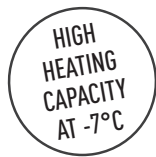
Easy control by BMS

Possible to use on R22 pipings

5 year compressor warranty

INTERNET CONTROL READY: Optional. SEER and SCOP: For KIT-60PKY1E5A.





Optional Controller
Wired remote controller
CZ-RTC5



Optional Controller
Timer remote controller
CZ-RTC4



Optional Controller
Wireless remote controller
CZ-RWSK2



Optional Controller
Simplified remote controller
CZ-RE2C2



Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

ELITE

			Single Phase				Three Phase	
			5,0 kW	6,0 kW	7,1 kW	10,0 kW	7,1 kW	10,0 kW
KIT			KIT-50PK1E5A	KIT-60PK1E5A	KIT-71PK1E5A	KIT-100PK1E5A	KIT-71PK1E8A	KIT-100PK1E8A
Indoor			S-50PK1E5A	S-60PK1E5A	S-71PK1E5A	S-100PK1E5A	S-71PK1E5A	S-100PK1E5A
Outdoor			U-50PE1E5	U-60PE1E5A	U-71PE1E5A	U-100PE1E5A	U-71PE1E8A	U-100PE1E8A
Timer remote controller			CZ-RTC4	CZ-RTC4	CZ-RTC4	CZ-RTC4	CZ-RTC4	CZ-RTC4
Cooling capacity	Nominal (Min - Max)	kW	5,0 (1,5 - 5,6)	6,0 (2,5 - 7,1)	7,1 (2,5 - 8,0)	9,5 (3,3 - 10,5)	7,1 (3,2 - 8,0)	9,5 (3,3 - 10,5)
EER ¹⁾	Nominal (Min - Max)	W/W	3,21 (5,77 - 2,49) A	3,85 (5,56 - 3,55) A	3,40 (5,56 - 3,02) A	3,25 (3,93 - 3,09) A	3,40 (5,71 - 3,02) A	3,25 (3,93 - 3,09) A
SEER ²⁾		W/W	6,0 A++	6,6 A++	6,6 A++	6,2 A++	6,1 A++	6,0 A++
Pdesign		kW	5,0	6,0	7,1	9,5	7,1	9,5
Power input cooling	Nominal (Min - Max)	kW	1,560 (0,260 - 2,250)	1,560 (0,450 - 2,000)	2,090 (0,450 - 2,650)	2,920 (0,840 - 3,400)	2,090 (0,560 - 2,650)	2,920 (0,840 - 3,400)
Annual energy consumption (ErP) ³⁾		kWh/a	292	318	376	536	407	554
Heating capacity	Nominal (Min - Max)	kW	5,6 (1,5 - 6,5)	7,0 (2,0 - 8,0)	8,0 (2,0 - 9,0)	9,5 (4,1 - 11,5)	8,0 (2,8 - 9,0)	9,5 (4,1 - 11,5)
Heating capacity at -7°C ⁴⁾	Nominal	kW	4,20	6,69	7,52	12,04	7,52	12,04
Heating capacity at -15°C ⁴⁾	Nominal	kW	3,58	6,56	7,65	11,20	7,65	11,20
COP ¹⁾	Nominal (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	3,85 (4,56 - 3,43) A	3,76 (5,60 - 3,10) A	3,85 (4,56 - 3,43) A
SCOP ⁵⁾		W/W	3,9 A	3,9 A	3,9 A	3,8 A	3,8 A	3,8 A
Pdesign at -10°C		kW	4,0	6,0	7,1	9,5	7,1	9,5
Power input heating	Nominal (Min - Max)	kW	1,500 (0,220 - 2,450)	1,820 (0,400 - 2,480)	2,130 (0,400 - 2,900)	2,470 (0,900 - 3,350)	2,130 (0,500 - 2,900)	2,470 (0,900 - 3,350)
Annual energy consumption (ErP) ³⁾		kWh/a	1.436	2.154	2.548	3.500	2.616	3.500
Indoor unit								
Air volume	Cooling (Hi / Med / Lo)	m³/h	840 / 720 / 630	1.080 / 870 / 690	1.080 / 870 / 690	1.140 / 990 / 780	1.080 / 870 / 690	1.140 / 990 / 780
	Heating (Hi / Med / Lo)	m³/h	840 / 720 / 630	1.080 / 870 / 690	1.080 / 870 / 690	1.140 / 990 / 780	1.080 / 870 / 690	1.140 / 990 / 780
Moisture removal volume		l/h	2,8	3,4	4,2	5,7	4,2	5,7
Sound pressure level ⁶⁾	Cooling (Hi / Med / Lo)	dB(A)	40 / 36 / 32	47 / 44 / 40	47 / 44 / 40	49/45/41	47 / 44 / 40	49/45/41
	Heating (Hi / Med / Lo)	dB(A)	40 / 36 / 32	47 / 44 / 40	47 / 44 / 40	49/45/41	47 / 44 / 40	49/45/41
Sound power level	Cooling (Hi)	dB	57	64	64	65	64	65
	Heating (Hi)	dB	57	64	64	65	64	65
Dimensions / Net weight	H x W x D	mm / kg	300 x 1.065 x 230 / 13,0	300 x 1.065 x 230 / 14,5	300 x 1.065 x 230 / 14,5	300 x 1.065 x 230 / 14,5	300 x 1.065 x 230 / 14,5	300 x 1.065 x 230 / 14,5
Outdoor unit								
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	16	20	20	25	16	16
Connection		mm²	2,5	2,5	2,5	4	2,5	2,5
Current	Cooling	A	7,25 / 7,00 / 6,80	7,45 / 7,15 / 6,95	9,75 / 9,40 / 9,10	13,4 / 12,9 / 12,4	3,25 / 3,15 / 3,05	4,60 / 4,40 / 4,30
	Heating	A	6,95 / 6,75 / 6,50	8,45 / 8,15 / 7,90	9,85 / 9,50 / 9,20	11,3 / 10,9 / 10,6	3,30 / 3,20 / 3,10	3,85 / 3,70 / 3,60
Air volume	Cooling / Heating	m³/h	1.800 / 2.100	3.600 / 3.600	3.600 / 3.600	6.600 / 5.700	3.600 / 3.600	6.600 / 5.700
Sound pressure level	Cooling / Heating (Hi)	dB(A)	46 / 50	48 / 50	48 / 50	52 / 52	48 / 50	52 / 52
Sound power level	Cooling / Heating (Hi)	dB	65 / 69	65 / 67	65 / 67	69 / 69	65 / 67	69 / 69
Dimensions / Net weight	H x W x D	mm / kg	569 x 790 x 285 / 42	996 x 940 x 340 / 68	996 x 940 x 340 / 69	1.416 x 940 x 340 / 98	996 x 940 x 340 / 71	1.416 x 940 x 340 / 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)
	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)
Refrigerant loading	R410A	kg	1,65	2	2,35	3,4	2,35	3,4
Elevation difference (in/out) ⁷⁾	Max	m	30	30	30	30	30	30
Piping length	Min / Max	m	5 / 40	5 / 50	5 / 50	5 / 75	5 / 50	5 / 75
Precharge length	Max	m	30	30	30	30	30	30
Additional charge		g/m	20	50	50	50	50	50
Operating range	Cooling Min / Max	°C	-15 / +46	-15 / +46	-15 / +46	-15 / +46	-15 / +46	-15 / +46
	Heating Min / Max	°C	-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. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb). // Specifications subject to change without notice.

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ELITE



U-50PE1E5



U-60PE1E5A
U-71PE1E5A
U-100PE1E8A

INTERNET CONTROL READY: Optional. SEER and SCOP: For KIT-60PK1E5A and KIT-71PK1E5A.