

4 WAY 90x90 CASSETTE PACi STANDARD AND ELITE INVERTER+

The 4 Way 90x90 Cassette incorporates many new benefits thanks to advances in design and technology.

Technical focus

- Circle Flow Flap for more even temperature distribution
- Higher efficiency split fin
- Highly efficient and silent turbo fan
- Individual flap control for flexible air flow direction
- Easy to clean suction grill & flap
- Special adjustment for high ceiling application
- DC FAN for better efficiency and control
- 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	12.5 kW	10.0 kW	12.5 kW	14.0 kW
KIT			KIT-60PUY1E5-C4	KIT-71PUY1E5-C4	KIT-100PUY1E5-C4	KIT-125PUY1E5-C4	KIT-100PUY1E8-C4	KIT-125PUY1E8-C4	KIT-140PUY1E8-C4
Indoor			S-60PU1E5A	S-71PU1E5A	S-100PU1E5A	S-125PU1E5A	S-100PU1E5A	S-125PU1E5A	S-140PU1E5A
Outdoor			U-60PEY1E5	U-71PEY1E5	U-100PEY1E5	U-125PEY1E5	U-100PEY1E8	U-125PEY1E8	U-140PEY1E8
Panel			CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21
Timer remote controller			CZ-RTC4	CZ-RTC4	CZ-RTC4	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)	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)
EER ¹⁾	Nominal (Min - Max)	W/W	3.55 (6.15 - 2.80) A	3.24 (6.15 - 2.75) A	3.11 (5.09 - 2.74) B	3.11 (4.22 - 2.70) B	3.11 (5.09 - 2.74) B	3.11 (4.22 - 2.70) B	3.21 (3.93 - 2.58) A
SEER ²⁾	Nominal (Min - Max)	W/W	6.8 A++	6.3 A++	6.4 A++	—	6.2 A++	—	—
Pdesign		kW	6.0	7.1	10	—	10.0	—	—
Power input cooling	Nominal (Min - Max)	kW	1.690 (0.325 - 2.500)	2.190 (0.325 - 2.800)	3.220 (0.530 - 4.200)	4.020 (0.900 - 5.000)	3.220 (0.530 - 4.200)	4.020 (0.900 - 5.000)	4.36 (0.84 - 6.00)
Annual energy consumption (ErP) ³⁾		kWh/a	309	394	547	—	564	—	—
Heating capacity	Nominal (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)
Heating capacity at -7°C ⁴⁾	Nominal	kW	4.99	5.08	9.97	10.97	9.97	10.97	13.35
Heating capacity at -15°C ⁴⁾	Nominal	kW	4.20	4.37	8.43	9.03	8.43	9.03	12.38
COP ¹⁾	Nominal (Min - Max)	W/W	4.05 (6.55 - 3.25) A	3.78 (6.55 - 3.23) A	3.80 (5.12 - 3.45) A	3.80 (4.66 - 3.41) A	3.80 (5.12 - 3.45) A	3.80 (4.66 - 3.41) A	3.89 (4.56 - 3.08) A
SCOP ⁵⁾	Nominal (Min - Max)	W/W	—	4.0 A+	—	—	4.0 A+	—	—
Pdesign at -10°C		kW	6.0	6.0	10.0	—	10.0	—	—
Power input heating	Nominal (Min - Max)	kW	1.480 (0.275 - 2.155)	1.880 (0.275 - 2.510)	2.630 (0.410 - 4.000)	3.290 (0.730 - 4.400)	2.630 (0.410 - 4.000)	3.290 (0.730 - 4.400)	3.60 (0.90 - 5.20)
Annual energy consumption (ErP) ³⁾		kWh/a	2,100	2,100	3,500	—	3,500	—	—
Indoor unit									
Air volume	Cooling (Hi / Med / Lo)	m³/h	1,260 / 1,020 / 840	1,320 / 1,020 / 840	1,980 / 1,620 / 1,260	2,100 / 1,680 / 1,320	1,980 / 1,620 / 1,260	2,100 / 1,680 / 1,320	2,160 / 1,740 / 1,380
	Heating (Hi / Med / Lo)	m³/h	1,260 / 1,020 / 840	1,320 / 1,020 / 840	1,980 / 1,620 / 1,260	2,100 / 1,680 / 1,320	1,980 / 1,620 / 1,260	2,100 / 1,680 / 1,320	2,160 / 1,740 / 1,380
Moisture removal volume		l/h	3.4	4.2	6.0	7.9	6.0	7.9	9.0
Sound pressure level ⁴⁾	Cooling (Hi / Med / Lo)	dB(A)	36 / 31 / 28	37 / 31 / 28	44 / 38 / 32	45 / 39 / 33	44 / 38 / 32	45 / 39 / 33	46 / 40 / 34
	Heating (Hi / Med / Lo)	dB(A)	36 / 31 / 28	37 / 31 / 28	44 / 38 / 32	45 / 39 / 33	44 / 38 / 32	45 / 39 / 33	46 / 40 / 34
Sound power level	Cooling (Hi / Med / Lo)	dB	53 / 48 / 45	54 / 48 / 45	62 / 55 / 49	63 / 56 / 50	62 / 55 / 49	63 / 56 / 50	64 / 57 / 51
	Heating (Hi / Med / Lo)	dB	53 / 48 / 45	54 / 48 / 45	62 / 55 / 49	63 / 56 / 50	62 / 55 / 49	63 / 56 / 50	64 / 57 / 51
Dimensions (H x W x D)	Indoor	mm	256 x 840 x 840			319 x 840 x 840			
	Panel	mm							
Net weight	Indoor (Panel)	kg	24 (4)			27 (4)			
Outdoor unit									
Power source		V	220 / 230 / 240				380 / 400 / 415		
Recommended fuse		A	20	20	25	30	16	16	16
Connection		mm²	2.5	2.5	4	6	2.5	2.5	2.5
Current	Cooling	A	8.30 / 7.90 / 7.60	10.70 / 10.30 / 9.80	15.10 / 14.40 / 13.80	19.2 / 18.4 / 17.6	5.10 / 4.85 / 4.70	6.35 / 6.05 / 5.80	6.85 / 6.50 / 6.25
	Heating	A	7.20 / 6.90 / 6.60	9.10 / 8.70 / 8.30	12.00 / 11.60 / 11.20	15.4 / 14.8 / 14.2	4.15 / 3.95 / 3.80	5.15 / 4.90 / 4.70	5.65 / 5.35 / 5.20
Air volume	Cooling / Heating	m³/h	1,800 / 2,100	2,340	4,560 / 4,020	4,800 / 4,380	4,560 / 4,020	4,800 / 4,380	8,100 / 7,200
Sound pressure level	Cooling / Heating (Hi)	dB(A)	46 / 50	50 / 52	54 / 54	56 / 56	54 / 54	56 / 56	54 / 53
Sound power level	Cooling / Heating (Hi)	dB	65 / 69	70 / 70	70 / 70	73 / 73	70 / 70	73 / 73	71 / 70
Dimensions	H x W x D	mm	569 x 790 x 285			996 x 940 x 340			1,416 x 940 x 340
Net weight		kg	42	42	73	85	73	85	98
Piping connections	Liquid pipe / Gas pipe	Inch	3/8 / 5/8						
Refrigerant loading	R410A	kg	1.7	1.7	2.60	3.20	2.60	3.20	3.4
Piping length range / Elevation difference (in/out) ²⁾		m	5 - 50 / 30						
Pipe length for additional gas / Additional gas amount		m / g/m	20 / 40			30 / 50			
Operating range	Cooling Min / Max	°C	-10 / +43						
	Heating Min / Max	°C	-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

Standard

Elite



SEER and SCOP: For KIT-60PUY1E5A.

SEER and SCOP: For KIT-60PUY1E5A and KIT-71PUY1E5A.

INTERNET CONTROL: Optional.

**HIGH
HEATING
CAPACITY
AT -7°C**



Panel
CZ-KPU21



Optional Controller
Wired remote controller
CZ-RTC5



Optional Controller
Timer remote controller
CZ-RTC4



Optional Controller
Wireless remote controller
CZ-RWSU2N



Optional Controller
Simplified remote controller
CZ-RE2C2



**360°
air flow**

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	12.5 kW	14.0 kW	7.1 kW	10.0 kW	12.5 kW	14.0 kW
KIT-50PU1E5-C4	KIT-60PU1E5-C4	KIT-71PU1E5-C4	KIT-100PU1E5-C4	KIT-125PU1E5-C4	KIT-140PU1E5-C4	KIT-71PU1E8-C4	KIT-100PU1E8-C4	KIT-125PU1E8-C4	KIT-140PU1E8-C4
S-50PU1E5A	S-60PU1E5A	S-71PU1E5A	S-100PU1E5A	S-125PU1E5A	S-140PU1E5A	S-71PU1E8A	S-100PU1E8A	S-125PU1E8A	S-140PU1E8A
U-50PE1E5	U-60PE1E5A	U-71PE1E5A	U-100PE1E5A	U-125PE1E5A	U-140PE1E5A	U-71PE1E8A	U-100PE1E8A	U-125PE1E8A	U-140PE1E8A
CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21	CZ-KPU21
CZ-RTC4	CZ-RTC4	CZ-RTC4	CZ-RTC4	CZ-RTC4	CZ-RTC4	CZ-RTC4	CZ-RTC4	CZ-RTC4	CZ-RTC4
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)
3.70 (5.77 - 2.80) A	4.05 (5.56 - 3.55) A	3.94 (5.56 - 3.02) A	4.20 (3.93 - 3.38) A	3.60 (3.93 - 3.04) A	3.25 (3.93 - 2.58) A	3.94 (5.56 - 3.02) A	4.20 (3.93 - 3.38) A	3.60 (3.93 - 3.04) A	3.25 (3.93 - 2.58) A
6.5 A++	7.4 A++	6.6 A++	—	—	—	6.8 A++	6.5 A++	—	—
5.0	6.0	7.1	10.0	—	—	7.1	10.0	—	—
1.350 (0.260 - 2.000)	1.480 (0.450 - 2.000)	1.800 (0.450 - 2.650)	2.380 (0.840 - 3.700)	3.470 (0.840 - 4.600)	4.310 (0.840 - 6.000)	1.800 (0.560 - 2.650)	2.380 (0.840 - 3.700)	3.470 (0.840 - 4.600)	4.310 (0.840 - 6.000)
269	284	336	530	—	—	365	538	—	—
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)
4.20	6.69	7.52	12.04	13.48	14.24	7.52	12.04	13.48	14.24
3.58	6.56	7.65	11.20	12.38	12.69	7.65	11.20	12.38	12.69
3.92 (6.82 - 2.83) A	3.87 (5.00 - 3.23) A	4.00 (5.00 - 3.10) A	4.31 (4.56 - 3.18) A	4.00 (4.56 - 3.08) A	3.70 (4.56 - 3.05) A	4.00 (5.60 - 3.10) A	4.31 (4.56 - 3.18) A	4.00 (4.56 - 3.08) A	3.70 (4.56 - 3.05) A
3.8 A	4.1 A+	4.2 A+	—	—	—	4.0 A+	4.2 A+	—	—
4.0	6.0	7.1	10.0	—	—	7.1	10.0	—	—
1.430 (0.220 - 2.300)	1.810 (0.400 - 2.480)	2.000 (0.400 - 2.900)	2.600 (0.900 - 4.400)	3.500 (0.900 - 5.200)	4.330 (0.900 - 5.900)	2.000 (0.500 - 2.900)	2.600 (0.900 - 4.400)	3.500 (0.900 - 5.200)	4.330 (0.900 - 5.900)
1,474	2,047	2,424	3,333	—	—	2,485	3,333	—	—
960 / 810 / 720	1,260 / 1,020 / 840	1,320 / 1,020 / 840	1,980 / 1,620 / 1,260	2,100 / 1,680 / 1,320	2,160 / 1,740 / 1,380	1,320 / 1,020 / 840	1,980 / 1,620 / 1,260	2,100 / 1,680 / 1,320	2,160 / 1,740 / 1,380
960 / 810 / 720	1,260 / 1,020 / 840	1,320 / 1,020 / 840	1,980 / 1,620 / 1,260	2,100 / 1,680 / 1,320	2,160 / 1,740 / 1,380	1,320 / 1,020 / 840	1,980 / 1,620 / 1,260	2,100 / 1,680 / 1,320	2,160 / 1,740 / 1,380
2.8	3.4	4.2	6.0	7.9	9.0	4.2	6.0	7.9	9.0
32 / 29 / 27	36 / 31 / 28	37 / 31 / 28	44 / 38 / 32	45 / 39 / 33	46 / 40 / 34	37 / 31 / 28	44 / 38 / 32	45 / 39 / 33	46 / 40 / 34
32 / 29 / 27	36 / 31 / 28	37 / 31 / 28	44 / 38 / 32	45 / 39 / 33	46 / 40 / 34	37 / 31 / 28	44 / 38 / 32	45 / 39 / 33	46 / 40 / 34
49 / 46 / 44	53 / 48 / 45	54 / 48 / 45	62 / 55 / 49	63 / 56 / 50	64 / 57 / 51	54 / 48 / 45	62 / 55 / 49	63 / 56 / 50	64 / 57 / 51
49 / 46 / 44	53 / 48 / 45	54 / 48 / 45	62 / 55 / 49	63 / 56 / 50	64 / 57 / 51	54 / 48 / 45	62 / 55 / 49	63 / 56 / 50	64 / 57 / 51
256 x 840 x 840	—	—	—	319 x 840 x 840	—	256 x 840 x 840	—	319 x 840 x 840	—
33.5 x 950 x 950						—			
23 (4)	24 (4)	—	—	27 (4)	—	24 (4)	—	27 (4)	—
220 / 230 / 240						380 / 400 / 415			
16	20	20	25	30	16	16	16	16	16
2.5	2.5	2.5	4	6	2.5	2.5	2.5	2.5	2.5
6.50 / 6.20 / 5.95	7.15 / 6.90 / 6.70	8.40 / 8.10 / 7.90	10.7 / 10.3 / 9.90	15.8 / 15.3 / 14.8	19.6 / 19.0 / 18.4	2.80 / 2.70 / 2.60	3.70 / 3.50 / 3.40	5.45 / 5.15 / 5.00	6.75 / 6.45 / 6.20
6.90 / 6.60 / 6.30	8.50 / 8.20 / 7.95	9.30 / 9.00 / 8.70	11.8 / 11.4 / 11.0	15.9 / 15.4 / 14.9	19.8 / 19.2 / 18.6	3.10 / 3.00 / 2.90	4.05 / 3.85 / 3.75	5.50 / 5.20 / 5.05	6.85 / 6.50 / 6.25
1,800 / 2,100	3,600 / 3,600	3,600 / 3,600	6,600 / 5,700	7,800 / 6,600	8,100 / 7,200	3,600 / 3,600	6,600 / 5,700	7,800 / 6,600	8,100 / 7,200
46 / 50	48 / 50	48 / 50	52 / 52	53 / 53	54 / 55	48 / 50	52 / 52	53 / 53	54 / 55
65 / 69	65 / 67	65 / 67	69 / 69	70 / 70	71 / 71	65 / 67	69 / 69	70 / 70	71 / 71
569 x 790 x 285	996 x 940 x 340	—	—	1,416 x 940 x 340	—	996 x 940 x 340	—	1,416 x 940 x 340	—
42	68	69	—	98	—	71	—	98	—
1/4 / 1/2	—	—	—	—	3/8 / 5/8	—	—	—	—
1.65	2	2.35	—	3.4	—	2.35	—	3.4	—
5 - 40 / 30	5 - 50 / 30	—	—	5 - 75 / 30	—	5 - 50 / 30	—	5 - 75 / 30	—
30 / 50						—			
-15 / +46						—			
-20 / +24						—			

indoor unit including defrost correction factor. 6) 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 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.co.uk or www.ptc.panasonic.eu

Accessories



PAW-GROBSE20
Outdoor base ground support
for noise and vibration
absorption (600 x 95 x 130
mm, 500 kg)



PAW-PACR3
Interfaces to run 3 units on
Backup and alternative run.



U-60PE1E5
U-71PE1E5
U-50PE1E5



U-100PE1E5
U-125PE1E5
U-100PE1E8
U-125PE1E8



U-60PE1E5A
U-71PE1E5A
U-100PE1E5A
U-125PE1E5A
U-140PE1E5A
U-140PE1E8A
U-140PE1E8A