

CEILING PACi STANDARD AND ELITE INVERTER+

This 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. A knock out is provided to allow for supplementary fresh air for improved air quality.

Technical Focus

- Fresh air connection possible (Outside intake duct connection port of 100mm diameter is available on the unit)
- All units just 235 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
- 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-60PTY2E5A	KIT-71PTY2E5A	KIT-100PTY2E5A	KIT-125PTY2E5A	KIT-100PTY2E8A	KIT-125PTY2E8A	KIP-140PTY2E8A	
Indoor			S-60PT2E5A	S-71PT2E5A	S-100PT2E5A	S-125PT2E5A	S-100PT2E5A	S-125PT2E5A	S-140PT2E5A	
Outdoor			U-60PEY1E5	U-71PEY1E5	U-100PEY1E5	U-125PEY1E5	U-100PEY1E8	U-125PEY1E8	U-140PEY1E8	
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 (2,2 - 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 - 15,0)	
EER ¹⁾	Nominal (Min - Max)	W/W	3,61 (6,15 - 2,80) A	3,21 (6,15 - 2,73) A	3,01(5,09 - 2,65) B	3,01 (4,22 - 2,62) B	3,01 (5,09 - 2,65) B	3,01 (4,22 - 2,62) B	2,98 (3,93 - 2,63) C	
SEER ²⁾	Nominal (Min - Max)	W/W	6,7 A++	6,1 A++	6,1 A++	—	6,0 A++	—	—	
Pdesign		kW	6,0	7,1	10,0	—	10,0	—	—	
Power input cooling	Nominal (Min - Max)	kW	1,660 (0,325 - 2,500)	2,210 (0,325 - 2,820)	3,320 (0,530 - 4,340)	4,150 (0,900 - 5,160)	3,320 (0,530 - 4,340)	4,150 (0,900 - 5,160)	4,700 (0,840 - 5,700)	
Annual energy consumption (ErP) ³⁾		kWh/a	314	408	574	—	584	—	—	
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	4,20 A (6,55 - 3,25)	3,90 (6,55 - 3,23) A	3,85 (5,12 - 3,45) A	3,85 (4,66 - 3,41) A	3,85 (5,12 - 3,45) A	3,85 (4,66 - 3,41) A	3,88 (4,56 - 3,07) A	
SCOP ⁵⁾	Nominal (Min - Max)	W/W	4,0 A++	4,0 A++	3,9 A++	3,40 ⁴⁾	3,9 A++	3,40 ⁴⁾	3,52 ⁴⁾	
Pdesign at -10°C		kW	6,0	6,0	10,0	—	10,0	—	—	
Power input heating	Nominal (Min - Max)	kW	1,430 (0,275 - 2,155)	1,820 (0,275 - 2,510)	2,600 (0,410 - 4,000)	3,250 (0,730 - 4,400)	2,600 (0,410 - 4,000)	3,250 (0,730 - 4,400)	3,610 (0,900 - 5,210)	
Annual energy consumption (ErP) ³⁾		kWh/a	2.100	2.100	3.590	—	3.590	—	—	
Indoor unit										
Air volume	Cooling (Hi / Med / Lo)	m³/h	1.200 / 1.020 / 870	1.260 / 1.080 / 930	1.800 / 1.500 / 1.380	2.040 / 1.680 / 1.440	1.800 / 1.500 / 1.380	2.040 / 1.680 / 1.440	2.100 / 1.740 / 1.500	
	Heating (Hi / Med / Lo)	m³/h	1.200 / 1.020 / 870	1.260 / 1.080 / 930	1.800 / 1.500 / 1.380	2.040 / 1.680 / 1.440	1.800 / 1.500 / 1.380	2.040 / 1.680 / 1.440	2.100 / 1.740 / 1.500	
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)	38 / 34 / 30	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37	
	Heating (Hi / Med / Lo)	dB(A)	38 / 34 / 30	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37	
Sound power level	Cooling (Hi / Med / Lo)	dB	56 / 52 / 48	57 / 53 / 49	60 / 55 / 53	64 / 58 / 54	60 / 55 / 53	64 / 58 / 54	65 / 59 / 55	
	Heating (Hi / Med / Lo)	dB	56 / 52 / 48	57 / 53 / 49	60 / 55 / 53	64 / 58 / 54	60 / 55 / 53	64 / 58 / 54	65 / 59 / 55	
Dimensions	H x W x D	mm	235 x 1.275 x 690	235 x 1.275 x 690	235 x 1.590 x 690	235 x 1.590 x 690	235 x 1.590 x 690	235 x 1.590 x 690	235 x 1.590 x 690	
Net weight		kg	33	33	40	40	40	40	40	
Outdoor unit										
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415	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	8,05 / 7,70 / 7,40	10,8 / 10,3 / 9,85	15,6 / 15,0 / 14,4	19,7 / 18,9 / 18,1	5,30 / 5,05 / 4,85	6,50 / 6,20 / 6,00	7,40 / 7,00 / 6,80	
	Heating	A	6,90 / 6,60 / 6,30	8,75 / 8,35 / 8,00	11,9 / 11,5 / 11,1	15,2 / 14,6 / 13,9	4,10 / 3,90 / 3,75	5,10 / 4,80 / 4,65	5,65 / 5,35 / 5,15	
Air volume		m³/h	1.800 / 2.100	2.340 / 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		dB(A)	46 / 50	50 / 52	54 / 54	56 / 56	54 / 54	56 / 56	54 / 53	
Sound power level		dB	65 / 69	70 / 70	70 / 70	73 / 73	70 / 70	73 / 73	71 / 70	
Dimensions		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	1.416 x 940 x 340	
Net weight		kg	42	42	73	85	73	85	98	
Piping connections	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)	
Refrigerant loading		kg	1,70	1,70	2,60	3,20	2,60	3,20	3,40	
Elevation difference (in/out) ⁷⁾		m	30	30	30	30	30	30	30	
Piping length		m	5 / 50	5 / 50	5 / 50	5 / 50	5 / 50	5 / 50	5 / 50	
Precharge length		m	20	20	30	30	30	30	30	
Additional charge		g/m	40	40	50	50	50	50	50	
Operating range	Cooling Min / Max	°C	-10 / +43	-10 / +43	-10 / +43	-10 / +43	-10 / +43	-10 / +43	-10 / +43	
	Heating 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. 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

Internet Control Ready

Energy saving

6,10 A++ SEER

3,90 A SCOP

Down to -10°C in cooling mode

Down to -15°C in heating mode

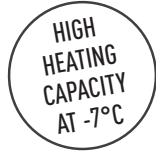
Easy control by BMS

Possible to use on R22 pipings

5 year compressor warranty



INTERNET CONTROL READY: Optional. SEER and SCOP: For KIT-100PTY2E5A.



Optional Controller
Wired remote controller
CZ-RTC5



Optional Controller
Timer remote controller
CZ-RTC4



Optional Controller
Wireless remote controller
CZ-RWST3



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	12,5 kW	14,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW
KIT-50PT2E5A	KIT-60PT2E5A	KIT-71PT2E5A	KIT-100PT2E5A	KIT-125PT2E5A	KIT-140PT2E5A	KIT-71PT2E8A	KIT-100PT2E8A	KIT-125PT2E8A	KIT-140PT2E8A
S-50PT2E5A	S-60PT2E5A	S-71PT2E5A	S-100PT2E5A	S-125PT2E5A	S-140PT2E5A	S-71PT2E5A	S-100PT2E5A	S-125PT2E5A	S-140PT2E5A
U-50PE1E5	U-60PE1E5A	U-71PE1E5A	U-100PE1E5A	U-125PE1E5A	U-140PE1E5A	U-71PE1E8A	U-100PE1E8A	U-125PE1E8A	U-140PE1E8A
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 - 15,0)	7,1 (2,5 - 8,0)	10,0 (3,3 - 12,5)	12,5 (3,3 - 14,0)	14,0 (3,3 - 15,0)
3,62 (5,77 - 2,73) A	4,03 (5,56 - 3,53) A	3,68 (5,56 - 2,88) A	3,95 (3,93 - 3,25) A	3,35 (3,93 - 2,88) A	3,01 (3,93 - 2,65) B	3,68 (5,56 - 2,88) A	3,95 (3,93 - 3,25) A	3,35 (3,93 - 2,88) A	3,01 (3,93 - 2,65) B
6,4 A++	6,8 A++	6,2 A++	6,7 A++	—	—	5,9 A+	6,6 A++	—	—
5,0	6,0	7,1	10,0	—	—	7,1	10,0	—	—
1,380 (0,260 - 2,050)	1,490 (0,450 - 2,010)	1,930 (0,450 - 2,780)	2,530 (0,840 - 3,850)	3,730 (0,840 - 4,860)	4,650 (0,840 - 5,650)	1,930 (0,450 - 2,780)	2,530 (0,840 - 3,850)	3,730 (0,840 - 4,860)	4,650 (0,840 - 5,650)
273	309	965	523	—	—	421	531	—	—
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)
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
3,97 (6,82 - 2,83) A	4,02 (5,00 - 3,23) A	4,15 (5,00 - 3,10) A	4,31 (4,56 - 3,18) A	3,99 (4,56 - 3,07) A	3,67 (4,56 - 3,04) A	4,15 (5,00 - 3,10) A	4,31 (4,56 - 3,18) A	3,99 (4,56 - 3,07) A	3,67 (4,56 - 3,04) A
4,0 A+	4,1 A+	4,0 A+	4,3 A+	3,63 ⁴⁾	3,41 ⁴⁾	4,0 A+	4,3 A+	3,63 ⁴⁾	3,41 ⁴⁾
4,0	6,0	7,1	10,0	—	—	7,1	10,0	—	—
1,410 (0,220 - 2,300)	1,740 (0,400 - 2,480)	1,930 (0,400 - 2,900)	2,600 (0,900 - 4,400)	3,510 (0,900 - 5,210)	4,360 (0,900 - 5,930)	1,930 (0,400 - 2,900)	2,600 (0,900 - 4,400)	3,510 (0,900 - 5,210)	4,360 (0,900 - 5,930)
1.400	2.049	2.485	3.256	—	—	2.485	3.256	—	—
900 / 750 / 630	1.200 / 1.020 / 870	1.260 / 1.080 / 930	1.800 / 1.500 / 1.380	2.040 / 1.680 / 1.440	2.100 / 1.740 / 1.500	1.260 / 1.080 / 930	1.800 / 1.500 / 1.380	2.040 / 1.680 / 1.440	2.100 / 1.740 / 1.500
900 / 750 / 630	1.200 / 1.020 / 870	1.260 / 1.080 / 930	1.800 / 1.500 / 1.380	2.040 / 1.680 / 1.440	2.100 / 1.740 / 1.500	1.260 / 1.080 / 930	1.800 / 1.500 / 1.380	2.040 / 1.680 / 1.440	2.100 / 1.740 / 1.500
2,8	3,4	4,2	6,0	7,9	9,0	4,2	6,0	7,9	9,0
37 / 33 / 29	38 / 34 / 30	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37
37 / 33 / 29	38 / 34 / 30	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37
55 / 51 / 47	56 / 52 / 48	57 / 53 / 49	60 / 55 / 53	64 / 58 / 54	65 / 59 / 55	57 / 53 / 49	60 / 55 / 53	64 / 58 / 54	65 / 59 / 55
55 / 51 / 47	56 / 52 / 48	57 / 53 / 49	60 / 55 / 53	64 / 58 / 54	65 / 59 / 55	57 / 53 / 49	60 / 55 / 53	64 / 58 / 54	65 / 59 / 55
235 x 960 x 690	235 x 1.275 x 690	235 x 1.275 x 690	235 x 1.590 x 690	235 x 1.590 x 690	235 x 1.590 x 690	235 x 1.275 x 690	235 x 1.590 x 690	235 x 1.590 x 690	235 x 1.590 x 690
27	33	33	40	40	40	33	40	40	40
220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	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
6,55 / 6,25 / 6,00	7,15 / 6,90 / 6,70	9,00 / 8,70 / 8,40	11,5 / 11,1 / 10,6	17,0 / 16,4 / 15,8	21,2 / 20,5 / 19,8	3,00 / 2,90 / 2,80	3,95 / 3,75 / 3,65	5,85 / 5,55 / 5,35	7,30 / 6,95 / 6,70
6,70 / 6,40 / 6,15	8,10 / 7,80 / 7,60	8,90 / 8,60 / 8,30	11,8 / 11,4 / 11,0	16,0 / 15,4 / 14,9	19,8 / 19,2 / 18,5	3,00 / 2,90 / 2,80	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	996 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	996 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340
42	68	69	98	98	98	71	98	98	98
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)
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)
1,65	2,00	2,35	3,40	3,40	3,40	2,35	3,40	3,40	3,40
30	30	30	30	30	30	30	30	30	30
5 / 40	5 / 50	5 / 50	5 / 75	5 / 75	5 / 75	5 / 50	5 / 75	5 / 75	5 / 75
30	30	30	30	30	30	30	30	30	30
20	50	50	50	50	50	50	50	50	50
-15 / +46	-15 / +46	-15 / +46	-15 / +46	-15 / +46	-15 / +46	-15 / +46	-15 / +46	-15 / +46	-15 / +46
-20 / +24	-20 / +24	-20 / +24	-20 / +24	-20 / +24	-20 / +24	-20 / +24	-20 / +24	-20 / +24	-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.eu or www.ptc.panasonic.eu

ELITE



U-50PE1E5



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



U-100PE1E5A
U-125PE1E5A
U-140PE1E5A
U-140PE1E8A

INTERNET CONTROL READY: Optional. SEER and SCOP: For KIT-60PT2E5A.