

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 200mm spigots ensure simple, hassle-free connection to spiral ductwork.

Technical focus

- Extremely quiet operation from 26 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
- 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-60PFY1E5-C4	KIT-71PFY1E5-C4	KIT-100PFY1E5-C4	KIT-125PFY1E5-C4	KIT-100PFY1E8-C4	KIT-125PFY1E8-C4	KIT-140PFY1E8-C4
Indoor			S-60PF1E5A	S-71PF1E5A	S-100PF1E5A	S-125PF1E5A	S-100PF1E5A	S-125PF1E5A	S-140PF1E5A
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 (2.0 - 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	3.10 (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	3.22 (3.93 - 2.58) A
SEER ²⁾	Nominal (Min - Max)	W/W	5.4 	5.3 	5.4 	—	5.2 	—	—
Pdesign		kW	6.0	7.1	10.0	—	10.0	—	—
Power input cooling	Nominal (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)	4.350 (0.840 - 6.000)
Annual energy consumption (ErP) ³⁾		kWh/a	389	469	648	—	673	—	—
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	4.25 (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	3.91 (4.56 - 3.08) A
SCOP ⁵⁾	Nominal (Min - Max)	W/W	—	3.8 	—	—	3.8 	—	—
Pdesign at -10°C		kW	5.0	5.5	9.5	—	9.5	—	—
Power input heating	Nominal (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)	3.580 (0.900 - 5.200)
Annual energy consumption (ErP) ³⁾		kWh/a	1,842	2,026	3,500	—	3,500	—	—
Indoor unit									
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	70 (10 - 150)	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Cooling (Hi / Med / Lo)	m³/h	1,260 / 1,140 / 900	1,260 / 1,140 / 900	1,920 / 1,560 / 1,260	2,040 / 1,740 / 1,380	1,920 / 1,560 / 1,260	2,040 / 1,740 / 1,380	2,160 / 1,920 / 1,500
	Heating (Hi / Med / Lo)	m³/h	1,260 / 1,140 / 900	1,260 / 1,140 / 900	1,920 / 1,560 / 1,260	2,040 / 1,740 / 1,380	1,920 / 1,560 / 1,260	2,040 / 1,740 / 1,380	2,160 / 1,920 / 1,500
Moisture removal volume		l/h	3.4	4.2	6.0	7.9	6.0	7.9	9.0
Sound pressure level ⁷⁾	Cooling (Hi / Med / Lo)	dB(A)	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
	Heating (Hi / Med / Lo)	dB(A)	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Sound power level	Cooling (Hi / Med / Lo)	dB	57 / 54 / 48	57 / 54 / 48	60 / 56 / 53	61 / 57 / 54	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55
	Heating (Hi / Med / Lo)	dB	57 / 54 / 48	57 / 54 / 48	60 / 56 / 53	61 / 57 / 54	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55
Dimensions	H x W x D	mm	290 x 1,000 x 700	290 x 1,000 x 700	290 x 1,400 x 700	290 x 1,400 x 700	290 x 1,400 x 700	290 x 1,400 x 700	290 x 1,400 x 700
Net weight		kg	33	33	45	45	45	45	45
Outdoor unit									
Power source	V		220 / 230 / 240				380 / 400 / 415		
Recommended fuse	A		20				16		
Connection	mm²		2.5				2.5		
Current	Cooling	A	9.00 / 8.65 / 8.30	12.2 / 11.7 / 11.2	15.1 / 14.5 / 13.9	18.8 / 18.0 / 17.2	5.10 / 4.85 / 4.70	6.20 / 5.90 / 5.70	6.75 / 6.45 / 6.25
	Heating	A	6.40 / 6.10 / 5.90	8.30 / 7.90 / 7.60	11.8 / 11.2 / 10.7	14.6 / 14.0 / 13.4	4.05 / 3.80 / 3.65	4.90 / 4.65 / 4.50	5.60 / 5.40 / 5.20
Air volume	Cooling / Heating	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	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		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			73	85	85	98
Piping connections	Liquid pipe	Inch	3/8						
	Gas pipe	Inch	5/8						
Refrigerant loading	R410A	kg	1.7			3.20	2.60	3.20	3.4
Piping length / Elevation difference (in/out) ⁸⁾		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-60PFY1E5A and KIT-100PFY1E5A.

SEER and SCOP: For KIT-71PFY1E5A.

INTERNET CONTROL: Optional.

**HIGH
HEATING
CAPACITY
AT -7°C**



Optional Controller
Wired remote controller
CZ-RTC5



Optional Controller
Timer remote controller
CZ-RTC4



Optional Controller
Wireless remote controller
CZ-RWSK2 + CZ-RWSC3



Optional Controller
Simplified remote controller
CZ-RE2C2



S-100PF1E5A // S-125PF1E5A // S-140PF1E5A

Air Outlet Plenum (without regulation adaptor)		
	Diameters	Model
60 & 71	3 x Ø 200	CZ-90DAF2
100, 125 & 140	4 x Ø 200	CZ-160DAF2

Air Inlet Plenum		
	Diameters	Model
60 & 71	2 x Ø 250	CZ-DUMPA90MF2
100, 125 & 140	4 x Ø 200	CZ-DUMPA160MF2

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-50PF1E5-C4	KIT-60PF1E5-C4	KIT-71PF1E5-C4	KIT-100PF1E5-C4	KIT-125PF1E5-C4	KIT-140PF1E5-C4	KIT-71PF1E8-C4	KIT-100PF1E8-C4	KIT-125PF1E8-C4	KIT-140PF1E8-C4	
S-50PF1E5A	S-60PF1E5A	S-71PF1E5A	S-100PF1E5A	S-125PF1E5A	S-140PF1E5A	S-71PF1E8A	S-100PF1E8A	S-125PF1E8A	S-140PF1E8A	
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 - 15.5)	7.1 (3.2 - 8.0)	10.0 (3.3 - 12.5)	12.5 (3.3 - 14.0)	14.0 (3.3 - 15.5)	
3.77 (5.58 - 2.80) A	3.90 (4.72 - 3.55) A	3.84 (4.72 - 3.02) A	4.10 (3.93 - 3.38) A	3.50 (3.93 - 3.04) A	3.25 (3.93 - 2.58) A	3.84 (5.0 - 3.02) A	4.10 (3.93 - 3.38) A	3.50 (3.93 - 3.04) A	3.25 (3.93 - 2.58) A	
5.7 A+	6.4 A++		5.8 A+	—	—	6.0 A	5.7 A+	—	—	
5.0	6.0	7.1	10.0	—	—	7.1	10.0	—	—	
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)	
307	328	388	603	—	—	414	614	—	—	
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	
3.73 (6.82 - 2.71) A	3.87 (4.17 - 3.23) A	3.85 (4.17 - 3.10) A	4.31 (4.56 - 3.18) A	4.02 (4.56 - 3.08) A	3.60 (4.56 - 3.05) A	3.85 (4.83 - 3.10) A	4.31 (4.56 - 3.18) A	4.02 (4.56 - 3.08) A	3.60 (4.56 - 3.05) A	
3.8 A	3.9 A	4.0 A+	3.8 A	—	—	3.9 A	3.8 A	—	—	
4.0	6.0	7.1	10.0	—	—	7.1	10.0	—	—	
1.500 (0.220 - 2.400)	1.810 (0.480 - 2.480)	2.080 (0.480 - 2.900)	2.600 (0.900 - 4.400)	3.480 (0.900 - 5.200)	4.440 (0.900 - 5.900)	2.080 (0.580 - 2.900)	2.600 (0.900 - 4.400)	3.480 (0.900 - 5.200)	4.440 (0.900 - 5.900)	
1,474	2,154	2,485	3,684	—	—	2,548	3,684	—	—	
70 (10 - 150)			100 (10 - 150)			70 (10 - 150)	100 (10 - 150)			
960 / 900 / 720	1,260 / 1,140 / 900		1,920 / 1,560 / 1,260	2,040 / 1,740 / 1,380	2,160 / 1,920 / 1,500	1,260 / 1,140 / 900	1,920 / 1,560 / 1,260	2,040 / 1,740 / 1,380	2,160 / 1,920 / 1,500	
960 / 900 / 720	1,260 / 1,140 / 900		1,920 / 1,560 / 1,260	2,040 / 1,740 / 1,380	2,160 / 1,920 / 1,500	1,260 / 1,140 / 900	1,920 / 1,560 / 1,260	2,040 / 1,740 / 1,380	2,160 / 1,920 / 1,500	
2.8	3.4	4.2	6.0	7.9	9.0	4.2	6.0	7.9	9.0	
34 / 30 / 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	
34 / 30 / 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	
56 / 52 / 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	
56 / 52 / 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	
290 x 800 x 700	290 x 1,000 x 700		290 x 1,000 x 700			290 x 1,400 x 700				
28	33		45			33	45			
220 / 230 / 240						380 / 400 / 415				
16	20		25	30	16	2.5				
	2.5		4	6						
6.10 / 5.85 / 5.60	7.70 / 7.40 / 7.10	8.90 / 8.60 / 8.30	11.0 / 10.6 / 10.3	16.6 / 15.9 / 15.3	20.1 / 19.3 / 18.6	2.75 / 2.65 / 2.60	3.68 / 3.53 / 3.43	5.52 / 5.29 / 5.12	6.69 / 6.42 / 6.18	
6.85 / 6.55 / 6.25	8.70 / 8.40 / 8.10	9.90 / 9.50 / 9.20	11.6 / 11.2 / 10.7	16.3 / 15.8 / 15.1	19.9 / 19.1 / 18.4	3.10 / 3.00 / 2.90	3.86 / 3.70 / 3.58	5.44 / 5.26 / 5.05	6.64 / 6.35 / 6.15	
1,800 / 2,100	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		52 / 52	53 / 53	54 / 55	48 / 50	52 / 52	53 / 53	54 / 55	
65 / 69	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					3/8					
1/2					5/8					
1.65	2	2.35	3.4			2.35	3.4			
5 - 40 / 30						5 - 75 / 30				
30 / 20						30 / 50				
					-15 / +46					
					-20 / +24					

indoor unit including defrost correction factor. 6) Medium External static pressure setting from factory. 7) 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. 8) 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-GR08SE20
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.



CZ-90DAF2: Air Outlet
Plenum 3 diameters x Ø 200.
CZ-140DAF2: Air Outlet
Plenum 4 diameters x Ø 200.



U-50PE1E5



U-60PE1E5A
U-71PE1E8A



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