

## PACi Elite Low Static Pressure Hide Away Inverter+ • R32 GAS

The depth of only 250mm provides greater installation flexibility and the unit can be used in more applications. Ideal for sites with narrow ceiling voids.

Ultra-slim profile: 250mm height for all models.



			Single Phase							
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW	12,50kW	14,00kW	
KIT			KIT-36PN1ZH5	KIT-50PN1ZH5	KIT-60PN1ZH5	KIT-71PN1ZH5	KIT-100PN1ZH5	KIT-125PN1ZH5	KIT-140PN1ZH5	
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	
Cooling capacity	Nominal (Min - Max)	kW	3,60(1,50 - 4,00)	5,00(1,50 - 5,60)	6,00(2,00 - 7,10)	7,10(2,00 - 9,00)	10,00(3,10 - 12,50)	12,50(3,20 - 14,00)	14,00(3,30 - 16,00)	
EER <sup>1)</sup>		W/W	3,85	3,40	3,41	3,40	3,95	3,35	3,15	
SEER <sup>2)</sup>			5,10 A	5,10 A	6,00 A+	6,00 A+	6,00 A+	5,95	5,84	
Pdesign		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00	
Input power cooling		kW	0,93	1,47	1,76	2,09	2,53	3,73	4,45	
Annual energy consumption <sup>3)</sup>		kWh/a	246	342	350	414	582	—	—	
Heating capacity	Nominal (Min - Max)	kW	4,00(1,50 - 5,00)	5,60(1,50 - 6,50)	7,00(1,80 - 7,00)	8,00(2,00 - 9,00)	11,20(3,10 - 14,00)	14,00(3,30 - 16,00)	16,00(3,30 - 18,00)	
COP <sup>1)</sup>		W/W	4,40	3,50	3,80	3,90	4,00	3,70	3,50	
SCOP <sup>2)</sup>			4,00 A+	4,00 A+	4,00 A+	4,00 A+	4,00 A+	3,91	3,80	
Pdesign at -10°C		kW	3,60	3,80	5,60	5,20	8,00	9,50	10,60	
Input power heating		kW	0,91	1,60	1,84	2,05	2,80	3,78	4,45	
Annual energy consumption <sup>3)</sup>		kWh/a	1258	1573	2095	1914	2799	—	—	
<b>Indoor unit</b>			<b>S-36PN1E5B</b>	<b>S-50PN1E5B</b>	<b>S-60PN1E5B</b>	<b>S-71PN1E5B</b>	<b>S-100PN1E5B</b>	<b>S-125PN1E5B</b>	<b>S-140PN1E5B</b>	
External static pressure <sup>4)</sup>	Nominal (Min - Max)	Pa	25(10 - 80)	25(10 - 80)	25(10 - 80)	25(10 - 80)	40(10 - 80)	50(10 - 80)	50(10 - 80)	
Air volume	Hi / Med / Lo	m <sup>3</sup> /min	14,0/12,0/10,0	16,0/13,0/10,0	22,0/20,0/16,0	22,0/20,0/16,0	36,0/33,0/26,0	38,0/35,0/28,0	40,0/37,0/30,0	
Sound pressure <sup>5)</sup>	Hi / Med / Lo	dB(A)	35/33/30	36/34/30	38/36/31	38/36/31	39/37/32	40/38/33	41/39/34	
Dimension	HxWxD	mm	250x780x650	250x780x650	250x1000x650	250x1000x650	250x1200x650	250x1200x650	250x1200x650	
Net weight	Indoor / Panel	kg	29	29	32	32	41	41	41	
<b>Outdoor unit</b>			<b>U-36PZH2E5</b>	<b>U-50PZH2E5</b>	<b>U-60PZH2E5</b>	<b>U-71PZH2E5</b>	<b>U-100PZH2E5</b>	<b>U-125PZH2E5</b>	<b>U-140PZH2E5</b>	
Power source		V	220/230/240	220/230/240	220/230/240	220/230/240	220/230/240	220/230/240	220/230/240	
Current	Cool	A	4,20/4,00/3,85	6,50/6,20/5,95	8,20/7,85/7,50	9,45/9,00/8,60	11,20/10,70/10,20	16,90/16,10/15,40	20,00/19,30/18,40	
	Heat	A	4,10/3,90/3,75	7,15/6,85/6,55	8,60/8,25/7,85	9,20/8,85/8,45	2,40/11,90/11,40	17,00/16,20/15,60	20,20/19,30/18,50	
Air volume	Cool / Heat	m <sup>3</sup> /min	40/40	40/45	40/45	61/60	118/108	125/122	129/116	
Sound pressure	Cool / Heat (Hi)	dB(A)	43/44	45/48	46/49	48/50	52/52	53/53	54/54	
Sound power	Cool / Heat (Hi)	dB	62/64	64/68	65/69	65/67	69/69	70/70	71/71	
Dimension	HxWxD	mm	695x875x320	695x875x320	695x875x320	996x940x340	1416x940x340	1416x940x340	1416x940x340	
Net weight		kg	43	43	44	68	99	99	99	
Piping connections	Liquid pipe	Inch (mm)	1/4(6,35)	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(12,70)	1/2(12,70)	5/8(15,88)	5/8(15,88)	5/8(15,88)	5/8(15,88)	5/8(15,88)	
Pipe length range		m	3~40	3~40	3~40	5~50	5~85	5~85	5~85	
Elevation difference (in/out) <sup>6)</sup>		m	30	30	30	30	30	30	30	
Pipe length for additional gas		m	30	30	30	30	30	30	30	
Additional gas amount		g/m	20	20	35	45	45	45	45	
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T	1,15/0,776	1,15/0,776	1,45/0,979	1,95/1,316	3,05/2,059	3,05/2,059	3,05/2,059	
Operating range	Cool Min ~ Max	°C	-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	

### Accessories

<b>CZ-RTC5B</b>	Wired remote controller with Econavi function and datanavi
<b>CZ-RWS3 + CZ-RWRC3</b>	Infrared remote controller
<b>CZ-RE2C2</b>	Simplified remote controller
<b>PAW-WTRAY</b>	Tray for condenser water compatible with base ground support

### Accessories

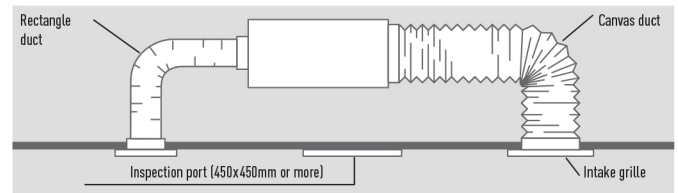
<b>PAW-GRDBSE20</b>	Outdoor base ground support for noise and vibration absorption
<b>PAW-GRDSTD40</b>	Outdoor elevation platform 400x900x400mm
<b>CZ-CAPWFC1</b>	<b>NEW</b> Commercial WLAN Adaptor

## Technical focus

- Automatic learning function for the required static pressure on site during commissioning (a standard wired remote controller is required. S-60/71/100/125/140PN1E5B models only)
- Compact indoor units without losing static pressure (only 250mm high)
- 50 Pa static pressure
- Easy maintenance and service via external electrical box
- 3 speed centrifugal fan through wired or Infrared remote controller
- 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 controlled by the remote control of the Panasonic indoor unit

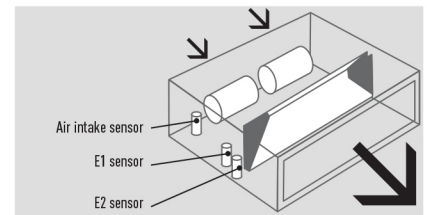
## System Example

An inspection port (450mmx450mm or more) is required at the control-box side of the indoor unit body.



## Cold Drafts Reduction at Heating

Accurate DX Coil temperature measurement by E1 and E2 sensor to reduce cold drafts at heating and increasing efficiency and comfort.



Before spec-in, please consult with an authorized Panasonic dealer.

			Three Phase			
			7,10kW	10,00kW	12,50kW	14,00kW
			KIT-71PN1ZH8	KIT-100PN1ZH8	KIT-125PN1ZH8	KIT-140PN1ZH8
			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
<b>KIT</b>						
<b>Remote controller</b>						
Cooling capacity	Nominal (Min - Max)	kW	7,10(2,20 - 9,00)	10,00(3,10 - 12,50)	12,50(3,20 - 14,00)	14,00(3,30 - 16,00)
EER <sup>1)</sup>		W/W	3,40	3,95	3,35	3,15
<b>SEER <sup>2)</sup></b>			<b>5,90 A+</b>	<b>5,90 A+</b>	<b>5,93</b>	<b>5,82</b>
Pdesign		kW	7,10	10,00	12,50	14,00
Input power cooling		kW	2,09	2,53	3,73	4,45
Annual energy consumption <sup>3)</sup>		kWh/a	418	588	—	—
Heating capacity	Nominal (Min - Max)	kW	8,00(2,00 - 9,00)	11,20(3,10 - 14,00)	14,00(3,30 - 16,00)	16,00(3,30 - 18,00)
COP <sup>1)</sup>		W/W	3,90	4,00	3,70	3,60
<b>SCOP <sup>2)</sup></b>			<b>4,00 A+</b>	<b>4,00 A+</b>	<b>3,91</b>	<b>3,80</b>
Pdesign at -10°C		kW	5,20	8,00	9,50	10,60
Input power heating		kW	2,05	2,80	3,78	4,45
Annual energy consumption <sup>3)</sup>		kWh/a	1914	2799	—	—
<b>Indoor unit</b>			<b>S-71PN1E5B</b>	<b>S-100PN1E5B</b>	<b>S-125PN1E5B</b>	<b>S-140PN1E5B</b>
External static pressure <sup>4)</sup>	Nominal (Min - Max)	Pa	25(10 - 80)	40(10 - 80)	50(10 - 80)	50(10 - 80)
Air volume	Hi / Med / Lo	m <sup>3</sup> /min	22,0/20,0/16,0	36,0/33,0/26,0	38,0/35,0/28,0	46,0/37,0/30,0
Sound pressure <sup>5)</sup>	Hi / Med / Lo	dB(A)	38/36/31	39/37/32	40/38/33	41/39/34
Dimension	HxWxD	mm	250x1000x650	250x1200x650	250x1200x650	250x1200x650
Net weight	Indoor / Panel	kg	32	41	41	41
<b>Outdoor unit</b>			<b>U-71PZH2E8</b>	<b>U-100PZH2E8</b>	<b>U-125PZH2E8</b>	<b>U-140PZH2E8</b>
Power source		V	380/400/415	380/400/415	380/400/415	380/400/415
Current	Cool	A	3,20/3,05/2,95	3,75/3,55/3,45	5,65/5,40/5,20	11,70/11,20/10,70
	Heat	A	3,20/2,95/2,85	4,20/4,00/3,85	5,75/5,45/5,25	6,80/6,45/6,20
Air volume	Cool / Heat	m <sup>3</sup> /min	61/60	118/108	125/112	129/116
Sound pressure	Cool / Heat (Hi)	dB(A)	48/50	52/52	53/53	54/54
Sound power	Cool / Heat (Hi)	dB	65/67	69/69	70/70	71/71
Dimension	HxWxD	mm	996x940x340	1416x940x340	1416x940x340	1416x940x340
Net weight		kg	68	99	99	99
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)
Pipe length range		m	5~50	5~85	5~85	5~85
Elevation difference (in/out) <sup>6)</sup>		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T	1,95/ 1,316	3,05/2,059	3,05/2,059	3,05/2,059
Operating range	Cool Min ~ Max	°C	-15~+46	-15~+46	-15~+46	-15~+46
	Heat Min ~ Max	°C	-20~+24	-20~+24	-20~+24	-20~+24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Medium external static pressure setting from factory. 5) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. \* Recommended fuse for the indoor 3A.



SEER and SCOP: KIT-60PN1ZH5, KIT-71PN1ZH5 and KIT-100PN1ZH5. INTERNET CONTROL: Optional.  
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.