

PACi Standard High Static Pressure Hide Away Inverter+ • R32 GAS

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.



CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.



CZ-RE2C2
Optional Controller.
Simplified remote controller.



CZ-CENSC1
Optional Econavi
Sensor.

| | | | Single Phase | | | | | |
|---|----------------------|---------------------|--------------------|--------------------|----------------------|----------------------|----------------------|-------------|
| | | | 6,00kW | 7,10kW | 10,00kW | 12,50kW | 14,00kW | |
| KIT | | | KIT-60PF1Z5 | KIT-71PF1Z5 | KIT-100PF1Z5 | KIT-125PF1Z5 | KIT-140PF1Z5 | |
| Remote controller | | | CZ-RTC5B | CZ-RTC5B | CZ-RTC5B | CZ-RTC5B | CZ-RTC5B | |
| Cooling capacity | Nominal (Min - Max) | kW | 6,00 (2,00 - 7,10) | 7,10 (2,00 - 7,70) | 10,00 (3,00 - 11,50) | 12,50 (3,20 - 13,50) | 14,00 (3,30 - 15,00) | |
| EER ¹⁾ | Nominal (Min - Max) | W/W | 3,51 | 3,23 | 3,66 (5,36 - 2,81) | 3,52 (5,33 - 2,80) | 3,18 (5,32 - 2,70) | |
| SEER ²⁾ | | | 6,10 A++ | 6,10 A++ | 5,60 A+ | 5,56 | 5,38 | |
| P _{design} | | | 6,00 | 7,10 | 10,00 | 12,50 | 14,00 | |
| Input power cooling | Nominal (Min - Max) | kW | 1,71 | 2,20 | 2,73 (0,56 - 4,09) | 3,55 (0,60 - 4,82) | 4,40 (0,62 - 5,56) | |
| Annual energy consumption ³⁾ | | | 344 | 407 | 625 | 787 | 911 | |
| Heating capacity | Nominal (Min - Max) | kW | 6,00 (1,80 - 7,00) | 7,10 (1,80 - 8,10) | 10,00 (3,00 - 14,00) | 12,50 (3,30 - 15,00) | 14,00 (3,40 - 16,00) | |
| COP ¹⁾ | Nominal (Min - Max) | W/W | 4,55 | 4,13 | 4,31 (5,36 - 3,51) | 4,02 (5,50 - 3,45) | 3,79 (5,48 - 3,13) | |
| SCOP ²⁾ | | | 4,20 A+ | 4,30 A+ | 3,80 A | 3,61 | 3,54 | |
| P _{design} at -10°C | | | 6,00 | 6,00 | 10,00 | 12,50 | 13,60 | |
| Input power heating | Nominal (Min - Max) | kW | 1,32 | 1,72 | 2,32 (0,56 - 3,99) | 3,11 (0,60 - 4,35) | 3,69 (0,62 - 5,12) | |
| Annual energy consumption ³⁾ | | | 2000 | 1953 | 3684 | 4848 | 5379 | |
| Indoor unit | | | S-60PF1E5B | S-71PF1E5B | S-100PF1E5B | S-125PF1E5B | S-140PF1E5B | |
| External static pressure ⁴⁾ | Nominal (Min - Max) | Pa | 70 (10 - 150) | 70 (10 - 150) | 100 (10 - 150) | 100 (10 - 150) | 100 (10 - 150) | |
| Air volume | Hi / Med / Lo | m ³ /min | 21,0/19,0/15,0 | 21,0/19,0/15,0 | 32,0/26,0/21,0 | 34,0/29,0/23,0 | 36,0/32,0/25,0 | |
| Moisture removal volume | | | 3,4 | 4,2 | 6,0 | 7,9 | 9,0 | |
| Sound pressure ⁵⁾ | Hi / Med / Lo | dB(A) | 35/32/26 | 35/32/26 | 38/34/31 | 39/35/32 | 40/36/33 | |
| Sound power | Hi / Med / Lo | dB | 57/54/48 | 57/54/48 | 60/56/53 | 61/57/54 | 62/58/55 | |
| Dimension | HxWxD | mm | 290x1000x700 | 290x1000x700 | 290x1400x700 | 290x1400x700 | 290x1400x700 | |
| Net weight | | | 33 | 33 | 45 | 45 | 45 | |
| Outdoor unit | | | U-60PZ2E5 | U-71PZ2E5 | U-100PZ2E5 | U-125PZ2E5 | U-140PZ2E5 | |
| Power source | | | V | 220/230/240 | 220/230/240 | 220/230/240 | 220/230/240 | |
| Current | Cool (Hi / Med / Lo) | A | 8,05/7,70/7,35 | 10,40/9,95/9,50 | 12,10/11,60/11,10 | 16,10/15,50/14,80 | 20,20/19,30/18,60 | |
| | Heat (Hi / Med / Lo) | A | 6,05/5,80/5,55 | 8,10/7,75/7,40 | 10,10/9,70/9,30 | 14,00/13,40/12,90 | 16,80/16,00/15,30 | |
| Air volume | Cool / Heat | m ³ /min | 40/45 | 50/45 | 76/70 | 86/78 | 89/83 | |
| Sound pressure | Cool / Heat (Hi) | dB(A) | 46/48 | 49/49 | 52/52 | 55/55 | 56/56 | |
| Sound power | Cool / Heat (Hi) | dB | 65/68 | 69/69 | 70/70 | 73/73 | 74/74 | |
| Dimension | HxWxD | mm | 695x875x320 | 695x875x320 | 996x980x370 | 996x980x370 | 996x980x370 | |
| Net weight | | | 44 | 44 | 90 | 94 | 94 | |
| 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) | |
| | Gas pipe | Inch (mm) | 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 | 5 - 50 | 5 - 50 | |
| Elevation difference (in/out) ⁶⁾ | | | m | 30 | 30 | 30 | 30 | |
| Pipe length for additional gas | | | m | 30 | 30 | 30 | 30 | |
| Additional gas amount | | | g/m | 35 | 35 | 45 | 45 | |
| Refrigerant (R32) / CO ₂ Eq. | | | kg / T | 1,45/0,979 | 1,45/0,979 | 2,60/1,755 | 2,98/2,0115 | 2,98/2,0115 |
| Operating range | Cool Min - Max | °C | -10 ~ +43 | -10 ~ +43 | -10 ~ +43 | -10 ~ +43 | -10 ~ +43 | |
| | Heat Min - Max | °C | -15 ~ +24 | -15 ~ +24 | -15 ~ +24 | -15 ~ +24 | -15 ~ +24 | |

Accessories

| | |
|---------------------------|--|
| CZ-RTC5B | Wired remote controller with Econavi function and datanavi |
| CZ-RWS3 + CZ-RWRC3 | Infrared remote controller |
| CZ-RE2C2 | Simplified remote controller |
| PAW-WTRAY | Tray for condenser water compatible with base ground support |
| PAW-GRDBSE20 | Outdoor base ground support for noise and vibration absorption |

Accessories

| | |
|-----------------------|--|
| PAW-GRDSTD40 | Outdoor elevation platform 400x900x400mm |
| CZ-90DAF2 | Air Outlet Plenum S . .PF1E5B 60 & 71 |
| CZ-160DAF2 | Air Outlet Plenum S . .PF1E5B 100, 125 & 140 |
| CZ-DUMPA90MF2 | Air Inlet Plenum S . .PF1E5B 60 & 71 |
| CZ-DUMPA160MF2 | Air Inlet Plenum S . .PF1E5B 100, 125 & 140 |
| CZ-CAPWFC1 | NEW Commercial WLAN Adaptor |

Technical focus

- High ESP (external static pressure) up to 150 Pa
- Automatic learning function for the required static pressure on site during commissioning (a standard wired remote controller is required)
- DC FAN for better efficiency and control
- Built in drain pump
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- 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 controlled by the remote control of the Panasonic indoor unit

The static pressure outside the unit can be increased up to 150 Pa

| Type | | 60 | 71 | 100 | 125 | 140 |
|---------------------------|----|-----|-----|-----|-----|-----|
| Standard | Pa | 70 | 70 | 100 | 100 | 100 |
| Maximum available setting | Pa | 150 | 150 | 150 | 150 | 150 |

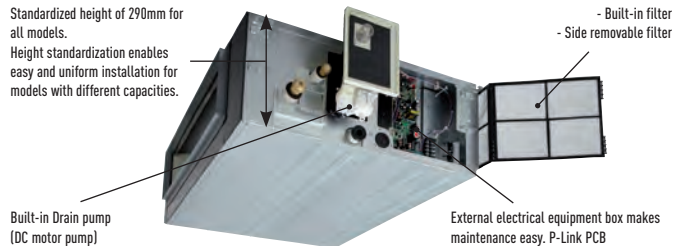
More powerful drain pump

Using a high-lift drain pump, drain piping can be elevated up to 785mm from the base of the unit.

Plenums

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

| Air Inlet Plenum | | |
|------------------|-----------|----------------|
| | Diameters | Model |
| 60 & 71 | 3xØ 200 | CZ-DUMPA90MF2 |
| 100, 125 & 140 | 4xØ 200 | CZ-DUMPA160MF2 |



| | | | Three Phase | | |
|---|----------------------|---------------------|----------------------|----------------------|----------------------|
| | | | 10,00kW | 12,50kW | 14,00kW |
| KIT | | | KIT-100PF1Z8 | KIT-125PF1Z8 | KIT-140PF1Z8 |
| Remote controller | | | CZ-RTC5B | CZ-RTC5B | CZ-RTC5B |
| Cooling capacity | Nominal (Min - Max) | kW | 10,00 (3,00 - 11,50) | 12,50 (3,20 - 13,50) | 14,00 (3,30 - 15,00) |
| EER ¹⁾ | Nominal (Min - Max) | W/W | 3,66 (5,36 - 2,81) | 3,52 (5,33 - 2,80) | 3,18 (5,48 - 2,70) |
| SEER ²⁾ | | | 5,60A+ | 5,54 | 5,37 |
| Pdesign | | kW | 10,00 | 12,50 | 14,00 |
| Input power cooling | Nominal (Min - Max) | kW | 2,73 (0,56 - 4,09) | 3,55 (0,60 - 4,82) | 4,40 (0,62 - 5,56) |
| Annual energy consumption ³⁾ | | kWh/a | 625 | 790 | 912 |
| Heating capacity | Nominal (Min - Max) | kW | 10,00 (3,00 - 14,00) | 12,50 (3,30 - 15,00) | 14,00 (3,40 - 16,00) |
| COP ¹⁾ | Nominal (Min - Max) | W/W | 4,31 (5,36 - 3,51) | 4,02 (5,50 - 3,45) | 3,79 (5,48 - 3,13) |
| SCOP ²⁾ | | | 3,80A | 3,61 | 3,54 |
| Pdesign at -10°C | | kW | 10,00 | 12,50 | 13,60 |
| Input power heating | Nominal (Min - Max) | kW | 2,32 (0,56 - 3,99) | 3,11 (0,60 - 4,35) | 3,69 (0,62 - 5,12) |
| Annual energy consumption ³⁾ | | kWh/a | 3684 | 4848 | 5379 |
| Indoor unit | | | S-100PF1E5B | S-125PF1E5B | S-140PF1E5B |
| External static pressure ⁴⁾ | Nominal (Min - Max) | Pa | 100 (10 - 150) | 100 (10 - 150) | 100 (10 - 150) |
| Air volume | Hi / Med / Lo | m ³ /min | 32,0/26,0/21,0 | 34,0/29,0/23,0 | 36,0/32,0/25,0 |
| Moisture removal volume | | L/h | 6,0 | 7,9 | 9,0 |
| Sound pressure ⁵⁾ | Hi / Med / Lo | dB(A) | 38/34/31 | 39/35/32 | 40/36/33 |
| Sound power | Hi / Med / Lo | dB | 60/56/53 | 61/57/54 | 62/58/55 |
| Dimension | H x W x D | mm | 290 x 1400 x 700 | 290 x 1400 x 700 | 290 x 1400 x 700 |
| Net weight | | kg | 45 | 45 | 45 |
| Outdoor unit | | | U-100PZ2E8 | U-125PZ2E8 | U-140PZ2E8 |
| Power source | | V | 380/400/415 | 380/400/415 | 380/400/415 |
| Current | Cool (Hi / Med / Lo) | A | 4,15/3,95/3,80 | 5,40/5,10/4,95 | 6,75/6,40/6,15 |
| | Heat (Hi / Med / Lo) | A | 3,45/3,30/3,20 | 4,70/4,45/4,30 | 5,60/5,30/5,15 |
| Air volume | Cool / Heat | m ³ /min | 76/70 | 86/78 | 89/83 |
| Sound pressure | Cool / Heat (Hi) | dB(A) | 52/52 | 55/55 | 56/56 |
| Sound power | Cool / Heat (Hi) | dB | 70/70 | 73/73 | 74/74 |
| Dimension | H x W x D | mm | 996 x 980 x 370 | 996 x 980 x 370 | 996 x 980 x 370 |
| Net weight | | kg | 90 | 94 | 94 |
| Piping connections | Liquid pipe | Inch (mm) | 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) |
| Pipe length range | | m | 5 - 50 | 5 - 50 | 5 - 50 |
| Elevation difference (in/out) ⁶⁾ | | m | 30 | 30 | 30 |
| Pipe length for additional gas | | m | 30 | 30 | 30 |
| Additional gas amount | | g/m | 45 | 45 | 45 |
| Refrigerant (R32) / CO ₂ Eq. | | kg / T | 2,60/1,755 | 2,98/2,0115 | 2,98/2,0115 |
| Operating range | Cool Min ~ Max | °C | -10 ~ +43 | -10 ~ +43 | -10 ~ +43 |
| | Heat Min ~ Max | °C | -15 ~ +24 | -15 ~ +24 | -15 ~ +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: For KIT-71PF1Z5. INTERNET CONTROL: Optional.

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

PACi Elite High Static Pressure Hide Away Inverter+ • R32 GAS

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.



CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.



CZ-RE2C2
Optional Controller.
Simplified remote controller.



CZ-CENSC1
Optional Econavi
Sensor.

| | | | Single Phase | | | | | | |
|---|----------------------|---------------------|--------------------|--------------------|--------------------|--------------------|-----------------------|-----------------------|-----------------------|
| KIT | | | 3,60kW | 5,00kW | 6,00kW | 7,10kW | 10,00kW | 12,50kW | 14,00kW |
| Remote controller | | | KIT-36PF1ZH5 | KIT-50PF1ZH5 | KIT-60PF1ZH5 | KIT-71PF1ZH5 | KIT-100PF1ZH5 | KIT-125PF1ZH5 | KIT-140PF1ZH5 |
| | | | 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 (2,20 - 9,00) | 10,00 (3,10 - 12,50) | 12,50 (3,20 - 14,00) | 14,00 (3,30 - 16,00) |
| EER ¹⁾ | | W/W | 4,74 | 4,03 | 3,68 | 3,84 | 4,13 | 3,52 | 3,26 |
| SEER²⁾ | | | 6,10 A++ | 5,90 A+ | 6,40 A++ | 6,50 A++ | 6,20 A++ | 5,88 | 5,73 |
| P _{design} | | kW | 3,60 | 5,00 | 6,00 | 7,10 | 10,00 | 12,50 | 14,00 |
| Input power cooling | | kW | 0,76 | 1,24 | 1,63 | 1,85 | 2,42 | 3,55 | 4,30 |
| Annual energy consumption ³⁾ | | kWh/a | 207 | 297 | 328 | 382 | 564 | — | — |
| Heating capacity | Nominal (Min - Max) | kW | 4,00 (1,50 - 5,00) | 5,60 (1,50 - 6,50) | 7,00 (1,80 - 8,00) | 8,00 (2,00 - 9,00) | 11,20 (3,10 - 14,00) | 14,00 (3,20 - 16,00) | 16,00 (3,30 - 18,00) |
| COP ¹⁾ | | W/W | 4,76 | 4,18 | 4,14 | 4,00 | 4,31 | 4,02 | 3,65 |
| SCOP²⁾ | | | 4,30 A+ | 4,20 A+ | 4,30 A+ | 4,60 A++ | 4,40 A+ | 4,26 | 4,18 |
| P _{design} at -10°C | | kW | 3,60 | 4,00 | 6,00 | 5,20 | 8,00 | 9,50 | 10,60 |
| Input power heating | | kW | 0,84 | 1,34 | 1,69 | 2,00 | 2,60 | 3,48 | 4,38 |
| Annual energy consumption ³⁾ | | kWh/a | 1172 | 1500 | 1953 | 1582 | 2545 | — | — |
| Indoor unit | | | S-36PF1E5B | S-50PF1E5B | S-60PF1E5B | S-71PF1E5B | S-100PF1E5B | S-125PF1E5B | S-140PF1E5B |
| External static pressure ⁴⁾ | Nominal (Min - Max) | Pa | 70 (10 - 150) | 70 (10 - 150) | 70 (10 - 150) | 70 (10 - 150) | 100 (10 - 150) | 100 (10 - 150) | 100 (10 - 150) |
| Air volume | Hi / Med / Lo | m ³ /min | 14,0 / 13,0 / 10,0 | 16,0 / 15,0 / 12,0 | 21,0 / 19,0 / 15,0 | 21,0 / 19,0 / 15,0 | 32,0 / 26,0 / 21,0 | 34,0 / 29,0 / 23,0 | 36,0 / 32,0 / 25,0 |
| Sound pressure ⁵⁾ | Hi / Med / Lo | dB(A) | 33 / 29 / 25 | 34 / 30 / 26 | 35 / 32 / 26 | 35 / 32 / 26 | 38 / 34 / 31 | 39 / 35 / 32 | 40 / 36 / 33 |
| Dimension | H x W x D | mm | 290 x 800 x 700 | 290 x 800 x 700 | 290 x 1000 x 700 | 290 x 1000 x 700 | 290 x 1400 x 700 | 290 x 1400 x 700 | 290 x 1400 x 700 |
| Net weight | | kg | 28 | 28 | 33 | 33 | 45 | 45 | 45 |
| Outdoor unit | | | U-36PZH2E5 | U-50PZH2E5 | U-60PZH2E5 | U-71PZH2E5 | U-100PZH2E5 | U-125PZH2E5 | U-140PZH2E5 |
| 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 (Hi / Med / Lo) | A | 3,45 / 3,30 / 3,15 | 5,50 / 5,25 / 5,05 | 7,65 / 7,30 / 7,00 | 8,35 / 8,00 / 7,65 | 10,60 / 10,20 / 9,75 | 15,90 / 15,20 / 14,60 | 19,50 / 18,60 / 17,80 |
| | Heat (Hi / Med / Lo) | A | 3,85 / 3,70 / 3,55 | 6,05 / 5,80 / 5,55 | 7,95 / 7,60 / 7,25 | 8,90 / 8,50 / 8,25 | 11,50 / 11,00 / 10,50 | 15,60 / 14,90 / 14,30 | 19,90 / 19,00 / 18,20 |
| Air volume | Cool / Heat | m ³ /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 | H x W x D | mm | 695 x 875 x 320 | 695 x 875 x 320 | 695 x 875 x 320 | 996 x 940 x 340 | 1416 x 940 x 340 | 1416 x 940 x 340 | 1416 x 940 x 340 |
| 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) ⁶⁾ | | 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 ₂ 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

| | |
|---------------------------|--|
| CZ-RTC5B | Wired remote controller with Econavi function and datanavi |
| CZ-RWS3 + CZ-RWRC3 | Infrared remote controller |
| CZ-RE2C2 | Simplified remote controller |
| PAW-WTRAY | Tray for condenser water compatible with base ground support |
| PAW-GRDBSE20 | Outdoor base ground support for noise and vibration absorption |

Accessories

| | |
|-----------------------|--|
| PAW-GRDSTD40 | Outdoor elevation platform 400 x 900 x 400mm |
| CZ-56DAF2 | Air Outlet Plenum S...PF1E5B 36, 45 & 50 |
| CZ-90DAF2 | Air Outlet Plenum S...PF1E5B 60 & 71 |
| CZ-160DAF2 | Air Outlet Plenum S...PF1E5B 100, 125 & 140 |
| CZ-DUMPA90MF2 | Air Inlet Plenum S...PF1E5B 60 & 71 |
| CZ-DUMPA160MF2 | Air Inlet Plenum S...PF1E5B 100, 125 & 140 |
| CZ-CAPWFC1 | NEW Commercial WLAN Adaptor |

Technical focus

- High ESP (external static pressure) up to 150 Pa
- Automatic learning function for the required static pressure on site during commissioning (a standard wired remote controller is required)
- DC FAN for better efficiency and control
- Built in drain pump
- Datanavi simple support tool App with remote controller (CZ-RTC5B)
- 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 controlled by the remote control of the Panasonic indoor unit

The static pressure outside the unit can be increased up to 150 Pa

| Type | | 36 | 45 | 50 | 60 | 71 | 100 | 125 | 140 |
|---------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|
| Standard | Pa | 70 | 70 | 70 | 70 | 70 | 100 | 100 | 100 |
| Maximum available setting | Pa | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |

More powerful drain pump

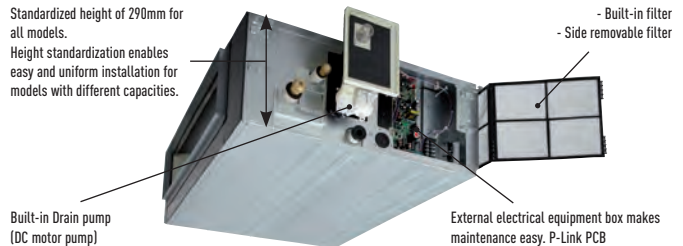
Using a high-lift drain pump, drain piping can be elevated up to 785mm from the base of the unit.

Plenums

| Air Outlet Plenum (without regulation adaptor) | | |
|--|-----------|------------|
| | Diameters | Model |
| 36, 45 & 50 | 2xØ 200 | CZ-56DAF2 |
| 60 & 71 | 3xØ 200 | CZ-90DAF2 |
| 100, 125 & 140 | 4xØ 200 | CZ-160DAF2 |

| Air Inlet Plenum | | |
|------------------|-----------|----------------|
| | Diameters | Model |
| 60 & 71 | 3xØ 200 | CZ-DUMPA90MF2 |
| 100, 125 & 140 | 4xØ 200 | CZ-DUMPA160MF2 |

Standardized height of 290mm for all models. Height standardization enables easy and uniform installation for models with different capacities.



Three Phase

| | | | 7,10kW | 10,00kW | 12,50kW | 14,00kW |
|---|----------------------|---------------------|--------------------|----------------------|----------------------|----------------------|
| KIT | | | KIT-71PF1ZH8 | KIT-100PF1ZH8 | KIT-125PF1ZH8 | KIT-140PF1ZH8 |
| Remote controller | | | CZ-RTC5B | CZ-RTC5B | CZ-RTC5B | CZ-RTC5B |
| 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 ¹⁾ | | W/W | 3,84 | 4,13 | 3,52 | 3,26 |
| SEER ²⁾ | | | 6,40 A++ | 6,10 A++ | 5,87 | 5,72 |
| Pdesign | | kW | 7,10 | 10,00 | 12,50 | 14,00 |
| Input power cooling | | kW | 1,85 | 2,42 | 3,55 | 4,30 |
| Annual energy consumption ³⁾ | | kWh/a | 388 | 574 | — | — |
| Heating capacity | Nominal (Min - Max) | kW | 8,00 (2,00 - 9,00) | 11,20 (3,10 - 14,00) | 14,00 (3,20 - 16,00) | 16,00 (3,30 - 18,00) |
| COP ¹⁾ | | W/W | 4,00 | 4,31 | 4,02 | 3,65 |
| SCOP ²⁾ | | | 4,60 A++ | 4,40 A+ | 4,26 | 4,18 |
| Pdesign at -10°C | | kW | 5,20 | 8,00 | 9,50 | 10,60 |
| Input power heating | | kW | 2,00 | 2,60 | 3,48 | 4,38 |
| Annual energy consumption ³⁾ | | kWh/a | 1582 | 2545 | — | — |
| Indoor unit | | | S-71PF1E5B | S-100PF1E5B | S-125PF1E5B | S-140PF1E5B |
| External static pressure ⁴⁾ | Nominal (Min - Max) | Pa | 70 (10 - 150) | 100 (10 - 150) | 100 (10 - 150) | 100 (10 - 150) |
| Air volume | Hi / Med / Lo | m ³ /min | 21,0/19,0/15,0 | 32,0/26,0/21,0 | 34,0/29,0/23,0 | 36,0/32,0/25,0 |
| Sound pressure ⁵⁾ | Hi / Med / Lo | dB(A) | 35/32/26 | 38/34/31 | 39/35/32 | 40/36/33 |
| Dimension | HxWxD | mm | 290x1000x700 | 290x1400x700 | 290x1400x700 | 290x1400x700 |
| Net weight | | kg | 33 | 45 | 45 | 45 |
| Outdoor unit | | | U-71PZH2E8 | U-100PZH2E8 | U-125PZH2E8 | U-140PZH2E8 |
| Power source | | V | 380/400/415 | 380/400/415 | 380/400/415 | 380/400/415 |
| Current | Cool (Hi / Med / Lo) | A | 2,80/2,70/2,60 | 3,60/3,40/3,30 | 5,40/5,10/4,95 | 6,60/6,25/6,05 |
| | Heat (Hi / Med / Lo) | A | 3,00/2,90/2,80 | 3,90/3,70/3,55 | 5,30/5,00/4,85 | 6,70/6,40/6,15 |
| Air volume | Cool / Heat | m ³ /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) ⁶⁾ | | 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 ₂ Eq. | | kg / T | 1,95 / 1,316 | 3,05 / 2,059 | 3,05 / 2,059 | 3,05 / 2,059 |
| | Cool Min ~ Max | °C | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 |
| Operating range | 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: For KIT-71PF1ZH8. INTERNET CONTROL: Optional.

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

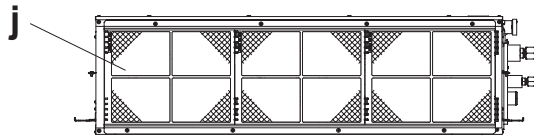
1-2. Dimensional Data

(A) Indoor Units: S-36PF1E5B, S-45PF1E5B, S-50PF1E5B, S-60PF1E5B, S-71PF1E5B, S-100PF1E5B, S-125PF1E5B, S-140PF1E5B

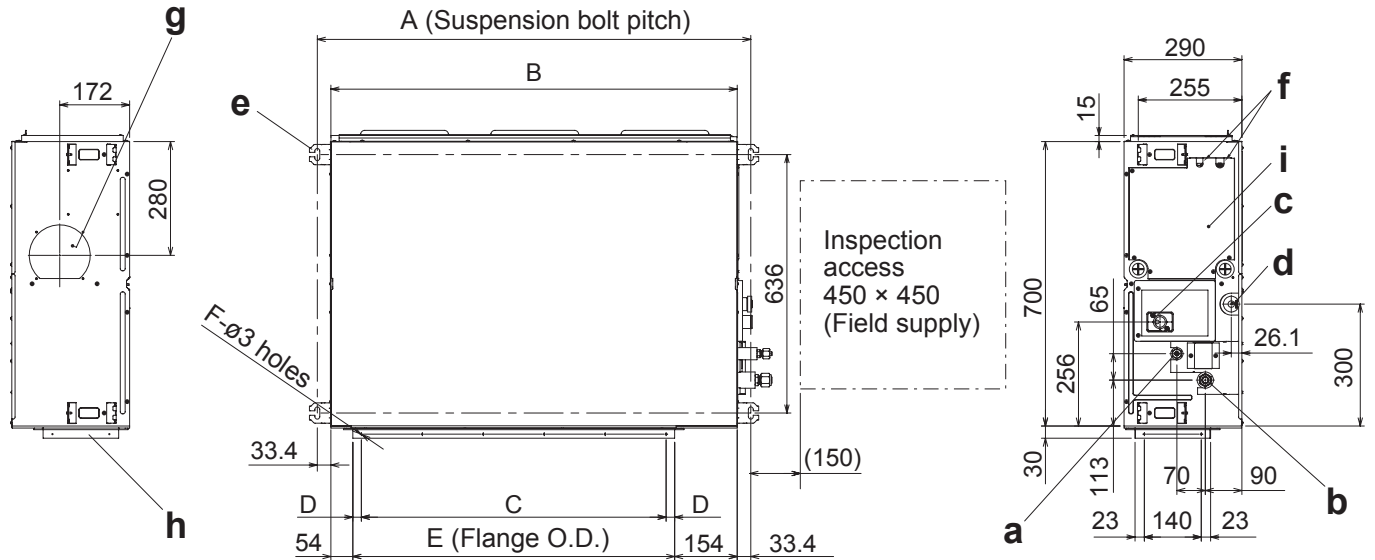
Unit: mm

| Type | A | B | C | D | E | F |
|---------------|-------|-------|-----------------------|----|-------|----|
| 36, 45, 50 | 867 | 800 | 450 (Pitch 150 × 3) | 71 | 592 | 12 |
| 60, 71 | 1,067 | 1,000 | 750 (Pitch 150 × 5) | 21 | 792 | 16 |
| 100, 125, 140 | 1,467 | 1,400 | 1,050 (Pitch 150 × 7) | 71 | 1,192 | 20 |

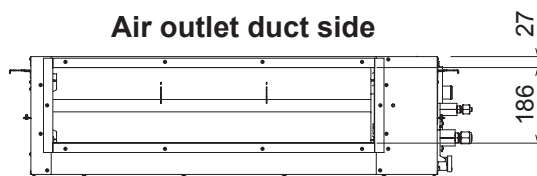
Air intake port side



| | | | |
|---|--|-------------|-----------------|
| a | Refrigerant tubing joint (liquid tube) | Type 36-50 | Ø6.35 (flared) |
| | | Type 60-140 | Ø9.52 (flared) |
| b | Refrigerant tubing joint (gas tube) | Type 36-50 | Ø12.7 (flared) |
| | | Type 60-140 | Ø15.88 (flared) |
| c | Upper drain port VP25 (O.D. 32 mm) Ø 200 flexible hose supplied | | |
| d | Bottom drain port VP25 (O.D. 32 mm) | | |
| e | Suspension lug (4 – 12 × 30 mm) | | |
| f | Power supply outlet | | |
| g | Fresh air intake port (ø150 mm) | | |
| h | Flange for flexible air outlet duct | | |
| i | Electrical component box | | |
| j | Filter | | |



Air outlet duct side



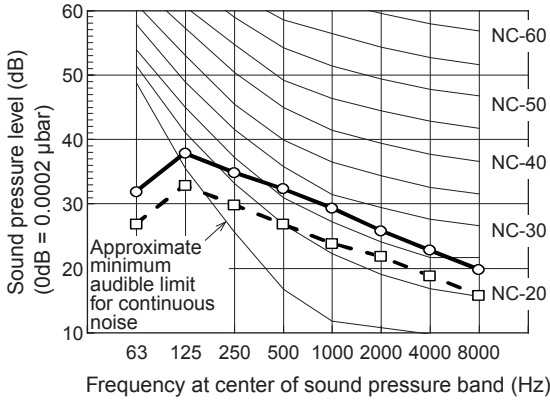
1-6. Noise Criterion Curves

(A) Indoor Units

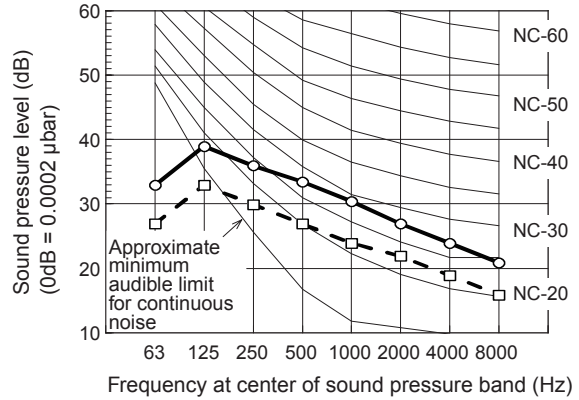
Ducted Type

—○— High
-□- Low

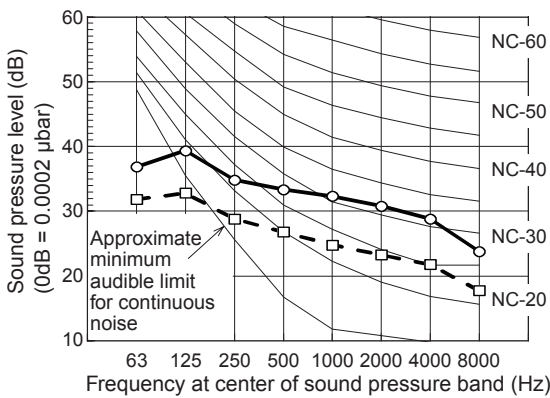
| | |
|-------------|--------------------------------------|
| MODEL | : S-36PN1E5B |
| SOUND LEVEL | : High 35 dB(A) Low 30 dB(A) |
| CONDITION | : Under the unit 1.5m |
| SOURCE | : 220-230-240V , Single Phase , 50Hz |



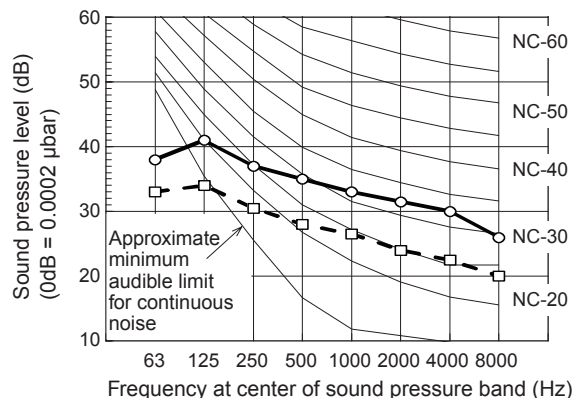
| | |
|-------------|--------------------------------------|
| MODEL | : S-45PN1E5B S-50PN1E5B |
| SOUND LEVEL | : High 36 dB(A) Low 30 dB(A) |
| CONDITION | : Under the unit 1.5m |
| SOURCE | : 220-230-240V , Single Phase , 50Hz |



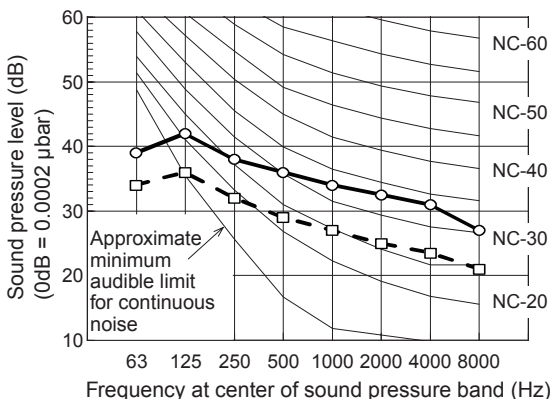
| | |
|-------------|--------------------------------------|
| MODEL | : S-60PN1E5B S-71PN1E5B |
| SOUND LEVEL | : High 38 dB(A) Low 31 dB(A) |
| CONDITION | : Under the unit 1.5m |
| SOURCE | : 220-230-240V , Single Phase , 50Hz |



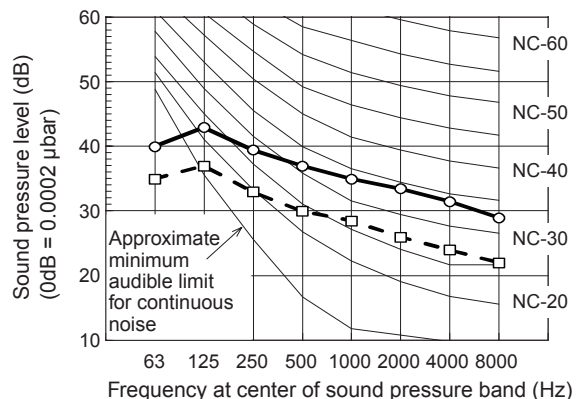
| | |
|-------------|--------------------------------------|
| MODEL | : S-100PN1E5B |
| SOUND LEVEL | : High 39 dB(A) Low 32 dB(A) |
| CONDITION | : Under the unit 1.5m |
| SOURCE | : 220-230-240V , Single Phase , 50Hz |



| | |
|-------------|--------------------------------------|
| MODEL | : S-125PN1E5B |
| SOUND LEVEL | : High 40 dB(A) Low 33 dB(A) |
| CONDITION | : Under the unit 1.5m |
| SOURCE | : 220-230-240V , Single Phase , 50Hz |



| | |
|-------------|--------------------------------------|
| MODEL | : S-140PN1E5B |
| SOUND LEVEL | : High 41 dB(A) Low 34 dB(A) |
| CONDITION | : Under the unit 1.5m |
| SOURCE | : 220-230-240V , Single Phase , 50Hz |

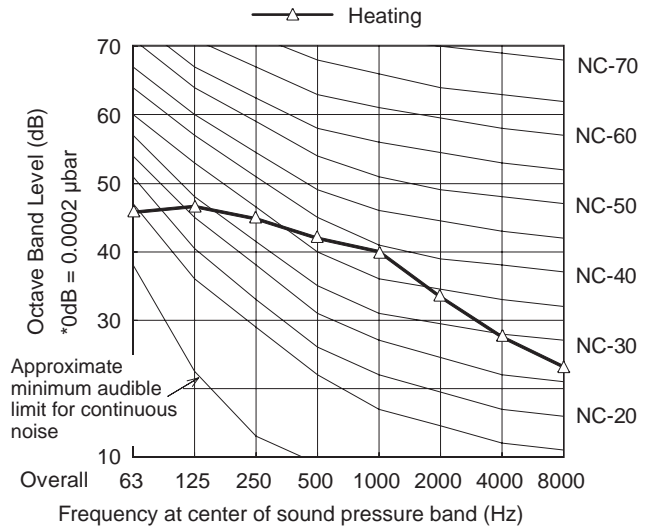
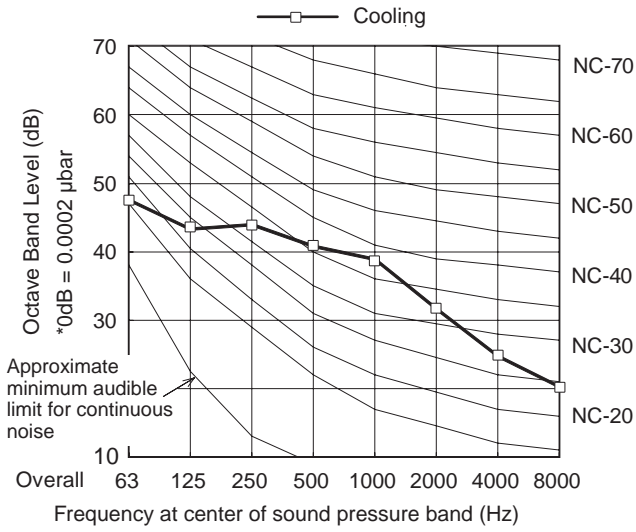


1-6. Noise Criterion Curves

(B) Outdoor Unit

| | |
|-------------|-----------------------------------|
| MODEL | : U-36PZH2E5 |
| SOUND LEVEL | : Cooling 43 dB(A) |
| CONDITION | : 1 m in front at height of 1.5 m |
| SOURCE | : 220-230-240V, 1 phase, 50Hz |

| | |
|-------------|-----------------------------------|
| MODEL | : U-36PZH2E5 |
| SOUND LEVEL | : Heating 44 dB(A) |
| CONDITION | : 1 m in front at height of 1.5 m |
| SOURCE | : 220-230-240V, 1 phase, 50Hz |



| | |
|-------------|-----------------------------------|
| MODEL | : U-50PZH2E5 |
| SOUND LEVEL | : Cooling 45 dB(A) |
| CONDITION | : 1 m in front at height of 1.5 m |
| SOURCE | : 220-230-240V, 1 phase, 50Hz |

| | |
|-------------|-----------------------------------|
| MODEL | : U-50PZH2E5 |
| SOUND LEVEL | : Heating 48 dB(A) |
| CONDITION | : 1 m in front at height of 1.5 m |
| SOURCE | : 220-230-240V, 1 phase, 50Hz |

