

# Indoor Unit

High Static Pressure

# Slim-line Ducted

Control all aspects of your environment with exceptional performance and quiet operation. A perfect solution when ceiling heights are restricted.



S-60PF1E5B  
S-71PF1E5B



S-100PF1E5B  
S-125PF1E5B  
S-140PF1E5B

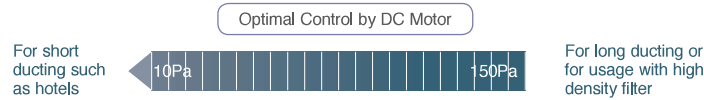


### Technical focus

- Space saving 290mm height
- DC fan motor for variable external static pressure control
- Easy to install and maintain
- Accurate temperature control to reduce cold drafts during operation
- Configurable air temperature control

### Variable external static pressure control

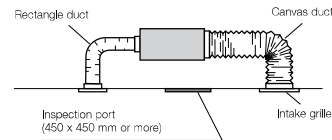
Optimal airflow set-up is possible for different ducting design and conditions.



\* Please refer to technical documents for detail.

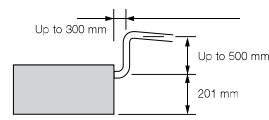
### System example

An inspection port (450 mm x 450 mm or larger) is required at the lower side of the indoor unit body.



### More powerful drain pump

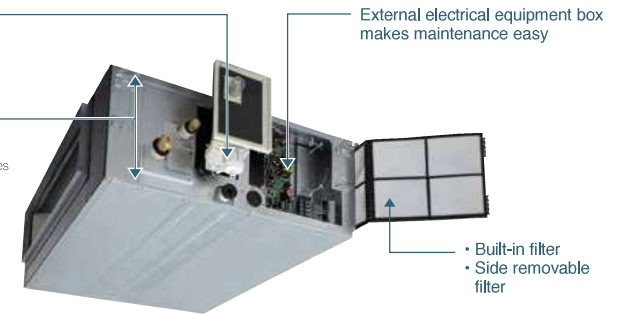
Using a high-lift built-in drain pump, drain piping can be elevated up to 701 mm from the base of the unit.



### Built-in Drain pump (DC motor pump)

### Space saving height of 290mm for all models

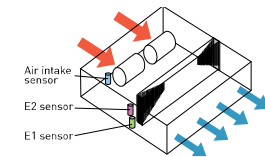
290mm standardised height provides easy and uniform installation for models with different capacities, especially when ceiling heights are restricted.



### Discharge air temperature control

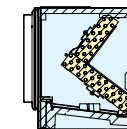
- Possible to control discharge air temperature for accurate room temperature control.
- Possible to reduce cold drafts during heating operation.

\* Before spec-in, please consult with an authorised Panasonic dealer.



### V-shaped heat exchanger

To improve heat exchange efficiency, an original V-shaped heat exchanger was developed incorporating a conventional high-efficiency fan and high-efficiency grooved heat transfer tubes. This increases the heat exchange surface area.



Increases surface area

## Indoor Unit: High Static Pressure Slim-line Ducted

Specifications of R32 Deluxe Model 

Capacity		7.1KW	10.0KW	12.5KW	14.0KW				
Model Name	Indoor Unit	S-71PF1E5B	S-100PF1E5B	S-100PF1E5B	S-125PF1E5B	S-125PF1E5B	S-140PF1E5B	S-140PF1E5B	
	Outdoor Unit	U-71PZH2R5	U-100PZH2R5	U-100PZH2R8	U-125PZH2R5	U-125PZH2R8	U-140PZH2R5	U-140PZH2R8	
Cooling capacity : Heating capacity	kW	7.1 (2.2 - 9.0) 8.0 (2.0 - 9.0)	10.0 (3.1 - 12.5) 11.2 (3.1 - 14.0)	10.0 (3.1 - 12.5) 11.2 (3.1 - 14.0)	12.5 (3.2 - 14.0) 14.0 (3.2 - 16.0)	12.5 (3.2 - 14.0) 14.0 (3.2 - 16.0)	14.0 (3.3 - 16.0) 16.0 (3.3 - 18.0)	14.0 (3.3 - 16.0) 16.0 (3.3 - 18.0)	
	BTU/h	24,200 (6,800 - 30,700) 27,300 (6,800 - 30,700)	34,100 (10,600 - 42,700) 38,200 (10,600 - 47,800)	34,100 (10,600 - 42,700) 38,200 (10,600 - 47,800)	47,800 (10,900 - 47,800) 47,800 (10,900 - 54,600)	47,800 (10,900 - 47,800) 47,800 (10,900 - 54,600)	47,800 (11,300 - 54,600) 54,600 (11,300 - 61,400)	47,800 (11,300 - 54,600) 54,600 (11,300 - 61,400)	
EER : COP	W/W	3.84 : 4.00	4.13 : 4.31	4.13 : 4.31	3.52 : 4.02	3.52 : 4.02	3.26 : 3.65	3.26 : 3.65	
Total power input	Cooling : Heating	kW	1.85 : 2.00	2.42 : 2.60	2.42 : 2.60	3.55 : 3.48	3.55 : 3.48	4.30 : 4.38	4.30 : 4.38
<b>Indoor Unit</b>									
Power source	Phase/Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	
	V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	
Current	Cooling : Heating	A	0.89 : 0.89   0.87 : 0.87	1.30 : 1.34   1.27 : 1.29	1.30 : 1.34   1.27 : 1.29	1.44 : 1.42   1.39 : 1.38	1.44 : 1.42   1.39 : 1.38	1.50 : 1.50   1.47 : 1.46	1.50 : 1.50   1.47 : 1.46
Dimensions	H x W x D	mm	290x1,000x700	290x1,400x700	290x1,400x700	290x1,400x700	290x1,400x700	290x1,400x700	
Net weight		kg	33	45	45	45	45	45	
Air volume	Cooling : Heating	L/s	360 : 350	533 : 533	533 : 533	566 : 566	566 : 566	600 : 600	
External static pressure		Pa	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)	35 / 32 / 26 : 35 / 32 / 26	38 / 34 / 31 : 38 / 34 / 31	38 / 34 / 31 : 38 / 34 / 31	39 / 35 / 32 : 39 / 35 / 32	40 / 36 / 33 : 40 / 36 / 33	40 / 36 / 33 : 40 / 36 / 33	
Sound power level (H/M/L)	Cooling : Heating	dB(A)	57 / 54 / 48 : 57 / 54 / 48	60 / 56 / 53 : 60 / 56 / 53	60 / 56 / 53 : 60 / 56 / 53	61 / 57 / 54 : 61 / 57 / 54	62 / 58 / 55 : 62 / 58 / 55	62 / 58 / 55 : 62 / 58 / 55	
Number of fan speeds			3	3	3	3	3	3	
Drain piping		mm	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25	
<b>Outdoor Unit</b>									
Power source	Phase/Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	3 Phase/ 50Hz	1 Phase/ 50Hz	3 Phase/ 50Hz	1 Phase/ 50Hz	3 Phase/ 50Hz	
	V	230V   240V	230V   240V	400V   415V	230V   240V	400V   415V	230V   240V	400V   415V	
Current	Cooling : Heating	A	8.00 : 8.50   7.65 : 8.25	10.2 : 11.0   9.75 : 10.5	3.40 : 3.70   3.30 : 3.55	15.2 : 14.9   14.6 : 14.3	5.10 : 5.00   4.95 : 4.85	18.8 : 19.0   17.8 : 18.2	6.25 : 6.40   6.05 : 6.15
Dimensions	H x W x D	mm	996 x 940 x 340	1,416 x 940 x 340	1,416 x 940 x 340	1,416 x 940 x 340	1,416 x 940 x 340	1,416 x 940 x 340	
Net weight		kg	68	99	99	99	99	99	
Air volume	Cooling : Heating	L/s	1,017 : 1,000	1,987 : 1,850	2,083 : 1,867	2,083 : 1,867	2,150 : 1,933	2,150 : 1,933	
Sound pressure level	Cooling : Heating	dB(A)	48 (46) : 50 (48)	52 (50) : 52 (50)	53 (51) : 53 (51)	53 (51) : 53 (51)	54 (52) : 54 (52)	54 (52) : 54 (52)	
Sound power level	Cooling : Heating	dB(A)	64 (62) : 65 (64)	68 (66) : 68 (66)	69 (67) : 69 (67)	69 (67) : 69 (67)	70 (68) : 70 (68)	70 (68) : 70 (68)	
Piping connections	Liquid / Gas	mm	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	
Pipe length	min. - max.	m	5 - 80	5 - 85	5 - 85	5 - 85	5 - 85	5 - 85	
Elevation difference (OU located lower, OU located higher)		m	15, 30	15, 30	15, 30	15, 30	15, 30	15, 30	
Maximum chargeless length		m	30	30	30	30	30	30	
Refrigerant at shipping / Additional gas amount		g	R32 1,950 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	
Operation ranges	Cooling : Heating	°C	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24	-15 to 46 : -20 to 24	

Specifications of R32 Compact Model 

Capacity		6.0KW	7.1KW	10.0KW	12.5KW	14.0KW			
Model Name	Indoor Unit	S-60PF1E5B	S-71PF1E5B	S-100PF1E5B	S-100PF1E5B	S-125PF1E5B	S-140PF1E5B	S-140PF1E5B	
	Outdoor Unit	U-60PZ2R5	U-71PZ2R5	U-100PZ2R5	U-100PZ2R8	U-125PZ2R5	U-125PZ2R8	U-140PZ2R5	U-140PZ2R8
Cooling capacity : Heating capacity	kW	6.0 (2.0 - 7.1) 6.0 (1.9 - 7.6)	7.1 (2.0 - 8.0) 7.1 (1.8 - 8.6)	10.0 (3.0 - 11.5) 10.0 (3.0 - 14.0)	10.0 (3.0 - 11.5) 10.0 (3.0 - 14.0)	12.5 (3.2 - 13.5) 12.5 (3.3 - 15.0)	12.5 (3.2 - 13.5) 12.5 (3.3 - 15.0)	14.0 (3.3 - 15.0) 14.0 (3.4 - 16.0)	14.0 (3.3 - 15.0) 14.0 (3.4 - 16.0)
	BTU/h	20,500 (6,800 - 24,200) 20,500 (6,100 - 25,900)	24,200 (6,800 - 27,300) 24,200 (6,100 - 29,900)	34,100 (10,200 - 39,200) 34,100 (10,200 - 47,800)	34,100 (10,200 - 39,200) 34,100 (10,200 - 47,800)	47,800 (10,900 - 46,100) 47,800 (11,300 - 51,200)	47,800 (10,900 - 46,100) 47,800 (11,300 - 51,200)	47,800 (11,300 - 51,200) 47,800 (11,600 - 54,600)	47,800 (11,300 - 51,200) 47,800 (11,600 - 54,600)
EER : COP	W/W	3.80 : 4.51   3.80 : 4.51	3.41 : 4.15   3.41 : 4.15	3.68 : 4.31	3.86 : 4.31	3.52 : 4.02	3.52 : 4.02	3.18 : 3.79	3.18 : 3.79
Total power input	Cooling : Heating	kW	1.58 : 1.33	2.08 : 1.71	2.73 : 2.32	2.73 : 2.32	3.55 : 3.11	4.40 : 3.89	4.40 : 3.89
<b>Indoor Unit</b>									
Power source	Phase/Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	
	V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	230V   240V	
Current	Cooling : Heating	A	0.89 : 0.89   0.87 : 0.87	0.89 : 0.89   0.87 : 0.87	1.30 : 1.34   1.27 : 1.29	1.30 : 1.34   1.27 : 1.29	1.44 : 1.42   1.39 : 1.38	1.50 : 1.50   1.47 : 1.46	1.50 : 1.50   1.47 : 1.46
Dimensions	H x W x D	mm	290x1,000x700	290x1,000x700	290x1,400x700	290x1,400x700	290x1,400x700	290x1,400x700	
Net weight		kg	33	33	45	45	45	45	
Air volume	Cooling : Heating	L/s	350 : 350	350 : 350	533 : 533	533 : 533	566 : 566	600 : 600	
External static pressure		Pa	70 (10 - 150)	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)	35 / 32 / 26 : 35 / 32 / 26	35 / 32 / 26 : 35 / 32 / 26	38 / 34 / 31 : 38 / 34 / 31	38 / 34 / 31 : 38 / 34 / 31	39 / 35 / 32 : 39 / 35 / 32	40 / 36 / 33 : 40 / 36 / 33	
Sound power level (H/M/L)	Cooling : Heating	dB(A)	57 / 54 / 48 : 57 / 54 / 48	57 / 54 / 48 : 57 / 54 / 48	60 / 56 / 53 : 60 / 56 / 53	60 / 56 / 53 : 60 / 56 / 53	61 / 57 / 54 : 61 / 57 / 54	62 / 58 / 55 : 62 / 58 / 55	
Number of fan speeds			3	3	3	3	3	3	
Drain piping		mm	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25	
<b>Outdoor Unit</b>									
Power source	Phase/Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	1 Phase/ 50Hz	3 Phase/ 50Hz	1 Phase/ 50Hz	3 Phase/ 50Hz	1 Phase/ 50Hz	
	V	230V   240V	230V   240V	230V   240V	400V   415V	230V   240V	400V   415V	230V   240V	
Current	Cooling : Heating	A	7.05 : 5.85   6.75 : 5.60	9.35 : 7.70   8.35 : 7.35	11.6 : 9.70   11.1 : 9.30	3.95 : 3.30   3.80 : 3.20	15.5 : 13.4   14.8 : 12.3	5.10 : 4.45   4.95 : 4.30	6.40 : 5.30   6.15 : 5.15
Dimensions	H x W x D	mm	695 x 675 x 320	695 x 675 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	
Net weight		kg	44	44	90	90	94	94	
Air volume	Cooling : Heating	L/s	750 : 750	967 : 750	1,285 : 1,169	1,285 : 1,169	1,436 : 1,302	1,486 : 1,386	
Sound pressure level	Cooling : Heating	dB(A)	48 (44) : 48 (46)	49 (47) : 49 (47)	52 (50) : 52 (50)	55 (53) : 55 (53)	55 (53) : 55 (53)	56 (54) : 56 (54)	
Sound power level	Cooling : Heating	dB(A)	65 (63) : 66 (64)	67 (65) : 67 (65)	68 (66) : 67 (65)	70 (68) : 70 (68)	71 (69) : 70 (68)	71 (69) : 71 (69)	
Piping connections	Liquid / Gas	mm	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	
Pipe length	min. - max.	m	3 - 40	3 - 40	5 - 50	5 - 50	5 - 50	5 - 50	
Elevation difference (OU located lower, OU located higher)		m	15, 30	15, 30	15, 30	15, 30	15, 30	15, 30	
Maximum chargeless length		m	30	30	30	30	30	30	
Refrigerant at shipping / Additional gas amount		g	R32 1,450 / 35 (g/m)	R32 1,450 / 35 (g/m)	R32 2,600 / 45 (g/m)	R32 2,600 / 45 (g/m)	R32 2,980 / 45 (g/m)	R32 2,980 / 45 (g/m)	
Operation ranges	Cooling : Heating	°C	-10 to 43 : -15 to 24	-10 to 43 : -15 to 24	-10 to 43 : -15 to 24	-10 to 43 : -15 to 24	-10 to 43 : -15 to 24	-10 to 43 : -15 to 24	

Notes:

The Rated Capacity, Power Input and Running Current are measured in accordance with AS/NZS 3823

• Cooling: Indoor temperature: 27 °C DB/ 19 °C WB, Outdoor temperature: 35 °C DB/ 24 °C WB

• Heating: Indoor temperature: 20 °C DB/ 15 °C WB, Outdoor temperature: 7 °C DB/ 6 °C WB