

Indoor Unit: High Static Pressure Ducted

High Static Pressure Duct R32 Deluxe model

Capacity			7.1kW	10.0kW	12.5kW	14.0kW	16.0kW
Model Name	Indoor Unit		S-71PE4R	S-100PE4R	S-100PE4R	S-125PE4R	S-140PE4R
	Outdoor Unit		U-71PZH3R5	U-100PZH3R5	U-100PZH3R8	U-125PZH3R5	U-125PZH3R8
Cooling capacity : Heating capacity	kW		7.1 (2.2 ~ 9.0) 8.0 (2.05 ~ 9.0)	10.0 (3.1 ~ 12.5) 12.5 (3.8 ~ 14.0)	10.0 (3.1 ~ 12.5) 12.5 (3.8 ~ 14.0)	12.5 (3.2 ~ 14.0) 14.0 (3.6 ~ 16.0)	14.0 (3.3 ~ 16.0) 16.0 (3.3 ~ 18.0)
		BTU/h	24,200 (7,500 ~ 30,700) 27,300 (7,000 ~ 30,700)	34,100 (10,600 ~ 42,700) 42,700 (12,800 ~ 47,800)	34,100 (10,600 ~ 42,700) 42,700 (12,800 ~ 47,800)	42,700 (10,900 ~ 47,800) 47,800 (12,300 ~ 54,600)	47,800 (11,300 ~ 54,600) 54,600 (11,300 ~ 61,400)
EER : COP	W/W		3.55 : 4.17	3.79 : 3.99	3.79 : 3.99	3.79 : 4.24	3.37 : 4.10
COP@H2 condition	W/W		4.08	3.93	3.93	4.16	4.04
Total power input	Cooling : Heating	kW	2.00 : 1.92	2.64 : 3.13	2.64 : 3.10	3.30 : 3.30	4.15 : 3.90
		Hot Climate	5.33 : 5.13	5.26 : 5.35	5.26 : 5.35	5.53 : 5.47	5.53 : 5.47
	Residential	Average Climate	4.66 : 4.51	4.70 : 4.50	4.70 : 4.50	4.93 : 4.69	4.93 : 4.69
		Cold Climate	4.77 : 4.02	4.78 : 3.95	4.78 : 3.95	5.04 : 4.18	5.04 : 4.18
	Commercial	Hot Climate	6.09 : 5.15	5.77 : 5.43	5.77 : 5.43	6.14 : 5.55	6.14 : 5.55
		Average Climate	6.21 : 4.80	5.96 : 4.95	5.96 : 4.95	6.46 : 5.12	6.46 : 5.12
Indoor Unit			6.86 : 4.35	6.40 : 4.40	6.40 : 4.40	7.00 : 4.60	
Power source		Phase/Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz
Current (rated)	Cooling : Heating	V	230V 240V	230V 240V	230V 240V	230V 240V	230V 240V
Dimension	H x W x D	Indoor	mm	300 X 1,297 X 877	300 X 1,297 X 877	400 X 1,297 X 949	400 X 1,297 X 949
Net weight		Indoor	kg	51	51	61	61
Air volume (H/M/L)	Cooling : Heating	L/s	500 / 433 / 366 : 500 / 433 / 366	700 / 566 / 483 : 700 / 566 / 483	700 / 566 / 483 : 700 / 566 / 483	833 / 766 / 600 : 833 / 766 / 600	1,000 / 833 / 700 : 1,000 / 833 / 700
External static pressure		Pa	80 (10 ~ 150)	80 (10 ~ 150)	80 (10 ~ 150)	80 (10 ~ 150)	80 (50 ~ 150)
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)	43 / 39 / 35 : 43 / 39 / 35	42 / 37 / 34 : 42 / 37 / 34	42 / 37 / 34 : 42 / 37 / 34	42 / 39 / 34 : 42 / 39 / 34	45 / 41 / 37 : 45 / 41 / 37
Sound power level (H/M/L)	Cooling : Heating	dB	69 / 65 / 61 : 69 / 65 / 61	68 / 63 / 60 : 68 / 63 / 60	68 / 63 / 60 : 68 / 63 / 60	68 / 65 / 60 : 68 / 65 / 60	71 / 67 / 63 : 71 / 67 / 63
Number of fan speeds			5	5	5	5	5
Drain piping		mm	VP-25	VP-25	VP-25	VP-25	VP-25
Outdoor Unit							
Power source		Phase/Hz	1 Phase / 50Hz	1 Phase / 50Hz	3 Phase / 50Hz	1 Phase / 50Hz	3 Phase / 50Hz
		V	230V 240V	230V 240V	400V 415V	230V 240V	230V 240V
Current (rated)	Cooling : Heating	A	9.65 : 9.30 9.35 : 9.00	12.5 : 14.8 12.0 : 14.2	4.20 : 4.95 4.05 : 4.80	5.05 : 5.05 4.90 : 4.90	19.8 : 18.6 19.0 : 17.9
Dimension	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
Net weight		kg	66	99	99	99	99
Air volume	Cooling : Heating	L/s	1,016 : 1,000	1,966 : 1,800	1,966 : 1,800	2,083 : 1,866	2,150 : 1,933
Sound pressure level (H)	Cooling : Heating	dB(A)	48 : 50	52 : 52	52 : 52	53 : 53	54 : 54
Sound power level (H)	Cooling : Heating	dB	64 : 66	68 : 68	68 : 68	69 : 69	70 : 70
Piping connections	Liquid / Gas	mm	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
Pipe length range	min. - max.	m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85	5 ~ 100
Elevation difference (OU located lower, OU located higher)		m	15, 30	15, 30	15, 30	15, 30	30, 30
Maximum chargeless length		m	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)
Operating range	Cooling : Heating	°C	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24

Specifications of R32 Compact Model

Capacity			6.0kW	7.1kW	10.0kW	12.5kW	14.0kW		
Model Name	Indoor Unit		S-60PE4R	S-71PE4R	S-100PE4R	S-100PE4R	S-125PE4R	S-140PE4R	S-140PE4R
	Outdoor Unit		U-60PZ4R5	U-71PZ4R5	U-100PZ4R5	U-100PZ4R8	U-125PZ4R5	U-140PZ4R5	U-140PZ4R8
Cooling capacity : Heating capacity	kW		6.0 (2.0 - 7.1) 6.0 (1.8 - 7.0)	7.1 (2.6 - 7.7) 7.1 (2.05 - 8.1)	9.5 (3.0 - 11.0) 10.0 (2.7 - 12.0)	10.0 (2.8 - 11.5) 10.0 (3.2 - 14.0)	12.5 (3.2 - 13.5) 12.5 (3.3 - 15.0)	14.0 (3.3 - 15.0) 14.0 (3.5 - 16.0)	14.0 (3.3 - 15.0) 14.0 (3.5 - 16.0)
		BTU/h	20,500 (6,800 - 24,200) 20,500 (6,100 - 23,900)	24,200 (8,900 - 26,300) 24,200 (7,000 - 27,600)	32,400 (10,200 - 37,500) 34,100 (9,200 - 40,900)	34,100 (9,600 - 39,200) 42,700 (10,900 - 47,800)	42,700 (10,900 - 46,100) 42,700 (11,300 - 51,200)	47,800 (11,300 - 51,200) 47,800 (11,800 - 54,600)	47,800 (11,300 - 51,200) 47,800 (11,800 - 54,600)
EER : COP	W/W		3.26 : 4.23	3.26 : 4.25	3.17 : 3.57	3.45 : 4.08	3.55 : 4.31	3.75 : 3.98	3.75 : 3.98
COP@H2 condition	W/W		4.12	4.16	3.51	4.00	4.22	3.91	3.91
Total power input	Cooling : Heating	kW	1.84 : 1.42	2.18 : 1.67	3.00 : 2.80	2.90 : 2.45	3.52 : 2.90	4.31 : 3.52	4.31 : 3.52
TCSPF : HSPF	Residential	Hot Climate	4.76 : 5.20	4.55 : 5.11	4.55 : 4.69	5.02 : 4.99	5.05 : 5.12	4.48 : 4.75	4.48 : 4.75
		Average Climate	4.26 : 4.51	4.12 : 4.48	4.09 : 3.98	4.49 : 4.40	4.54 : 4.56	4.12 : 4.23	4.12 : 4.23
		Cold Climate	4.34 : 3.91	4.20 : 3.87	4.20 : 3.50	4.61 : 3.99	4.63 : 4.09	4.20 : 3.77	4.20 : 3.77
	Commercial	Hot Climate	5.26 : 5.22	4.98 : 5.11	5.00 : 4.76	5.56 : 5.01	5.56 : 5.13	4.87 : 4.75	4.87 : 4.75
		Average Climate	5.65 : 4.83	5.21 : 4.75	5.19 : 4.37	5.76 : 4.68	5.86 : 4.81	5.20 : 4.45	5.20 : 4.45
		Cold Climate	6.09 : 4.29	5.59 : 4.22	5.60 : 3.89	6.25 : 4.30	6.32 : 4.40	5.58 : 4.06	5.58 : 4.06
Indoor Unit									
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
Dimensions	H × W × D	Indoor	mm	300 x 1,297 x 877	300 x 1,297 x 877	300 x 1,297 x 877	400 x 1,297 x 949	400 x 1,297 x 949	400 x 1,297 x 949
Net weight		Indoor / Panel	kg	51	51	51	61	61	61
Air volume (H/M/L)	Cooling : Heating	L/s	366 / 333 / 266 : 366 / 333 / 266	500 / 433 / 366 : 500 / 433 / 366	700 / 566 / 483 : 700 / 566 / 483	700 / 566 / 483 : 700 / 566 / 483	833 / 766 / 600 : 833 / 766 / 600	1,000 / 833 / 700 : 1,000 / 833 / 700	1,000 / 833 / 700 : 1,000 / 833 / 700
External static pressure		Pa	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (10 - 150)	80 (50 - 150)	80 (50 - 150)
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)	38 / 36 / 32 : 38 / 36 / 32	43 / 39 / 35 : 43 / 39 / 35	42 / 37 / 34 : 42 / 37 / 34	42 / 37 / 34 : 42 / 37 / 34	42 / 39 / 34 : 42 / 39 / 34	45 / 41 / 37 : 45 / 41 / 37	45 / 41 / 37 : 45 / 41 / 37
Sound power level (H/M/L)	Cooling : Heating	dB	64 / 62 / 58 : 64 / 62 / 58	69 / 65 / 61 : 69 / 65 / 61	68 / 63 / 60 : 68 / 63 / 60	68 / 63 / 60 : 68 / 63 / 60	68 / 65 / 60 : 68 / 65 / 60	71 / 67 / 63 : 71 / 67 / 63	71 / 67 / 63 : 71 / 67 / 63
Number of fan speeds			5	5	5	5	5	5	5
Drain piping		mm	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25	VP-25
Outdoor Unit									
Power source		Phase/Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	3 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz	1 Phase / 50Hz
		V	230V 240V	230V 240V	230V 240V	400V 415V	230V 240V	230V 240V	400V 415V
Current (rated)	Cooling : Heating	A	8.10 : 6.30 7.75 : 6.05	9.55 : 7.35 9.20 : 7.05	13.2 : 12.3 12.6 : 11.8	4.60 : 39.0 4.45 : 3.75	17.3 : 14.0 16.3 : 13.4	5.40 : 4.45 5.20 : 4.30	6.60 : 5.40 6.40 : 5.20
Dimensions	H × W × D	mm	619 x 824 x 299	695 x 875 x 320	795 x 875 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	35	45	55	80	83	83	82
Air volume	Cooling : Heating	L/s	566 : 550	750 : 766	933 : 883	1,216 : 1,216	1,366 : 1,333	1,400 : 1,366	1,400 : 1,366
Sound pressure level (H)	Cooling : Heating	dB(A)	47 : 47	47 : 49	54 : 54	52 : 52	55 : 55	56 : 56	56 : 56
Sound power level (H)	Cooling : Heating	dB	65 : 65	65 : 67	72 : 72	70 : 70	73 : 73	74 : 74	74 : 74
Piping connections	Liquid / Gas	mm	Ø6.35 (1/4) / Ø12.70 (1/2)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
Pipe length range	min. - max.	m	3 - 30	3 - 30	3 - 30	5 - 50	5 - 50	5 - 50	5 - 50
Elevation difference (OU located lower, OU located higher)		m	15, 15	20, 20	20, 20	15, 30	15, 30	15, 30	15, 30
Maximum chargeless length		m	10	10	10	30	30	30	30
Refrigerant at shipping, Additional gas amount		g	R32 1,220 / 15 (g/m)	R32 1,350 / 25 (g/m)	R32 1,930 / 25 (g/m)	R32 2,400 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)
Operating range	Cooling : Heating	°C	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24

- Notes:
- In the case of nance X OFF
 - In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
 - AEER and ACOP classification is at 230V(400V) only in accordance with GEMS2019.
 - TCSPF, HSPF and Total Energy consumption indicate the value of average temperature zone.
 - Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions.

Indoor Unit

High Static Pressure

Splittable Ducted

High static and large airflow ducted for exceptional installation flexibility.

nanoe™X
Generator Mark3
nanoe™ X as a standard



S-180PE4R
S-200PE4R
S-224PE4R



CZ-RTC6WBL*1 CZ-RTC6WZ2*1*2 CZ-RTC5B CZ-RTC4A CZ-CAPWFC2
CZ-RTC6WBLW2*1

*1 Black models are also available.
*2 Zone Controller for residential use.
Note: Product image not to scale.

- Self-diagnosing Function
- Automatic Fan Operation
- DRY
- Automatic Restart Function
- DC Motor

Technical focus

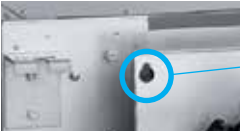
- Easy installation with splittable chassis design
- Max. 200Pa static pressure setting*1
- Design flexibility thanks to high static pressure and large air volume
- DC motor equipped
- Low power input
- Accurate temperature control to reduce cold drafts during operation
- Configurable air temperature control

*1 In case of S-224PE4R

New Ducted Model Key Factors

Bell Shaped Keyhole for Weight Support

Part of the keyhole is newly designed with a bell shape to reduce the burden of installation. It also enables temporary attachment.



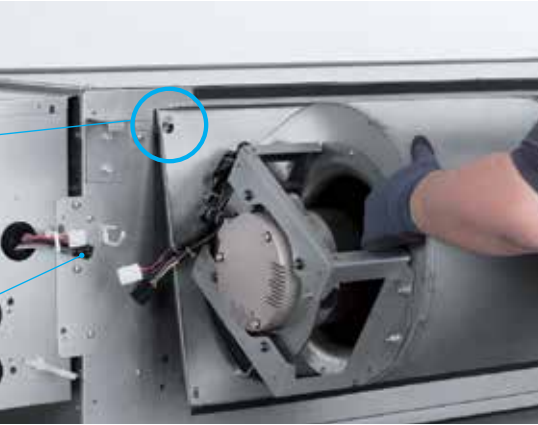
2 Wire Connectors for Easy Installation

With only 2 wire connectors, installation has become much easier and faster.



12 Bolts & Screws for Easy Assembly

Only 12 screws and bolts need to be attached, allowing for a shorter installation time.



Easy Assembly Steps

Assembly takes three easy steps, even in limited spaces.



- 1 Install the fan to the heat exchanger and tighten the screws and bolts.
- 2 Assemble the connectors.
- 3 Install the chassis and tighten the screws and bolts.



Note: Above images are for the 22.4kW model.

Specifications of R32 Deluxe Model

Capacity			18.0kW		20.0kW		22.4kW			
Model Name	Indoor Unit		S-180PE4R		S-180PE4R		S-200PE4R		S-224PE4R	
	Outdoor Unit		U-180PZH3R5		U-180PZH3R8		U-200PZH3R8		U-224PZH3R8	
Cooling Capacity : Heating Capacity		kW	18.0 (5.5-20.0) 20.0 (5.5-22.4)		18.0 (5.5-20.0) 20.0 (5.5-22.4)		20.0 (5.7-22.4) 22.4 (5.0-25.0)		22.4 (5.7-25.0) 25.0 (4.9-28.0)	
		BTU/h	61,400 (18,800-68,200) 68,200 (18,800-76,400)		61,400 (18,800-68,200) 68,200 (18,800-76,400)		68,200 (19,400-76,400) 76,400 (17,100-85,300)		76,400 (19,400-85,300) 85,300 (16,700-95,500)	
EER : COP		W/W	3.20 : 3.75		3.20 : 3.75		3.33 : 3.67		3.09 : 3.52	
COP@H2 condition		W/W	2.9		2.9		2.7		2.6	
Total power input	Cooling : Heating	kW	5.63 : 5.33		5.63 : 5.33		6.00 : 6.10		7.24 : 7.10	
TCSPF : HSPF	Residential	Hot Climate	4.33 : 4.95		4.33 : 4.95		4.33 : 4.42		4.00 : 4.55	
		Average Climate	3.93 : 4.24		3.93 : 4.24		3.97 : 3.90		3.69 : 3.87	
		Cold Climate	4.03 : 3.72		4.03 : 3.72		4.05 : 3.45		3.79 : 3.38	
	Commercial	Hot Climate	4.73 : 4.99		4.73 : 4.99		4.65 : 4.44		4.27 : 4.68	
		Average Climate	4.76 : 4.58		4.76 : 4.58		4.71 : 4.14		4.31 : 4.29	
		Cold Climate	5.12 : 4.10		5.12 : 4.10		5.01 : 3.74		4.57 : 3.78	
Indoor Unit										
Power source		Phase/Hz	1 Phase / 50Hz		1 Phase / 50Hz		1 Phase/ 50Hz		1 Phase / 50Hz	
		V	230V 240V		230V 240V		230V 240V		230V 240V	
Current (rated)	Cooling : Heating		3.30 : 3.30 3.20 : 3.20		3.30 : 3.30 3.20 : 3.20		3.40 : 3.40 3.30 : 3.30		4.20 : 4.20 4.10 : 4.10	
Dimension	H x W x D	Indoor	mm 486 x 1456 x 916		486 x 1456 x 916		486 x 1456 x 916		486 x 1,456 x 916	
Net Weight		Indoor	kg 82		82		83		87	
Air volume (H/M/L)	Cooling : Heating	L/s	1,202 / 1,052 / 885 : 1,202 / 1,052 / 885		1,202 / 1,052 / 885 : 1,202 / 1,052 / 885		1,202 / 1,052 / 885 : 1,202 / 1,052 / 885		1,402 / 1,202 / 985 : 1,402 / 1,202 / 985	
External static pressure		Pa	60 (100 / 150)		60 (100 / 150)		75 (120 / 180)		75 (130 / 200)	
Sound Pressure Level (H/M/L)	Cooling : Heating	dB(A)	46 / 44 / 41 : 46 / 44 / 41		46 / 44 / 41 : 46 / 44 / 41		46 / 44 / 41 : 46 / 44 / 41		47 / 45 / 42 : 47 / 45 / 42	
Sound Power Level (H/M/L)	Cooling : Heating	dB	78 / 76 / 73 : 78 / 76 / 73		78 / 76 / 73 : 78 / 76 / 73		78 / 76 / 73 : 78 / 76 / 73		79 / 77 / 74 : 79 / 77 / 74	
Number of fan speeds			3		3		3		3	
Drain piping		mm	VP-25		VP-25		VP-25		VP-25	
Outdoor										
Power source		Phase/Hz	1 Phase / 50Hz		3 Phase / 50Hz		3 Phase / 50Hz		3 Phase / 50Hz	
		V	230V 240V		400V 415V		400V 415V		400V 415V	
Current (rated)	Cooling : Heating	A	23.3 : 21.9 22.3 : 21.0		8.00 : 7.50 7.70 : 7.25		8.45 : 8.60 8.15 : 8.30		9.95 : 9.75 9.60 : 9.40	
Dimension	H x W x D	mm	1,500 x 980 x 370		1,500 x 980 x 370		1,500 x 980 x 370		1,500 x 980 x 370	
Net weight		kg	117		115		127		127	
Air volume	Cooling : Heating	L/s	2,738 : 2,738		2,738 : 2,738		2,672 : 2,672		2,672 : 2,672	
Sound Pressure Level (Silent mode)	Cooling : Heating	dB(A)	58 : 60		58 : 60		58 : 62		58 : 62	
Sound Power Level (Silent mode)	Cooling : Heating	dB	76 : 78		76 : 78		77 : 81		77 : 81	
Piping Connection	Liquid / Gas	mm	Ø9.52 / Ø19.05		Ø9.52 / Ø19.05		Ø12.7 / Ø19.05		Ø12.7 / Ø19.05	
Pipe Length range	min. - max.	m	5 - 100		5 - 100		5 - 100		5 - 100	
Elevation Difference (OU located lower, OU located higher)		m	30, 30		30, 30		30, 30		30, 30	
Maximum Chargeless length		m	30		30		30		30	
Refrigerant at shipping / Additional gas amount		g	R32 3,400 / 76.0 (g/m)		R32 3,400 / 76.0 (g/m)		R32 5,200 / 108.0 (g/m)		R32 5,200 / 80 (g/m)	
Operation Ranges	Cooling : Heating	°C	-15 to 46 : -20 to 24		-15 to 52 : -20 to 24		-15 to 52 : -20 to 24		-15 to 46 : -20 to 24	

- Notes:
- In the case of nanoe X OFF
 - In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
 - AER and ACOP classification is at 230V(400V) only in accordance with GEMS2019.
 - TCSPF, HSPF and Total Energy consumption indicate the value of average temperature zone.
 - Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions
- *1 For U-160PZH3R8 *2 For U-180PZH3R8