Panasonic (< GENERAL INDEX)

YKEA series for server rooms

High efficiency products for 24/7 applications. Panasonic has developed a complete range of solutions for server rooms which efficiently protect your servers, keeping them at an appropriate temperature even when the outdoor temperature is below -25 °C.



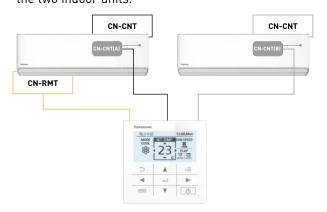


Designed for 24h/7d a week operation

High efficiency all year round. This wall-mounted air conditioner is designed for professional, critical applications such as computer rooms where reliable cooling inside the room is necessary even with extreme ambient conditions.

Remote controller for better usability

Wired remote controller, which can assure the operation 24/7 of two server room units, thanks to the integrated duty rotation mode. This function manages rotation and backup of two units and it is available when connecting an optional CN-CNT cable (CZ-RCC5) between the controller and each of the two indoor units.



Not compatible with PACi NX outdoors and accessories. Domestic range sales conditions may apply. Check with your sales representative.

Highest energy rating in cooling

The SEER and SCOP of the Server room unit has been further improved to achieve top class energy efficiency. The 3,5 kW unit reaches now the SEER value of 9,6 (A+++).

Built-in Wi-Fi and compatible with Voice Assistant

The unit is ready to connect to the internet and to be controlled by smartphone with Panasonic Comfort Cloud App. Control, monitor energy consumption statistics and easily identify errors in case of failure.



Wall-mounted Professional -25 °C · R32

- · Designed for 24h/7d a week operation
- · Wired remote controller, with optional duty rotation mode
- · Improved SEER / SCOP to achieve top class energy efficiency
- · Aerowings 2.0, for a better control of the airflow
- · Built-in Wi-Fi for smart control via Panasonic Comfort Cloud App
- · Compatible with Google Assistant and Amazon Alexa
- · Chassis and parts designed for easier installation









EER " Nominal (Min-Max) W/W 4,9014,72-3,78l 4,124,72-3,68l 3,8214,72-3,25l 3,6813,92-3,16l 3,2312,33-2,83l SEER "I 9,5 A+++ 7,6 A+++ 7,6 A+++ 8,6 A+++ 8,6 A+++ 6,5 A++ Deesign kW 2,50 3,50 4,20 5,00 7,10 Input power Nominal (Min-Max) kW 0,510,18-0,88l 0,851,18-1,14l 1,101,18-1,54l 1,361,625-1,190 2,201,042-3,00l Heating capacity Nominal (Min-Max) kW 3,401,85-5,00l 4,001,85-5,80l 5,301,08-6,80l 5,801,99-8,00l 8,201,99-10,20l Heating capacity at -7 "C kW 3,401,85-5,00l 4,010,85-5,80l 5,301,08-5,80l 5,801,99-8,00l 8,201,99-10,20l Heating capacity at -7 "C Nominal (Min-Max) kW 3,401,82-3,39l 4,441,72-3,39l 3,31,22-3,34l 4,41-4 4,80 6,31 COP" Nominal (Min-Max) kW 3,401,82-3,39l 4,424,472-3,39l 3,31,21,22-3,23l 3,214,24-3,29l 2,211,44-3,23l 3,221,24-3,22l 4,22 5,50 4,22	Kit			KIT-Z25-YKEA	KIT-Z35-YKEA	KIT-Z42-YKEA	KIT-Z50-YKEA	KIT-Z71-YKEA
SEER® KW 9,6 A++ 9,6 A++ 8,6 A+++ 6,6 A+- Polesign Nominal (Min-Max) kW 2,50 3,50 4,20 5,00 7,10 Input power Nominal (Min-Max) kW 0,510,10,18-0,881 0,810,18-1,141 1,100,18-1,154 1,36(0,25-1,90) 2,2010,42-3,001 Annual energy consumption ** kWM 3,010,88-5,001 4,010,88-5,801 5,801,98-8,100) 8,010,98-1,001 3,80 8,20(0,98-1,00) 4,201 4,201 4,201 4,201 4,201 4,201 4,201 4,201 4,201 4,201 4,202 4,201 4,201 4,201 4,202 4,202 4,202 4,202 4,202 5,50 1,202 4,202 5,50 1,202 2,201 4,202 5,50 1,202 2,202 3,50 4,202 5,50 1,202 2,203 3,50 4,202 5,50 1,202 2,202 2,20 3,50 4,202 5,50 1,202 2,202 2,20 3,50 4,202 2,20 2,20	Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,50)	3,50 (0,85 - 4,20)	4,20 (0,85 - 5,00)	5,00 (0,98 - 6,00)	7,10 (0,98 - 8,50)
SEER® KW 2,5 A+++ 9,6 A+++ 8,6 A+++ 8,6 A+- 6,5 A+ Pdesign Nominal (Min-Max) kW 2,50 3,50 4,20 5,00 7,10 Input power Nominal (Min-Max) kW 0,510,18-18-88 0,851,18-11,14 1,100,18-15,14 3,36,02-1-90 2,2016,42-3,001 Annual energy consumption ** kWM 3,400,88-5,001 6,000,88-5,801 8,000,98-8,000 8,200,98-10,001 3,20 1,20 2,20 4,20 3,20 8,20,098-10,001 8,20 9,20,112,45-3,27 4,414,72-3,871 3,734,72-3,66 4,614,64-4 4,14 <	EER 1)	Nominal (Min - Max)	W/W	4,90 (4,72 - 3,98)	4,12(4,72-3,68)	3,82 (4,72 - 3,25)	3,68(3,92-3,16)	3,23 (2,33 - 2,83)
Input power Nominal (Min-Max) KW 0,51 (0,18-0,88) 0,85 (0,18-1,14) 1,10 (0,18-1,54) 1,36 (0,25-1,90) 2,20 (0,42-3,00) 30 (20 (0,42-3,00)	SEER 2)	<u> </u>						
Annual energy consumption	Pdesign		kW	2,50	3,50	4,20	5,00	7,10
Heating capacity Nominal (Min-Max) Nomin	Input power	Nominal (Min - Max)	kW	0,51 (0,18 - 0,88)	0,85 (0,18 - 1,14)	1,10 (0,18 - 1,54)	1,36 (0,25 - 1,90)	2,20 (0,42 - 3,00)
Heating capacity at -7 °C KW 3,05 3,40 4,11 4,80 6,31	Annual energy consumption 3		kWh/a	92	128	171	203	382
COP ³¹ Nominal (Min - Max) W/W 4,8614,72-3,971 4,44(4,72-3,871) 3,93(4,72-3,66) 4,08 (4,26-3,35) 3,71(2,45-3,29) SCOP ³² KW 2,70 3,20 3,60 4,6 A++ 4,5 A+ 4,6 A++ 4,1 A+ Pdesign at 10 °C kW 2,70 3,20 3,60 4,20 5,50 Input power Nominal (Min - Max) kW 0,70(p1,81-1,26) 0,90(p1,81-1,50) 1,35(p1,81-1,86) 1,42(p,23-2,39) 2,21(p,40-3,10) Annual energy consumption ³¹ KW/h/a 822 974 1120 1278 1878 Indoor unit CS-258YKEA CS-258YKEA CS-259YKEA CS-259YKEA <th< td=""><td>Heating capacity</td><td>Nominal (Min - Max)</td><td>kW</td><td>3,40 (0,85 - 5,00)</td><td>4,00 (0,85 - 5,80)</td><td>5,30 (0,85 - 6,80)</td><td>5,80 (0,98 - 8,00)</td><td>8,20 (0,98 - 10,20)</td></th<>	Heating capacity	Nominal (Min - Max)	kW	3,40 (0,85 - 5,00)	4,00 (0,85 - 5,80)	5,30 (0,85 - 6,80)	5,80 (0,98 - 8,00)	8,20 (0,98 - 10,20)
SCOP ³¹ KW 2,70 3,20 3,50 4,6 A++ 4,1 A+ Pdesign at -10 °C Nominal (Min-Max) kW 0,70 3,20 3,60 4,20 5,50 Input power Nominal (Min-Max) kW 0,70(a)18-12 0,70(a)18-150 1,516(a)18-186 1,2(a)2,3-239 2,210(a,0-3,10) Annual energy consumption ³¹ kWh/a 822 974 1120 1278 1878 Indoor unit C C5-255YKEA C5-227KEA C5-227KEA <td>Heating capacity at -7 °C</td> <td></td> <td>kW</td> <td>3,05</td> <td>3,40</td> <td>4,11</td> <td>4,80</td> <td>6,31</td>	Heating capacity at -7 °C		kW	3,05	3,40	4,11	4,80	6,31
Padesign at -10 °C	COP 1)	Nominal (Min - Max)	W/W	4,86 (4,72 - 3,97)	4,44 (4,72 - 3,87)	3,93 (4,72 - 3,66)	4,08 (4,26 - 3,35)	3,71 (2,45 - 3,29)
Input power Nominal (Min-Max) KW 0,70 (0,18-1,26) 0,90 (0,18-1,50) 1,35 (0,18-1,86) 1,42 (0,23-2,39) 2,21 (0,40-3,10) Annual energy consumption KWh 822 974 1120 1278 1878 Indoor unit Co-225YKEA CS-235YKEA CS-242YKEA CS-250YKEA CS-271YKEA Power supply V 230 230 230 230 230 230 Recommended fuse A 16 16 16 16 20 Connection indoor / outdoor mm' 4x1,5 4x1,5 4x1,5 4x2,5 4x2,5 Afrifow Cool / Heat mm'/min 11,4/13,8 12,7/14,8 13,2/15,2 17,4/19,1 19,0/19,9 Moisture removal volume L/h 1,5 2,0 2,4 2,8 4,1 Sound pressure Cool (Hir) Lo /O-Lo) dBIA 39/25/21 42/28/21 43/32/29 44/37/30 47/38/35 Sound power Cool / Heat (Hil) dBIA 39/25/21 42/28/21 43/32/29 44/37/30 47/38/35 Sound power Cool / Heat (Hil) dBIA 55/57 58/59 59/60 60/60 63/63 Dimension HxWXD mm 295x870x229 295x870x229 295x870x229 295x870x229 295x870x229 295x870x229 Dimension HxWXD mm 276x872K6 CU-235YKEA CU-245YKEA CU-250YKEA CU-271YKEA Air flow Cool / Heat (Hil) dBIA 46/48 48/50 48/51 48/50 52/54 Sound pressure Cool / Heat (Hil) dBIA 46/48 48/50 48/51 48/50 52/54 Sound pressure Cool / Heat (Hil) dBIA 46/48 48/50 48/51 48/50 52/54 Sound pressure Cool / Heat (Hil) dBIA 46/48 48/50 48/51 48/50 52/54 Sound pressure Cool / Heat (Hil) dBIA 46/48 48/50 48/51 48/50 52/54 Sound pressure Cool / Heat (Hil) dBIA 46/48 48/50 48/51 48/50 52/54 Sound pressure Cool / Heat (Hil) dBIA 46/48 48/50 48/51 48/50 52/54 Sound pressure Cool / Heat (Hil) dBIA 46/48 48/50 48/51 48/50 52/54 Sound pressure Cool / Heat (Hil) dBIA 46/48 48/50 48/51 48/50 52/54 Sound pressure Cool / Heat (Hil) dBIA 46/48 48/50 48/51 48/50 52/54 Sound pressure Cool / Heat (Hil) dBIA 46/48 48/50 48/51 48/50 48/51 48/50 52/54 Sound pr	SCOP 2)			4,6 A++	4,6 A++	4,5 A+	4,6 A++	4,1 A+
Annual energy consumption	Pdesign at -10 °C		kW	2,70	3,20	3,60	4,20	5,50
CS-Z25YKEA CS-Z25YKEA CS-Z25YKEA CS-Z25YKEA CS-Z5YKEA	Input power	Nominal (Min - Max)	kW	0,70 (0,18 - 1,26)	0,90 (0,18 - 1,50)	1,35 (0,18 - 1,86)	1,42(0,23-2,39)	2,21 (0,40 - 3,10)
Power supply	Annual energy consumption 3		kWh/a	822	974	1120	1278	1878
Recommended fuse	Indoor unit			CS-Z25YKEA	CS-Z35YKEA	CS-Z42YKEA	CS-Z50YKEA	CS-Z71YKEA
Connection indoor / outdoor mm² 4x1,5 4x1,5 4x1,5 4x1,5 4x2,5 4x2,5 4x2,5 Air flow Cool / Heat m²/min 11,4/13,8 12,7/14,8 13,2/15,2 17,4/19,1 19,0/19,9 Moisture removal volume L/h 1,5 2,0 2,4 2,8 4,1 Sound pressure ⁴ Cool (Hi/Lo/O-Lo) dBlAl 34/27/22 42/28/21 43/32/29 44/37/30 47/38/35 Sound power Cool / Heat (Hi) dBlAl 41/27/22 43/30/22 44/35/29 44/37/30 47/38/35 Sound power Cool / Heat (Hi) dBlAl 55/57 58/59 59/60 60/60 63/63 Dimension H xWx D mm 295x870x229 295x870x229 295x1040x244 295x1040x244 295x1040x244 295x1040x244 205x1040x244	Power supply		V	230	230	230	230	230
Air flow Cool / Heat m/min 11,4/13,8 12,7/14,8 13,2/15,2 17,4/19,1 19,0/19,9	Recommended fuse		Α	16	16	16	16	20
Moisture removal volume	Connection indoor / outdoor		mm²	4x1,5	4x1,5	4x1,5	4x2,5	4x2,5
Sound pressure 41 Cool (Hi / Lo / O-Lo) Heat (Hi) dB(A) 39/25/21 42/28/21 43/32/29 44/37/30 47/38/35 Sound power Cool / Heat (Hi) dB(A) 41/27/22 43/30/22 44/35/29 44/37/30 47/38/35 Sound power Cool / Heat (Hi) dB(A) 55/57 58/59 59/60 60/60 63/63 Dimension HxWxD mm 295x870x229 295x870x229 295x1040x244 295x1040x244 Net weight kg 11 11 11 12 13 Outdoor unit CU-25YKEA CU-25YKEA CU-24YKEA CU-25YKEA CU-27YKEA Air flow Cool / Heat m³/min 27,6/27,6 29,8/29,8 29,8/31,0 39,8/36,9 44,7/45,8 Sound pressure 41 Cool / Heat (Hi) dB(A) 46/48 48/50 48/51 48/50 52/54 Sound power Cool / Heat (Hi) dB(A) 61/63 63/65 63/66 63/65 66/68 Dimension 31 HxWxD m 542	Air flow	Cool / Heat	m³/min	11,4/13,8	12,7/14,8	13,2/15,2	17,4/19,1	19,0/19,9
Heat [Hi Lo Q-Lo dB A	Moisture removal volume		L/h	1,5	2,0	2,4	2,8	4,1
Heat (Hi/ Lo /O-Lo) dB(A) 41/27/22 43/30/22 44/35/29 44/37/30 47/38/35	Sound pressure 4)	Cool (Hi / Lo / Q-Lo)	dB(A)	39/25/21	42/28/21	43/32/29	44/37/30	47/38/35
Dimension		Heat (Hi / Lo / Q-Lo)	dB(A)	41/27/22	43/30/22	44/35/29	44/37/30	47/38/35
Net weight kg 11 11 11 12 13 Outdoor unit CU-Z25YKEA CU-Z35YKEA CU-Z42YKEA CU-Z50YKEA CU-Z71YKEA Air flow Cool / Heat m³/min 27,6/27,6 29,8/29,8 29,8/31,0 39,8/36,9 44,7/45,8 Sound pressure ⁴I Cool / Heat (Hi) dB(A) 46/48 48/50 48/51 48/50 52/54 Sound power Cool / Heat (Hi) dB(A) 61/63 63/65 63/66 63/65 66/68 Dimension ⁵I HxWxD mm 542x780x289 542x780x289 542x780x289 695x875x320 695x875x320 Net weight kg 30 30 30 40 45 Piping diameter Liquid Inch (mm) 1/4 (6,35) 1/4 (6,35) 1/4 (6,35) 1/4 (6,35) 1/4 (6,35) 1/4 (6,35) 1/4 (6,35) 1/2 (12,70) 5/8 (15,88) Pipe length range m 3 - 20 3 - 20 3 - 20 3 - 30 3 - 30 3 - 30 Pre-charg	Sound power	Cool / Heat (Hi)	dB(A)	55/57	58/59	59/60	60/60	63/63
Outdoor unit CU-Z55YKEA CU-Z35YKEA CU-Z42YKEA CU-Z59YKEA CU-Z49YKEA CU-Z59YKEA CU-Z49YKEA CU-Z49YKEA CU-Z59YKEA CU-Z49YKEA CU-Z59YKEA CU-Z49YKEA CU-Z49YKEA CU-Z59YKEA CU-Z49YKEA CU-Z59YKEA CU-Z49YKEA CU-Z59YKEA CU-Z49YKEA CU-Z59YKEA CU-Z49YKEA CU-Z4	Dimension	HxWxD	mm	295 x 870 x 229	295 x 870 x 229	295 x 870 x 229	295 x 1040 x 244	295 x 1040 x 244
Air flow Cool / Heat m'/min 27,6/27,6 29,8/29,8 29,8/31,0 39,8/36,9 44,7/45,8 Sound pressure 4\ Cool / Heat (Hi) dB(A\) 46/48 48/50 48/51 48/50 52/54 Sound power Cool / Heat (Hi) dB(A\) 61/63 63/65 63/66 63/65 66/68 Dimension 5\ HxWxD mm 542x780x289 542x780x289 542x780x289 695x875x320 695x875x320 Net weight kg 30 30 30 40 45 Piping diameter Liquid Inch (mm) 1/4 (6,35) 1/4 (6,35) 1/4 (6,35) 1/4 (6,35) 1/4 (6,35) 1/4 (6,35) Pipe length range m 3-20 3-20 3-20 3-30 3-30 3-30 Elevation difference (in / out) m 15 15 15 15 15 20 Pre-charged pipe length m 7,5 7,5 7,5 7,5 7,5 10 Additional gas amount g/m 10 10 10 15 25 Refrigerant (R32) / CO ₂ Eq. kg / T 0,89/0,60 0,89/0,60 0,97/0,65 1,13/0,76 1,35/0,91	Net weight		kg	11	11	11	12	13
Sound pressure 41 Cool / Heat (Hi) dB(A) 46/48 48/50 48/51 48/50 52/54 Sound power Cool / Heat (Hi) dB(A) 61/63 63/65 63/66 63/65 66/68 Dimension 51 HxWxD mm 542x780x289 542x780x289 542x780x289 695x875x320	Outdoor unit			CU-Z25YKEA	CU-Z35YKEA	CU-Z42YKEA	CU-Z50YKEA	CU-Z71YKEA
Sound power Cool / Heat (Hi) dB(A) 61/63 63/65 63/65 63/65 63/65 66/68 Dimension 51 HxWxD mm 542x780x289 542x780x289 542x780x289 695x875x320 695x875x320 Net weight kg 30 30 30 40 45 Piping diameter Liquid Inch (mm) 1/4 (6,35) 1/4	Air flow	Cool / Heat	m³/min	27,6/27,6	29,8/29,8	29,8/31,0	39,8/36,9	44,7/45,8
Dimension 51 HxWxD mm 542x780x289 542x780x289 542x780x289 695x875x320 695x875x320 Net weight kg 30 30 30 40 45 Piping diameter Liquid Inch (mm) 1/4 (6,35)	Sound pressure 4)	Cool / Heat (Hi)	dB(A)	46/48	48/50	48/51	48/50	52/54
Net weight kg 30 30 30 40 45 Piping diameter Liquid Inch (mm) 1/4 (6,35) 1/4 (6,3	Sound power	Cool / Heat (Hi)	dB(A)	61/63	63/65	63/66	63/65	66/68
Liquid Inch (mm) 1/4 (6,35) 1/4 (6,3	Dimension 5]	HxWxD	mm	542 x 780 x 289	542 x 780 x 289	542 x 780 x 289	695 x 875 x 320	695 x 875 x 320
Piping diameter Gas Inch (mm) 3/8(9,52) 3/8(9,52) 1/2(12,70) 1/2(12,70) 5/8(15,88) Pipe length range m 3~20 3~20 3~20 3~20 3~30 3~30 Elevation difference (in / out) m 15 15 15 15 15 20 Pre-charged pipe length m 7,5 7,5 7,5 7,5 7,5 10 Additional gas amount g/m 10 10 10 15 25 Refrigerant (R32) / CO ₂ Eq. kg / T 0,89/0,60 0,89/0,60 0,97/0,65 1,13/0,76 1,35/0,91 Operating range Cool Min ~ Max °C -25~+43 -25~+43 -25~+43 -25~+43 -25~+43	Net weight		kg	30	30	30	40	
Fipe length range	Dining diameter	Liquid	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Elevation difference (in / out) m 15 15 15 15 20 Pre-charged pipe length m 7,5 7,5 7,5 7,5 10 Additional gas amount g/m 10 10 10 15 25 Refrigerant (R32) / CO ₂ Eq. kg / T 0,89/0,60 0,89/0,60 0,97/0,65 1,13/0,76 1,35/0,91 Operating range Cool Min ~ Max °C -25~+43 -25~+43 -25~+43 -25~+43 -25~+43	Piping diameter	Gas	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2(12,70)	1/2 (12,70)	5/8 (15,88)
Pre-charged pipe length m 7,5 7,5 7,5 7,5 10 Additional gas amount g/m 10 10 10 15 25 Refrigerant (R32) / CO ₂ Eq. kg / T 0,89/0,60 0,89/0,60 0,97/0,65 1,13/0,76 1,35/0,91 Operating range Cool Min ~ Max °C -25~+43 -25~+43 -25~+43 -25~+43 -25~+43	Pipe length range		m	3~20	3~20	3~20	3~30	3~30
Additional gas amount g/m 10 10 10 15 25 Refrigerant (R32) / CO ₂ Eq. kg / T 0,89/0,60 0,89/0,60 0,97/0,65 1,13/0,76 1,35/0,91 Operating range Cool Min ~ Max °C -25~+43 -25~+43 -25~+43 -25~+43 -25~+43	Elevation difference (in / out)		m	15	15	15	15	20
Refrigerant (R32) / CO ₂ Eq. kg / T 0,89/0,60 0,89/0,60 0,97/0,65 1,13/0,76 1,35/0,91 Operating range Cool Min ~ Max °C -25~+43 -25~+43 -25~+43 -25~+43 -25~+43	Pre-charged pipe length		m	7,5	7,5	7,5	7,5	10
Cool Min ~ Max °C -25~+43 -25~+43 -25~+43 -25~+43 -25~+43	Additional gas amount		g/m	10	10	10	15	25
Operating range	Refrigerant (R32) / CO ₂ Eq.		kg / T	0,89/0,60	0,89/0,60	0,97/0,65	1,13/0,76	1,35/0,91
Heat Min ~ Max °C -15~+24 -15~+24 -15~+24 -15~+24 -15~+24	Operating range	Cool Min ~ Max	°C	-25~+43	-25~+43	-25~+43	-25~+43	-25~+43
	operating range	Heat Min ~ Max	°C	-15~+24	-15~+24	-15~+24	-15~+24	-15~+24

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the indoor unit shows the value measured of a position 1 m in front of the main body and 0,8 m below the unit. For outdoor unit 1 m in front and 1 m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70 mm for piping port. * Not compatible with PACi NX outdoors and accessories. Domestic range sales conditions may apply. Check with your sales representative.

Accessories	
CZ-RCC5	$\mbox{CN-CNT}$ cables x2 for server room application, control of 2 units, rotation, backup, etc.
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400 mm

























