

Etherea

—ETHEREA—

The models in the NZ series are powerful, highly efficient, and reliable year-round. The NZ models are efficient and reliable year-round, and are specially designed for the tough Nordic climate. Due to its clever design, the NZ is perfect as a replacement pump.



1 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, and schedule with easy interface.

By connecting Panasonic Comfort Cloud the unit can be managed by Google Assistant and Amazon Alexa*.

* Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates
Google, Android, Google Play and Google Home are trademarks of Google LLC.



2 Summer House

Keep your summer house, garage, or permit-free auxiliary building frost-free without using a lot of energy.

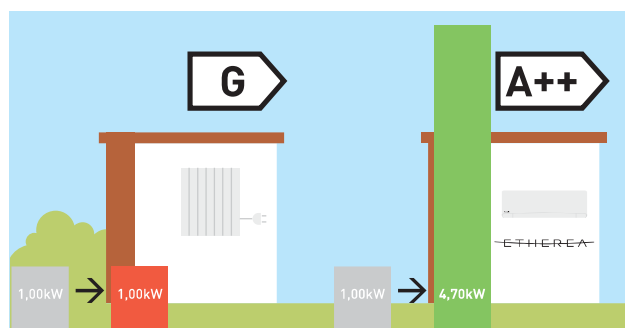
3 New wireless control

Enjoy innovative design at your fingertips with the new stylish and sleek Backlit Sky Controller. Bigger screen and easier to use.

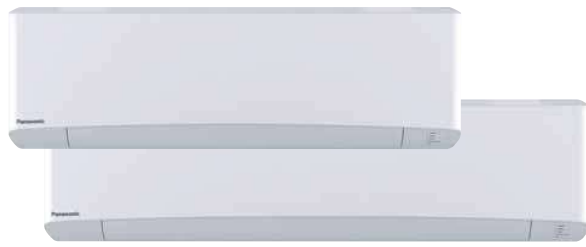


4 Etherea maximum savings, outstanding efficiency A++

Highest energy class. Original Panasonic Inverter technology and a high performance compressor provide top-class operating efficiency. This lets you enjoy lower electricity bills while contributing to environmental protection.



* SCOP on heating mode for CS-NZ25VKE and CS-NZ50VKE compared with electrical heaters at +7°C.



Built-in Wi-Fi
Panasonic Comfort
Cloud for internet
control.

Wall-mounted NZ Etherea Inverter+ • R32 refrigerant

Maximum capacity			6,30 kW	7,30 kW	8,20 kW
Indoor unit			CS-NZ25VKE	CS-NZ35VKE	CS-NZ50VKE
Outdoor unit			CU-NZ25VKE	CU-NZ35VKE	CU-NZ50VKE
Heating capacity	Nominal (Min - Max)	kW	3,40 [0,85 - 6,30]	4,00 [0,85 - 7,30]	5,80 [0,98 - 8,20]
COP ¹⁾		W/W	4,86	4,44	4,23
Heating capacity at -7 °C ²⁾		kW	4,00	4,60	5,20
COP at -7 °C ¹⁾		W/W	2,47	2,12	2,39
Heating capacity at -15 °C ²⁾		kW	3,40	4,20	4,90
COP at -15 °C ¹⁾		W/W	2,19	2,11	2,34
Heating capacity at -20 °C ²⁾		kW	2,80	3,60	4,15
COP at -20 °C ¹⁾		W/W	1,96	2,00	2,17
Heating capacity at -25 °C ²⁾		kW	2,20	3,00	3,70
COP at -25 °C ¹⁾		W/W	1,65	1,84	1,99
SCOP ³⁾			4,60 A++	4,70 A++	4,70 A++
Pdesign at -10 °C		kW	2,80	3,60	4,40
Input power heating	Nominal (Min - Max)	kW	0,70 [0,17 - 1,73]	0,90 [0,17 - 2,32]	1,37 [0,22 - 2,42]
Annual energy consumption ⁴⁾		kWh/a	852	1072	1311
Cooling capacity	Nominal (Min - Max)	kW	2,50 [0,85 - 3,00]	3,50 [0,85 - 4,00]	5,00 [0,98 - 6,00]
SEER ³⁾			7,50 A++	7,40 A++	7,50 A++
Pdesign (cooling)		kW	2,50	3,50	5,00
Input power cooling	Nominal (Min - Max)	kW	0,51 [0,17 - 0,70]	0,86 [0,17 - 1,10]	1,34 [0,25 - 1,85]
Annual energy consumption ⁴⁾		kWh/a	117	166	233
Indoor unit					
Power source		V	230	230	230
Air volume	Heat / Cool	m ³ /min	12,3/10,9	12,4/11,3	20,8/19,6
Moisture removal volume		l/h	1,5	2,0	2,8
Sound pressure ⁵⁾	Heat (Hi / Lo / Q-Lo)	dB(A)	42/27/19	44/30/19	44/37/30
	Cool (Hi / Lo / Q-Lo)	dB(A)	39/25/21	42/28/21	44/37/30
Dimension	HxWxD	mm	295 x 919 x 194	295 x 919 x 194	295 x 1120 x 236
Net weight		kg	9	10	12
Outdoor unit					
Air volume	Heat / Cool	m ³ /min	31,4/31,4	35,1/33,9	38,6/39,7
Sound pressure ⁵⁾	Heat — Cool (Hi / Lo)	dB(A)	48/45 — 46/43	50/47 — 48/45	50/47 — 48/45
Dimension ⁶⁾	HxWxD	mm	622 x 824 x 299	622 x 824 x 299	701 x 875 x 320
Net weight		kg	35	36	47
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
Pipe length range		m	3 - 20	3 - 20	3 - 20
Elevation difference (in/out) ⁷⁾		m	10	10	15
Pipe length for additional gas		m	7,5	7,5	7,5
Additional gas amount		g/m	10	10	15
Refrigerant (R32) / CO ₂ Eq.		kg / T	0,96/0,648	1,00/0,675	1,15/0,776
Operating range	Heat Min ~ Max	°C	-25 ~ +24	-25 ~ +24	-25 ~ +24
	Cool Min ~ Max	°C	-15 ~ +43	-15 ~ +43	-15 ~ +43

Accessories

CZ-CAPRA1	RAC interface adapter for integration into P-Link
PAW-SMSCONTROL	Control by SMS [need additional SIM card]

Accessories

CZ-RD514C	Wired remote controller for Wall-mounted and Floor Console
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1) COP calculation is based in accordance to EN14511. 2) Capacity of the heat pump is tested with powerful mode with device mode included. 3) Energy Label Scale from A+++ to D. 4) The annual energy consumption is calculated in accordance to EU/626/2011. 5) The sound pressure of the indoor unit shows the value measured at a position of 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. 6) Add 70 mm for piping port. 7) When installing the outdoor unit at a higher position than the indoor unit.

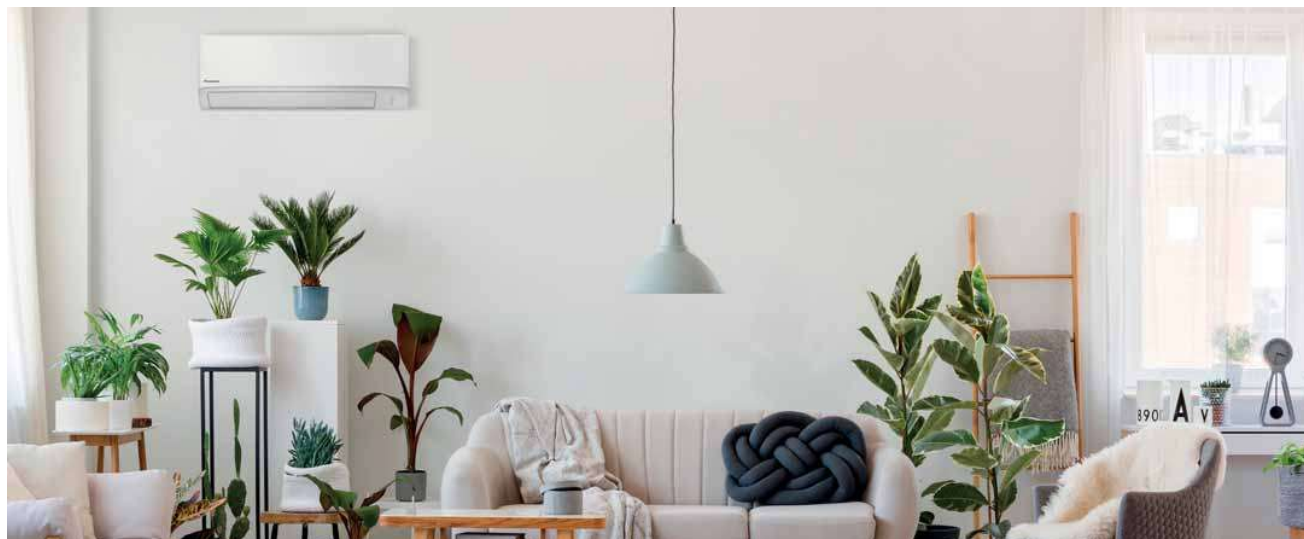


SCOP: For CS-NZ35VKE and CS-NZ50VKE. SEER: For CS-NZ25VKE and CS-NZ50VKE. SUPER QUIET: For CS-NZ25VKE and CS-NZ35VKE. INTERNET CONTROL: Built-in Wi-Fi.

New Wall-mounted CZ super-compact design

The unit's chassis has been carefully re-designed for simple, stress-free installation and ongoing maintenance.

HEATING
POSSIBLE AT
-25 °C



1 New super-compact design

The new compact design of the indoor units have a width of just 779 mm. This allows for more installation possibilities, including the limited space above a door.

New structure for easier installation and servicing. Installation requires fewer steps and less time.

ONLY
779 mm



2 High heating capacity and SCOP

CZ series heating capacity has further improved and, thanks to the high SCOP, CZ is a perfect solution to achieve high energy savings while keeping a high level of comfort.

3 Perfect for your summer house

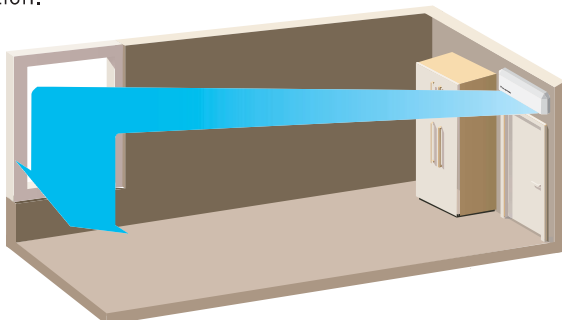
Thanks to its +8/+15-degree function, you can keep your summer house, garage, or permit-free auxiliary building frost-free without using a lot of energy.

4 Panasonic 1x4. Comfort year-round

With an installation you get an ideal indoor climate all year round: heating even at temperatures as low as -25 °C, or cooling, when the weather gets better.

Concentrated Airflow for more comfortable cooling

There are now two flaps to enable finer control of air flow direction.



Fast cooling.

Aerowings twin flaps direct concentrated airflow downwards to cool you rapidly.

Shower cooling.

Shower air flow quickly spreads cool air across a room and up to the walls, and then it showers down gently.



CZ-TACG1
Optional Wi-Fi
Panasonic Comfort
Cloud for internet
control.

New Wall-mounted CZ Inverter • R32 refrigerant

Maximum capacity			5,20 kW	6,70 kW
Indoor unit			CS-CZ25WKE	CS-CZ35WKE
Outdoor unit			CU-CZ25WKE	CU-CZ35WKE
Heating capacity	Nominal (Min - Max)	kW	3,40 (0,85 - 5,20)	4,00 (0,85 - 6,70)
COP ¹⁾		W/W	4,66	4,08
Heating capacity at -7 °C ²⁾		kW	3,30	4,05
COP at -7 °C ¹⁾		W/W	2,54	2,19
Heating capacity at -15 °C ²⁾		kW	2,70	3,60
COP at -15 °C ¹⁾		W/W	2,25	2,22
Heating capacity at -20 °C ²⁾		kW	2,10	3,00
COP at -20 °C ¹⁾		W/W	1,91	1,90
Heating capacity at -25 °C ²⁾		kW	1,50	2,40
COP at -25 °C ¹⁾		W/W	1,60	1,80
SCOP ³⁾			4,30 A+	4,30 A+
Pdesign at -10 °C		kW	2,80	3,60
Input power heating	Nominal (Min - Max)	kW	0,73 (0,18 - 1,45)	0,98 (0,18 - 2,00)
Annual energy consumption ⁴⁾		kWh/a	912	1172
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 4,00)
SEER ³⁾			6,60 A++	6,40 A++
Pdesign (cooling)		kW	2,50	3,50
Input power cooling	Nominal (Min - Max)	kW	0,54 (0,19 - 0,73)	0,94 (0,19 - 1,14)
Annual energy consumption ⁴⁾		kWh/a	133	191
Indoor unit				
Power source		V	230	230
Air volume	Heat / Cool	m ³ /min	12,5/11,2	12,8/12,1
Moisture removal volume		l/h	1,5	2,0
Sound pressure ⁵⁾	Heat (Hi / Lo / Q-Lo)	dB(A)	40/27/20	42/33/20
	Cool (Hi / Lo / Q-Lo)	dB(A)	39/25/22	42/28/22
Dimension	HxWxD	mm	290 x 779 x 209	290 x 779 x 209
Net weight		kg	8	8
Outdoor unit				
Air volume	Heat / Cool	m ³ /min	29,7/31,3	30,5/32,9
Sound pressure ⁵⁾	Heat — Cool (Hi / Lo)	dB(A)	47/44 — 46/43	50/47 — 48/45
Dimension ⁶⁾	HxWxD	mm	622 x 824 x 299	622 x 824 x 299
Net weight		kg	33	33
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)
Pipe length range		m	3 - 20	3 - 20
Elevation difference (in/out) ⁷⁾		m	10	10
Pipe length for additional gas		m	7,5	7,5
Additional gas amount		g/m	10	10
Refrigerant (R32) / CO ₂ Eq.		kg / T	0,84 / 0,567	0,84 / 0,567
Operating range	Heat Min ~ Max	°C	-25 ~ +24	-25 ~ +24
	Cool Min ~ Max	°C	+16 ~ +43	+16 ~ +43

Accessories

CZ-TACG1	Panasonic Comfort Cloud for internet control
CZ-CAPRA1	RAC interface adapter for integration into P-Link

Accessories

PAW-SM5CONTROL	Control by SMS (need additional SIM card)
CZ-RD514C	Wired remote controller for Wall-mounted and Floor Console

1) COP calculation is based in accordance to EN14511. 2) Capacity of the heat pump is tested with powerful mode with deice mode included. 3) Energy Label Scale from A+++ to D. 4) The annual energy consumption is calculated in accordance to EU/626/2011. 5) The sound pressure of the indoor unit shows the value measured at a position of 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. 6) Add 70 mm for piping port, 7) When installing the outdoor unit at a higher position than the indoor unit.



SCOP and SEER: For CS-CZ25WKE. INTERNET CONTROL: Optional.