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.
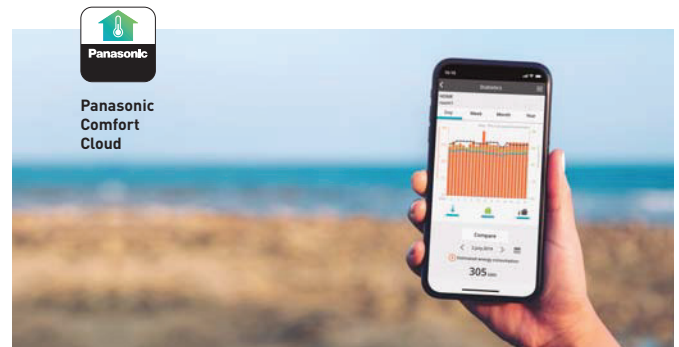
ETHEREA

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.

Panasonic
Comfort
Cloud

2 **Summer House**

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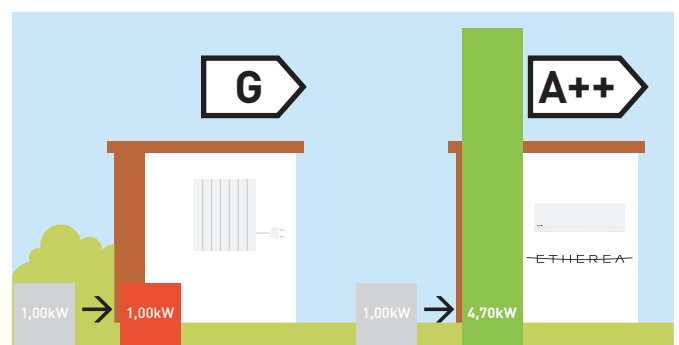
3 **New wireless control**

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.

G   A++

1,00kW → 1,00kW   1,00kW → 4,70kW

* 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
Recommended fuse		A	10	10	13
Air volume	Heat / Cool	m³/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	H x W x D	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	m³/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]	H x W x D	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			Accessories	
CZ-CAPRA1	RAC interface adapter for integration into P-Link		CZ-RD514C	Wired remote controller for Wall-mounted and Floor Console
PAW-SMSCONTROL	Control by SMS (need additional SIM card)			

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 of 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.

R32 | A++ 4,70 SCOP | A++ 7,50 SEER | INVERTER+ | R2 ROTARY COMPRESSOR | DUST COLLECTION FILTER | 19dB(A) | -25°C HEATING MODE | SUMMER HOUSE | R22/R410A RENEWAL | INTEGRATION TO P-LINK | BUILT-IN WI-FI | 5 YEARS COMPRESSOR WARRANTY

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.

Rating Conditions: Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 35 °C DB / 24 °C WB. Heating Indoor 20 °C DB. Heating Outdoor 7 °C DB / 6 °C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.