Etherea: Cleaning the air we breathe

ETHEREA

Etherea with nanoe™ X system: outstanding efficiency A+++, comfort (Super Quiet technology only 19dB(A)) and healthy air combined with a breakthrough design.



1 Even cleaner air with nanoe™ X

nanoe™ X is an outstanding bringing much higher performance for better indoor air quality.

Get the best for your health with Etherea and nanoe™ X

Using nano-technology, nano-sized electrostatic atomised water particles clean the air in the room. It works effectively on airborne and adhesive micro-organisms such as certain types of bacteria, viruses and mould thus ensuring a cleaner living environment.

nanoe™X



2 Built-in WLAN and compatible with Voice Assistant

Ready to connect the unit to internet to be controlled by smartphone with Panasonic Comfort Cloud App. Control, monitor, easy schedule with easy interface. By connecting Panasonic Comfort Cloud the unit can be managed by Google Assistant and Amazon Alexa*.

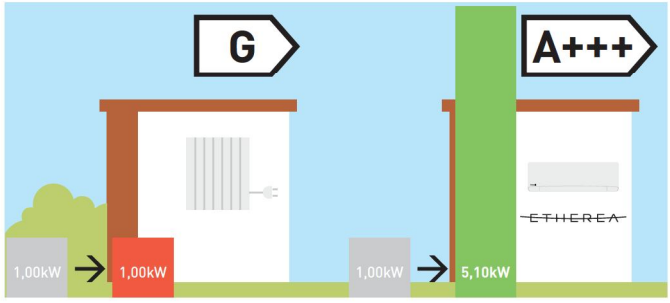
* Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates Google, Android, Google Play and Google Home are trademarks of Google LLC.

3 Simple but elegant design

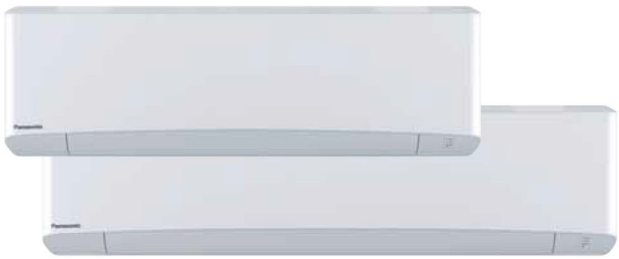
To suit European interior, we design the indoor to be simple and clean. Elegant finishing with white matt or silver color.

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 2,5kW models compared with electrical heaters at +7°C.





Silver



Built-in WLAN Panasonic Comfort Cloud for internet control.

Wall-mounted Etherea Inverter+ Silver / Pure White Matt • R32 Refrigerant

Kit Silver			**KIT-XZ20-VKE**	**KIT-XZ25-VKE**	**KIT-XZ35-VKE**	**—**	**KIT-XZ50-VKE**	**—**
Kit Pure White Matt			**KIT-Z20-VKE**	**KIT-Z25-VKE**	**KIT-Z35-VKE**	**KIT-Z42-VKE**	**KIT-Z50-VKE**	**KIT-Z71-VKE**
Cooling capacity	Nominal (Min - Max)	kW	2,05 (0,75 - 2,40)	2,50 (0,85 - 3,20)	3,50 (0,85 - 4,00)	4,20 (0,85 - 5,00)	5,00 (0,98 - 6,00)	7,10 (0,98 - 8,50)
EER [1]	Nominal (Min - Max)	W/W	4,56 (3,13 - 4,32)	4,81 (3,54 - 4,05)	4,07 (3,54 - 3,70)	3,39 (3,27 - 3,18)	3,55 (3,50 - 3,08)	3,27 (2,33 - 2,93)
SEER [2]			**7,50 A++**	**8,50 A+++**	**8,50 A+++**	**6,90 A++**	**7,90 A++**	**6,50 A++**
Pdesign (cooling)		kW	2,10	2,50	3,50	4,20	5,00	7,10
Input power cooling	Nominal (Min - Max)	kW	0,45 (0,24 - 0,56)	0,52 (0,24 - 0,79)	0,86 (0,24 - 1,08)	1,24 (0,26 - 1,57)	1,41 (0,28 - 1,95)	2,17 (0,42 - 2,90)
Annual energy consumption [3]		kWh/a	98	103	144	213	222	382
Heating capacity	Nominal (Min - Max)	kW	2,80 (0,70 - 4,00)	3,40 (0,80 - 5,00)	4,00 (0,80 - 5,50)	5,30 (0,80 - 6,80)	5,80 (0,98 - 8,00)	8,60 (0,98 - 10,20)
Heating capacity at -7°C		kW	2,38	2,95	3,20	4,11	4,80	6,31
COP [1]	Nominal (Min - Max)	W/W	4,52 (3,89 - 4,04)	4,79 (4,44 - 3,97)	4,35 (4,44 - 3,72)	3,68 (4,21 - 3,51)	4,03 (2,88 - 3,16)	3,66 (2,45 - 3,46)
SCOP [2]			**4,70 A++**	**5,10 A+++**	**5,10 A+++**	**4,00 A+**	**4,70 A++**	**4,20 A+**
Pdesign at -10°C		kW	2,10	2,70	2,80	3,60	4,20	5,50
Input power heating	Nominal (Min - Max)	kW	0,62 (0,18 - 0,99)	0,71 (0,18 - 1,26)	0,92 (0,18 - 1,48)	1,44 (0,19 - 1,94)	1,44 (0,34 - 2,53)	2,35 (0,40 - 2,95)
Annual energy consumption [3]		kWh/a	626	741	769	1260	1251	1833
Indoor unit Silver			**CS-XZ20VKEW**	**CS-XZ25VKEW**	**CS-XZ35VKEW**	**—**	**CS-XZ50VKEW**	**—**
Indoor unit Pure White Matt			**CS-Z20VKEW**	**CS-Z25VKEW**	**CS-Z35VKEW**	**CS-Z42VKEW**	**CS-Z50VKEW**	**CS-Z71VKEW**
Power source		V	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	20
Connection indoor / outdoor		mm²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 2,5	4 x 2,5
Air volume	Cool / Heat	m³/min	9,9 / 10,7	10,2 / 11,2	11,0 / 12,0	11,2 / 12,0	19,1 / 20,5	19,8 / 21,5
Moisture removal volume		L/h	1,3	1,5	2,0	2,4	2,8	4,1
Sound pressure [4]	Cool (Hi / Lo / Q-Lo)	dB(A)	37 / 24 / 19	39 / 25 / 19	42 / 28 / 19	43 / 31 / 25	44 / 37 / 30	47 / 38 / 30
	Heat (Hi / Lo / Q-Lo)	dB(A)	38 / 25 / 19	41 / 27 / 19	43 / 33 / 19	43 / 35 / 29	44 / 37 / 30	47 / 38 / 30
Dimension	H x W x D	mm	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	9	10	10	10	12	13
Outdoor unit			**CU-Z20VKE**	**CU-Z25VKE**	**CU-Z35VKE**	**CU-Z42VKE**	**CU-Z50VKE**	**CU-Z71VKE**
Air volume	Cool / Heat	m³/min	26,9 / 24,1	28,7 / 27,2	30,6 / 30,6	31,3 / 30,9	39,8 / 36,9	44,7 / 45,8
Sound pressure [4]	Cool / Heat (Hi)	dB(A)	45 / 46	46 / 47	48 / 50	49 / 51	47 / 47	52 / 54
Dimension [5]	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	27	31	31	31	42	50
Piping connections	Liquid pipe	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)
	Gas pipe	Inch (mm)	3/8 (9,52)	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 ~ 15	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 30	3 ~ 30
Elevation difference (in/out) [6]		m	15	15	15	15	15	20
Pipe length for additional gas		m	7,5	7,5	7,5	7,5	7,5	10
Additional gas amount		g/m	10	10	10	10	15	25
Refrigerant (R32) / CO_2 Eq.		kg / T	0,70 / 0,473	0,85 / 0,574	0,85 / 0,574	0,89 / 0,601	1,15 / 0,776	1,37 / 0,925
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Silver Price		€				—		—
Indoor unit Silver Price		€				—		—
Kit Pure White Matt Price		€						
Indoor unit Pure White Matt Price		€						
Outdoor unit Price		€						

Accessories		**Price €**
CZ-CAPRA1	RAC interface adapter for integration into P-Link	

Accessories		**Price €**
CZ-RD514C	Wired remote controller for Wall-mounted and Floor Console	

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 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m 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 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



SEER and SCOP: For KIT-XZ25-VKE, KIT-XZ35-VKE, KIT-Z25-VKE and KIT-Z35-VKE. SUPER QUIET: For KIT-XZ20-VKE, KIT-XZ25-VKE, KIT-XZ35-VKE, KIT-Z20-VKE, KIT-Z25-VKE and KIT-Z35-VKE. INTERNET CONTROL: Built-in WLAN.

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.