

## Etherea Inverter+ Pure White Matt • R32

### Etherea stylish and outstanding features.

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

- nanoe™ X, technology with the benefits of hydroxyl radicals, improve protection 24/7
- Built-in Wi-Fi Panasonic Comfort Cloud for internet control
- Compatible with voice control
- Super Quiet operation
- Infrared control Sky Controller
- Mild Dry Cooling: prevent a rapid decrease in room humidity
- Aerowings to control air draft direction
- More powerful airflow to quickly reach the desired temperature
- Wired control (Optional)



### nanoe? X, technology with the benefits of hydroxyl radicals

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### Etherea with nanoe? X and built-in WLAN

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Etherea Inverter+ Pure White Matt • R32		SINGLE PHASE					
		KIT-Z20-VKE	KIT-Z25-VKE	KIT-Z35-VKE	KIT-Z42-VKE	KIT-Z50-VKE	KIT-Z71-VKE
Kit							
Cooling capacity (Nominal)	kW	2,05	2,50	3,50	4,20	5,00	7,10
Cooling capacity (Min)	kW	0,75	0,85	0,85	0,85	0,98	0,98
Cooling capacity (Max)	kW	2,40	3,20	4,00	5,00	6,00	8,50
EER (Nominal) (1)	W/W	4,56	4,81	4,07	3,39	3,55	3,27
EER (Min) (1)	W/W	3,13	3,54	3,54	3,27	3,50	2,33
EER (Max) (1)	W/W	4,32	4,05	3,70	3,18	3,08	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)	kW	0,45	0,52	0,86	1,24	1,41	2,17
Input power cooling (Min)	kW	0,24	0,24	0,24	0,26	0,28	0,42
Input power cooling (Max)	kW	0,56	0,79	1,08	1,57	1,95	2,90
Annual energy consumption cooling (3)	kWh/a	98,00	103,00	144,00	213,00	222,00	382,00
Heating capacity (Nominal)	kW	2,80	3,40	4,00	5,30	5,80	8,60
Heating capacity (Min)	kW	0,70	0,80	0,80	0,80	0,98	0,98
Heating capacity (Max)	kW	4,00	5,00	5,50	6,80	8,00	10,20
Heating capacity at -7°C	kW	2,38	2,95	3,20	4,11	4,80	6,31
COP (Nominal) (1)	W/W	4,52	4,79	4,35	3,68	4,03	3,66
COP (Min) (1)	W/W	3,89	4,44	4,44	4,21	2,88	2,45
COP (Max) (1)	W/W	4,04	3,97	3,72	3,51	3,16	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)	kW	0,62	0,71	0,92	1,44	1,44	2,35
Input power heating (Min)	kW	0,18	0,18	0,18	0,19	0,34	0,40
Input power heating (Max)	kW	0,99	1,26	1,48	1,94	2,53	2,95
Annual energy consumption heating (3)	kWh/a	626	741	769	1260	1251	1833
Indoor unit		CS-Z20VKEW	CS-Z25VKEW	CS-Z35VKEW	CS-Z42VKEW	CS-Z50VKEW	CS-Z71VKEW
Indoor power source	V	230	230	230	230	230	230
Indoor recommended fuse	A	16	16	16	16	16	20
Indoor connection indoor / outdoor	mm <sup>2</sup>	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 2,5	4 x 2,5
Indoor air flow (Cool)	m <sup>3</sup> /min	9,9	10,2	11,0	11,2	19,1	19,8
Indoor air flow (Heat)	m <sup>3</sup> /min	10,7	11,2	12,0	12,0	20,5	21,5
Moisture removal volume	L/h	1,3	1,5	2,0	2,4	2,8	4,1
Indoor sound pressure (Cool -Hi) (4)	dB(A)	37	39	42	43	44	47
Indoor sound pressure (Cool -Lo) (4)	dB(A)	24	25	28	31	37	38
Indoor sound pressure (Cool -Q-Lo) (4)	dB(A)	19	19	19	25	30	30
Indoor sound pressure (Heat -Hi) (4)	dB(A)	38	41	43	43	44	47
Indoor sound pressure (Heat -Lo) (4)	dB(A)	25	27	33	35	37	38
Indoor sound pressure (Heat -Q-Lo) (4)	dB(A)	19	19	19	29	30	30
Indoor dimension (Height)	mm	295	295	295	295	302	302
Indoor dimension (Width)	mm	919	919	919	919	1120	1120
Indoor dimension (Depth)	mm	194	194	194	194	236	236
Indoor net weight	kg	9	10	10	10	12	13
nanoe X Generator		Mark 1	Mark 1	Mark 1	Mark 1	Mark 1	Mark 1
Outdoor unit		CU-Z20VKE	CU-Z25VKE	CU-Z35VKE	CU-Z42VKE	CU-Z50VKE	CU-Z71VKE
Outdoor air flow (Cool)	m <sup>3</sup> /min	26,9	28,7	30,6	31,3	39,8	44,7
Outdoor air flow (Heat)	m <sup>3</sup> /min	24,1	27,2	30,6	30,9	36,9	45,8
Outdoor sound pressure (Cool -Hi) (4)	dB(A)	45	46	48	49	47	52
Outdoor sound pressure (Heat -Hi) (4)	dB(A)	46	47	50	51	47	54
Outdoor dimension (Height) (5)	mm	542	542	542	619	695	695
Outdoor dimension (Width) (5)	mm	780	780	780	824	875	875
Outdoor dimension (Depth) (5)	mm	289	289	289	299	320	320
Outdoor net weight	kg	27	31	31	31	42	50
Pipe 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 diameter (Gas)	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) / CO2 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)	°C	-10	-10	-10	-10	-10	-10
Operating range (Cool - Max)	°C	+43	+43	+43	+43	+43	+43
Operating range (Heat - Min)	°C	-15	-15	-15	-15	-15	-15
Operating range (Heat - Max)	°C	+24	+24	+24	+24	+24	+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.

(6) When installing the outdoor unit at a higher position than the indoor unit.

## Complementary products



CZ-CAPRA1 RAC interface adapter for integration into P Link



CZ-CAPRA1 RAC interface adapter for integration into P Link



Wired Remote Control CZ-RD514C



CZ-TACG1 Panasonic Wifi kit for internet control