

## Etherea Z Wandgeräte (VKE) | Mattweiß | 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 ? Technologie mit der natürlichen Kraft der Hydroxylradikale

[ARTIKEL LESEN](#)

### Etherea-Wandgeräte mit integriertem nanoe??X-System und WLAN

[WEITERE INFORMATIONEN](#)

| Etherea Z Wandgeräte (VKE)   Mattweiß   R32 |                     | Einphasig    |              |              |              |              |              |
|---|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|
|   |                     | 2.1 kW       | 2.5 kW       | 3.5 kW       | 4.2 kW       | 5 kW         | 7.1 kW       |
| Kit   |                     | KIT-Z20-VKE  | KIT-Z25-VKE  | KIT-Z35-VKE  | KIT-Z42-VKE  | KIT-Z50-VKE  | KIT-Z71-VKE  |
| 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.

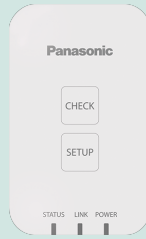
## Zubehör



CZ-CAPRA1 RAC interface  
adapter for integration  
into P Link



Wired Remote Control  
CZ-RD514C



CZ-TACG1 Panasonic Wifi  
kit for internet control