

Casette Type R410a DC Inverter Ecodesign (ERP) – Technical Specifications

| Unit Model | IND. | GKH18K3FI | | GKH24K3FI | | GKH30K3FI | | GKH36K3FI | | GKH42K3FI | | GKH48K3FI | | GKH60K3FI | |
|---|---------|---------------------------|--------------|-------------------------|--------------|-------------------------|--------------|--------------------------|--------------|-------------------------|---------------|-----------------------------|---------------|-----------------------------|---------------|
| Unit Model | OUT. | GUHD18NK3FO | | GUHD24NK3FO | | GUHD30NK3FO | | GUHD36NK3FO | | GUHD42NM3FO | | GUHD48NM3FO | | GUHD60NM3FO | |
| Rated Capacity | kW | 5,00 | 5,50 | 7,00 | 8,00 | 8,30 | 9,20 | 10,00 | 12,00 | 11,00 | 12,50 | 14,00 | 16,00 | 16,00 | 17,00 |
| Rated Capacity | Btu | 17.06 | 18.766 | 23.884 | 27.296 | 28.32 | 31.39 | 34.12 | 40.944 | 37.532 | 42.65 | 47.768 | 54.592 | 54.592 | 58.004 |
| Pdesign | kW | 5,00 | 4,50 | 7,00 | 7,20 | 8,30 | 7,60 | 10,00 | 10,40 | 11,00 | 9,50 | 14,00 | 11,80 | 16,00 | 13,00 |
| Capacity Range | kW | 1,60 – 5,80 | 1,40 – 6,50 | 2,40 – 8,50 | 2,40 – 9,50 | 2,60 – 9,20 | 2,40 – 9,90 | 3,20 – 11,50 | 2,90 – 14,50 | 3,30 – 12,00 | 3,60 – 15,00 | 6,00 – 14,80 | 5,20 – 18,00 | 6,50 – 16,50 | 5,20 – 20,00 |
| Capacity Range | Btu | 5.459-19.789 | 4.776-22.178 | 8.188-29.002 | 8.188-32.414 | 8.871-31.390 | 8.188-33.778 | 10.920-39.250 | 9.890-49.475 | 11.260-40.944 | 12.283-51.180 | 20.472-50.498 | 17.742-61.416 | 22.178-56.298 | 17.742-68.240 |
| Consumption (nom-max) | kW | 1,60-2,50 | 1,58-2,40 | 2,18-3,80 | 2,21-4,00 | 2,67-3,90 | 2,57-4,10 | 3,20-4,65 | 3,50-4,85 | 3,90-4,80 | 3,80-4,90 | 5,15-6,70 | 4,50-6,70 | 5,70-7,40 | 4,70-7,20 |
| Current Input (nom-max) | A | 7,20-11,50 | 7,60-11,10 | 10,10-17,50 | 3,40-12,00 | 12,40-18,10 | 12,00-19,00 | 15,00-21,50 | 16,20-22,50 | 6,70-8,60 | 6,60-8,70 | 8,90-12,00 | 7,80-12,00 | 9,80-13,20 | 8,20-12,80 |
| Annual Consumption | kWh/ann | 313 | 1.658 | 402 | 2.52 | 477 | 2.66 | 574 | 3.64 | 632 | 3.325 | 875 | 4.348 | 918 | 4.55 |
| SEER – SCOP(C/A/W) | W/W | 5,60 A+ | ./-3,80A/- | 6,10 A++ | ./-4,00A+/- | 6,10 A++ | ./-4,00A+/- | 6,10 A++ | ./-4,00A+/- | 6,10 A++ | ./-4,00A+/- | 5,60 A+ | ./-3,80A/- | 6,10 A++ | ./-4,00A+/- |
| – CLASS | | | | | | | | | | | | | | | |
| Ambient Temperature Range | °C | -15 ~ 48°C | -10 ~ 24°C | -15 ~ 48°C | -10 ~ 24°C | -15 ~ 48°C | -10 ~ 24°C | -15 ~ 48°C | -10 ~ 24°C | -15 ~ 48°C | -10 ~ 24°C | -15 ~ 48°C | -10 ~ 24°C | -15 ~ 48°C | -10 ~ 24°C |
| Power Supply | V-Ph-Hz | 230V ~ 1N – 50 Hz | | 230V ~ 1N – 50 Hz | | 230V ~ 1N – 50 Hz | | 230V ~ 1N – 50 Hz | | 400V ~ 3N – 50 Hz | | 400V ~ 3N – 50 Hz | | 400V ~ 3N – 50 Hz | |
| Power Connection Cable ODU.-IDU. / Com. | mm2 | 3x2,5 – 3x1,5 / 2x0,5 | | 3x2,5 – 3x1,5 / 2x0,5 | | 3x2,5 – 3x1,5 / 2x0,5 | | 3x4 – 3x1,5 / 2x0,5 | | 5x2,5 – 3x1,5 / 2x0,5 | | 5x2,5 – 3x1,5 / 2x0,5 | | 5x2,5 – 3x1,5 / 2x0,5 | |
| Compressor Type | | DC Inverter Rotary | | DC Inverter Rotary | | DC Inverter Rotary | | DC Inverter Rotary | | DC Inverter Rotary | | DC Inverter Rotary | | DC Inverter Rotary | |
| Air Flow Volume | m3/h | 760 / 650 / 500 | | 1.300 / 1.150 / 1.000 | | 1.500 / 1.300 / 1.000 | | 1.860 / 1.550 / 1.350 | | 1.860 / 1.550 / 1.350 | | 2.300 / 1.900 / 1.500 | | 2.400 / 1.900 / 1.500 | |
| Sound Pressure Level IDU (H/M/L) – ODU. | dB(A) | 46 / 44 / 37 – 56 | | 46 / 42 / 38 – 57 | | 48 / 45 / 40 – 58 | | 49 / 46 / 43 – 63 | | 49 / 46 / 43 – 61 | | 52 / 47 / 41 – 59 | | 53 / 47 / 41 – 63 | |
| Sound Power IDU (H/M/L) – ODU. | dB(A) | 60 – 64 | | 62 – 65 | | 63 – 65 | | 63 – 70 | | 63 – 70 | | 64 – 70 | | 66 – 75 | |
| Diameter Liquid-Gas Connection Pipe | inch | 1/4" – 1/2" | | 3/8" – 5/8" | | 3/8" – 5/8" | | 3/8" – 5/8" | | 3/8" – 5/8" | | 3/8" – 5/8" | | 3/8" – 3/4" | |
| Refrigerant charge (precharge/after 5m) | | R410a – 1,4kg | | R410a – 2,2kg | | R410a – 2,4kg | | R410a – 3,5kg | | R410a – 3,7kg | | R410a – 4,0kg | | R410a – 5,0kg | |
| | | / 30g/m | | / 60g/m | | / 60g/m | | / 60g/m | | / 60g/m | | / 60g/m | | / 60g/m | |
| Max Distance /Height Connection Pipe | m | 20 / 15 | | 30 / 15 | | 30 / 15 | | 30 / 15 | | 50 / 30 | | 50 / 30 | | 50 / 30 | |
| IDU Dimension LxHxD/ Weight | mm/kg | 596 x 596 x 240 / 20 | | 840 x 840 x 240 / 26 | | 840 x 840 x 320 / 31 | | 840 x 840 x 320 / 31 | | 840 x 840 x 320 / 31 | | 910 x 910 x 290 / 43 | | 910 x 910 x 290 / 43 | |
| Panel Dimension LxHxD /Weight | mm/kg | TC03 650 x 650 x 50 / 3,5 | | TC04 950 x 950 x 60 / 7 | | TC04 950 x 950 x 60 / 7 | | TC04 950 x 950 x 60 / 7 | | TC04 950 x 950 x 60 / 7 | | TC05 1.040 x 1.040 x 65 / 8 | | TC05 1.040 x 1.040 x 65 / 8 | |
| Outdoor Unit Dimension LxHxD /Weight | mm/kg | 955 x 396 x 700 / 47 | | 980 x 427 x 790 / 67 | | 980 x 427 x 790 / 71 | | 1.107 x 440 x 1.100 / 92 | | 958 x 412 x 1.349 / 108 | | 958 x 412 x 1.349 / 114 | | 1.085 x 427 x 1.365 / 126 | |

*Colder, Average, Warmer climate zones for heating operation