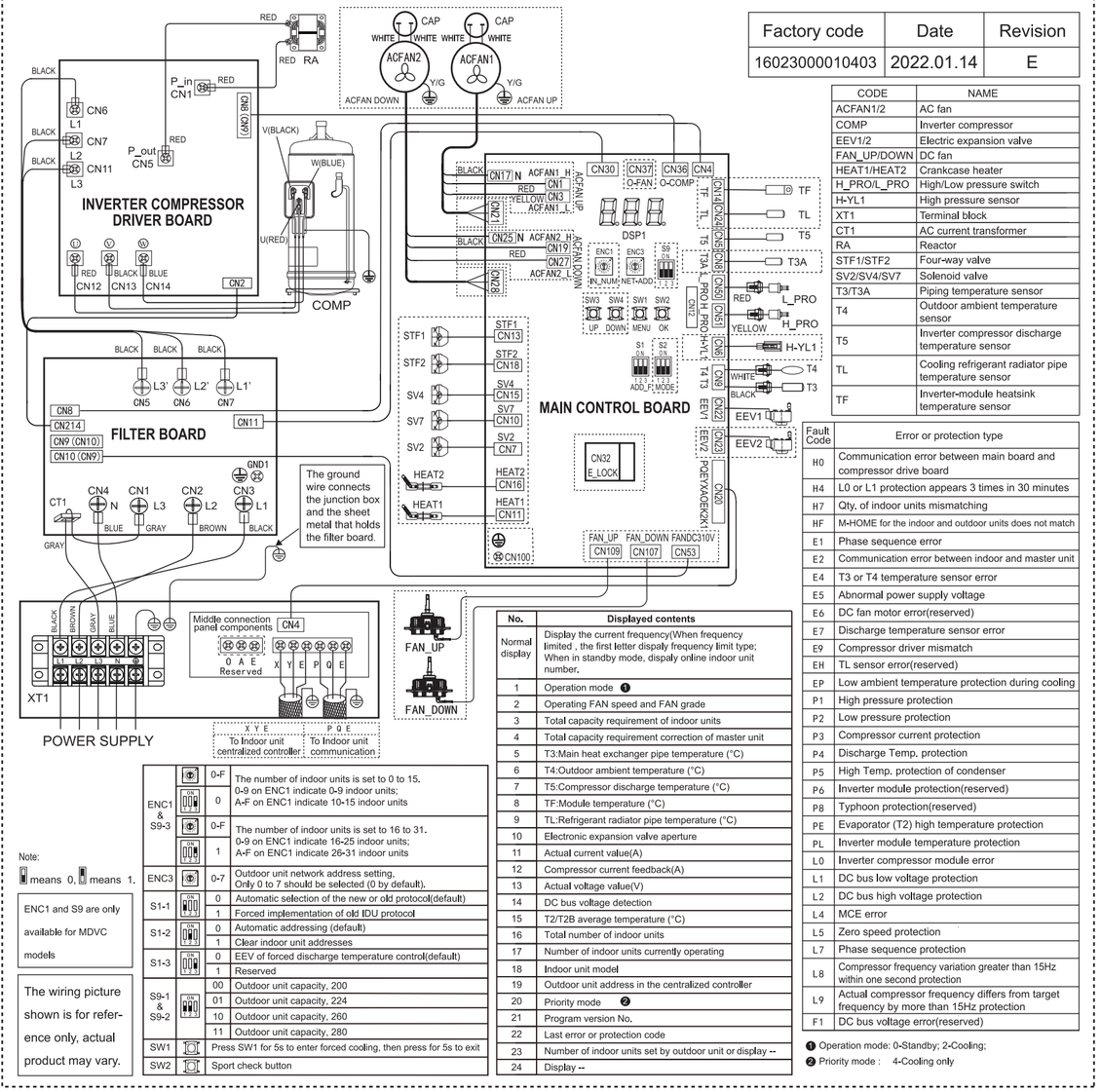
220 mm

220 mm




| Factory code | Date | Revision |
|---|---|---|
| 16023000010403 | 2022.01.14 | E |

| CODE | NAME |
|---|---|
| ACFAN1/2 | AC fan |
| COMP | Inverter compressor |
| EEV1/2 | Electric expansion valve |
| FAN_UP/DOWN | DC fan |
| HEAT1/HEAT2 | Crankcase heater |
| H_PRO/L_PRO | High/Low pressure switch |
| H-YL1 | High pressure sensor |
| XT1 | Terminal block |
| CT1 | AC current transformer |
| RA | Reactor |
| STF1/STF2 | Four-way valve |
| SV2/SV4/SV7 | Solenoid valve |
| T3/T3A | Piping temperature sensor |
| T4 | Outdoor ambient temperature sensor |
| T5 | Inverter compressor discharge temperature sensor |
| TL | Cooling refrigerant radiator pipe temperature sensor |
| TF | Inverter-module heatsink temperature sensor |

| Fault Code | Error or protection type |
|---|---|
| H0 | Communication error between main board and compressor drive board |
| H4 | L0 or L1 protection appears 3 times in 30 minutes |
| H7 | Qty. of indoor units mismatching |
| HF | M-HOME for the indoor and outdoor units does not match |
| E1 | Phase sequence error |
| E2 | Communication error between indoor and master unit |
| E4 | T3 or T4 temperature sensor error |
| E5 | Abnormal power supply voltage |
| E6 | DC fan motor error(reserved) |
| E7 | Discharge temperature sensor error |
| E9 | Compressor driver mismatch |
| EH | TL sensor error(reserved) |
| EP | Low ambient temperature protection during cooling |
| P1 | High pressure protection |
| P2 | Low pressure protection |
| P3 | Compressor current protection |
| P4 | Discharge Temp. protection |
| P5 | High Temp. protection of condenser |
| P6 | Inverter module protection(reserved) |
| P8 | Typhoon protection(reserved) |
| PE | Evaporator (T2) high temperature protection |
| PL | Inverter module temperature protection |
| L0 | Inverter compressor module error |
| L1 | DC bus low voltage protection |
| L2 | DC bus high voltage protection |
| L4 | MCE error |
| L5 | Zero speed protection |
| L7 | Phase sequence protection |
| L8 | Compressor frequency variation greater than 15Hz within one second protection |
| L9 | Actual compressor frequency differs from target frequency by more than 15Hz protection |
| F1 | DC bus voltage error(reserved) |

| No. | Displayed contents |
|---|---|
| Normal display | Display the current frequency(When frequency limited , the first letter dispaly frequency limit type; When in standby mode, dispaly online indoor unit number. |
| 1 | Operation mode ❶ |
| 2 | Operating FAN speed and FAN grade |
| 3 | Total capacity requirement of indoor units |
| 4 | Total capacity requirement correction of master unit |
| 5 | T3:Main heat exchanger pipe temperature (°C) |
| 6 | T4:Outdoor ambient temperature (°C) |
| 7 | T5:Compressor discharge temperature (°C) |
| 8 | TF:Module temperature (°C) |
| 9 | TL:Refrigerant radiator pipe temperature (°C) |
| 10 | Electronic expansion valve aperture |
| 11 | Actual current value(A) |
| 12 | Compressor current feedback(A) |
| 13 | Actual voltage value(V) |
| 14 | DC bus voltage detection |
| 15 | T2/T2B average temperature (°C) |
| 16 | Total number of indoor units |
| 17 | Number of indoor units currently operating |
| 18 | Indoor unit model |
| 19 | Outdoor unit address in the centralized controller |
| 20 | Priority mode ❷ |
| 21 | Program version No. |
| 22 | Last error or protection code |
| 23 | Number of indoor units set by outdoor unit or display -- |
| 24 | Display -- |

❶ Operation mode: 0-Standby; 2-Cooling;
❷ Priority mode : 4-Cooling only

| | | | |
|---|---|---|---|
| ENC1 & S9-3 | 0-F | 0 | The number of indoor units is set to 0 to 15. 0-9 on ENC1 indicate 0-9 indoor units; A-F on ENC1 indicate 10-15 indoor units |
| | 0-F | 1 | The number of indoor units is set to 16 to 31. 0-9 on ENC1 indicate 16-25 indoor units; A-F on ENC1 indicate 26-31 indoor units |
| ENC3 | 0-7 | | Outdoor unit network address setting, Only 0 to 7 should be selected (0 by default). |
| S1-1 | 0 | | Automatic selection of the new or old protocol(default) |
| | 1 | | Forced implementation of old IDU protocol |
| S1-2 | 0 | | Automatic addressing (default) |
| | 1 | | Clear indoor unit addresses |
| S1-3 | 0 | | EEV of forced discharge temperature control(default) |
| | 1 | | Reserved |
| S9-1 & S9-2 | 00 | | Outdoor unit capacity, 200 |
| | 01 | | Outdoor unit capacity, 224 |
| | 10 | | Outdoor unit capacity, 260 |
| | 11 | | Outdoor unit capacity, 280 |
| SW1 | Press SW1 for 5s to enter forced cooling, then press for 5s to exit | | |
| SW2 | Sport check button | | |

Note:
means 0, means 1.

ENC1 and S9 are only available for MDVC models

The wiring picture shown is for reference only, actual product may vary.

MODEL
KHHZ200CZAN3
KHHZ224CZAN3
KHHZ260CZAN3
KHHZ280CZAN3