GENERAL INFORMATION

| Model name | | | | | ASEG18KMTE |
|---|---|---|---|---|---|
| Power supply | | | | | 1Ø 230 V~ 50 Hz |
| Available voltage range | | | | | 198—264 V |
| Capacity | | | | kW class | 5.0 |
| Input power | | | | W | 37.5 |
| Running current | | | | A | 0.35 |
| Fan | Airflow rate | Cooling | HIGH | $m^3/h$ | 980 |
| | | | MED | | 810 |
| | | | LOW | | 640 |
| | | | QUIET | | 510 |
| | | Heating | HIGH | | 1,020 |
| | | | MED | | 850 |
| | | | LOW | | 640 |
| | | | QUIET | | 510 |
| | Type × Qty | | | | Crossflow fan × 1 |
| | Motor output | | | W | 59 |
| Sound pressure level*1 | | Cooling | HIGH | dB (A) | 45 |
| | | | MED | | 40 |
| | | | LOW | | 35 |
| | | | QUIET | | 29 |
| | | Heating | HIGH | | 46 |
| | | | MED | | 40 |
| | | | LOW | | 35 |
| | | | QUIET | | 29 |
| Sound power level | | Cooling | | dB (A) | 60 |
| | | Heating | | | 61 |
| Heat exchanger type | | Dimensions (H × W × D) | | mm | Main 1: 210 × 798 × 26.6<br>Main 2: 135 × 798 × 20.0<br>Sub 1: 84 × 798 × 13.3<br>Sub 2: 84 × 798 × 13.3 |
| | | Fin pitch | | mm | Main 1: 1.2<br>Main 2: 1.1<br>Sub 1: 1.4<br>Sub 2: 1.4 |
| | | Rows × Stages | | | Main 1: 2 × 10<br>Main 2: 2 × 8<br>Sub 1: 1 × 4<br>Sub 2: 1 × 4 |
| | | Pipe type | | | Copper tube |
| | | Fin type | | | Aluminum |
| Enclosure | | Material | | | Polystyrene |
| | | Color | | | White<br>Approximate color of Munsell N 9.25/ |
| Dimensions (H × W × D) | | Net | | mm | 280 × 980 × 240 |
| | | Gross | | | 322 × 1,078 × 346 |
| Weight | | Net | | kg | 12.5 |
| | | Gross | | | 18 |
| Connection pipe | | Size | Liquid | mm (in) | Ø6.35 (Ø1/4) |
| | | | Gas | | Ø12.7 (Ø1/2) |
| | | Method | | | Flare |
| Drain hose | | Material | | | Polypropylene + High-density polyethylene |
| | | Tip diameter | | mm | Ø13.8 (I.D.), Ø15.8 to Ø16.7 (O.D.) |
| Operation range | | Cooling | | °C | 18 to 32 |
| | | | | %RH | 80 or less |
| | | Heating | | °C | 16 to 30 |
| Remote controller type | | | | | Wireless (Option: Wired, Mobile app*2 [FGLair™]) |

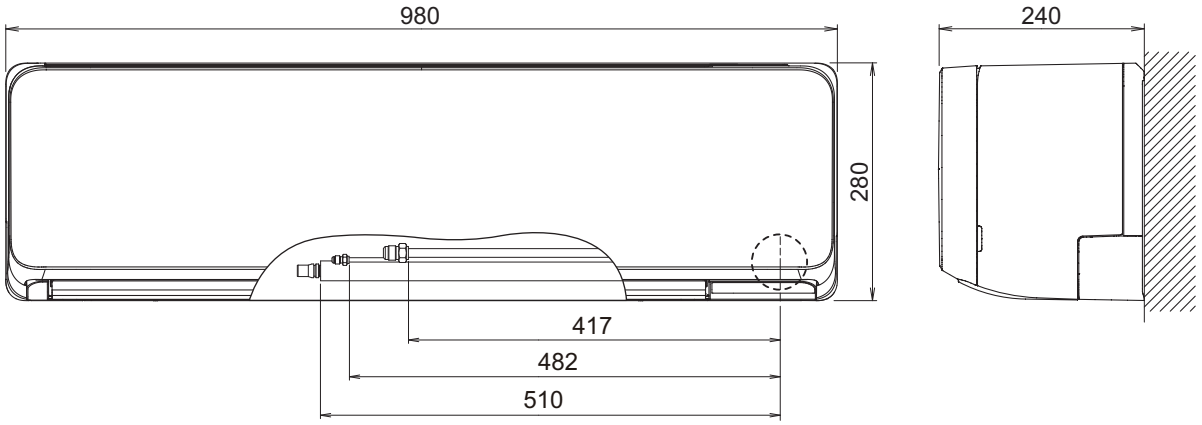
**NOTES:**

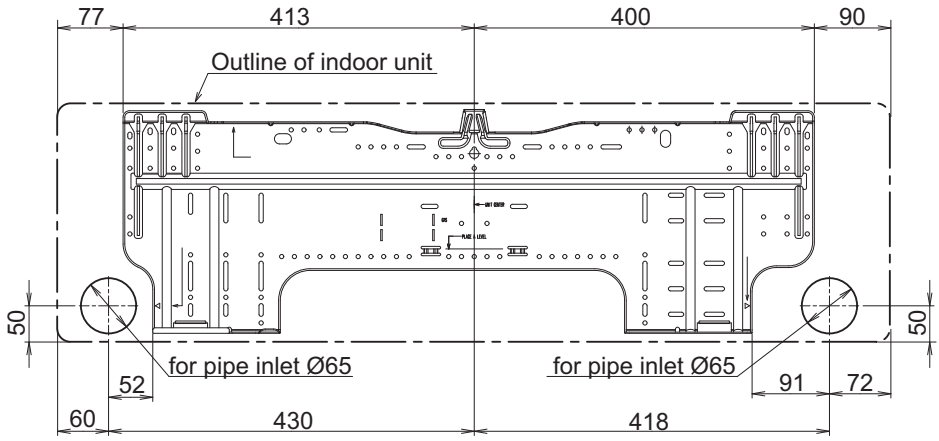
- The protective function might work when using it outside the operation range.
- *1: Sound pressure level:
  - These are the measured values in the manufacturer's anechoic chamber.
  - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.
- *2: Available on Google Play™ store or on App Store®. Optional WLAN Adapter is also required. For details, refer to the setting manual.

GENERAL INFORMATION

# ■ Model: ASEG18KMTE

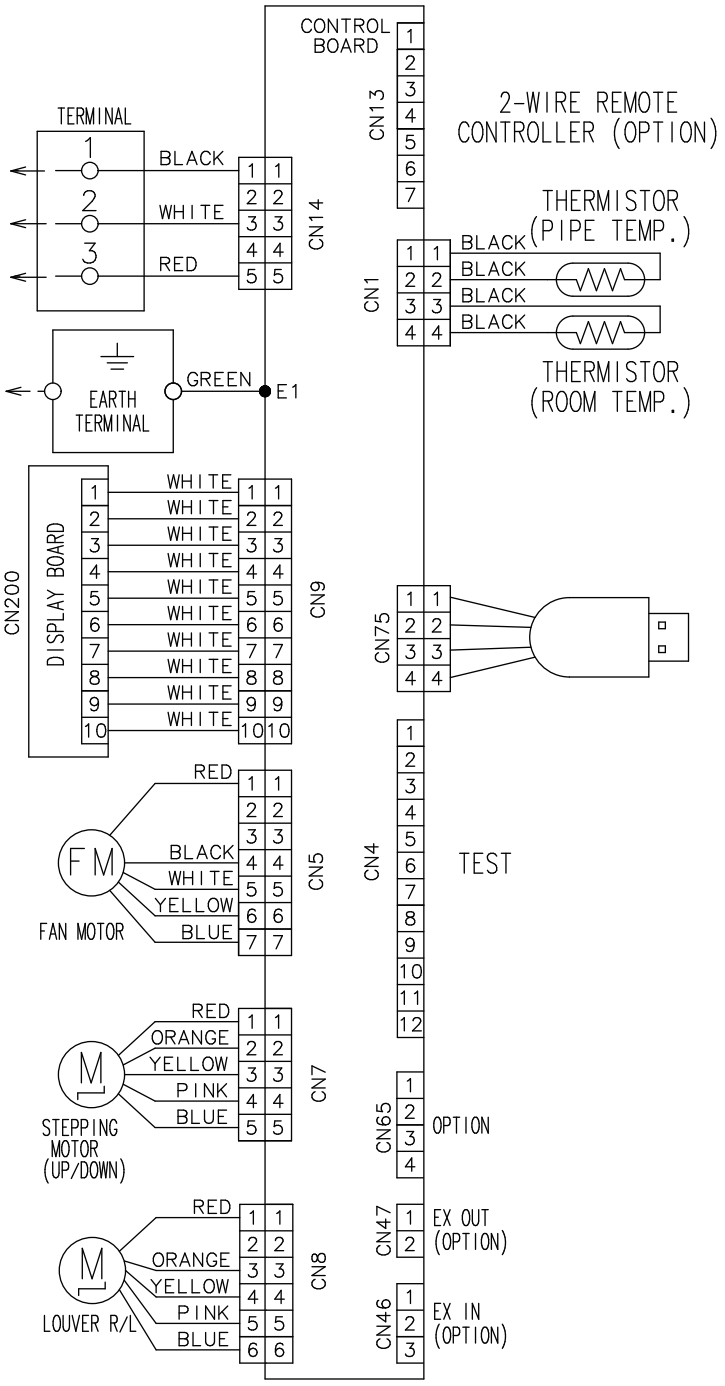
Unit: mm



TECHNICAL DATA AND PARTS LIST

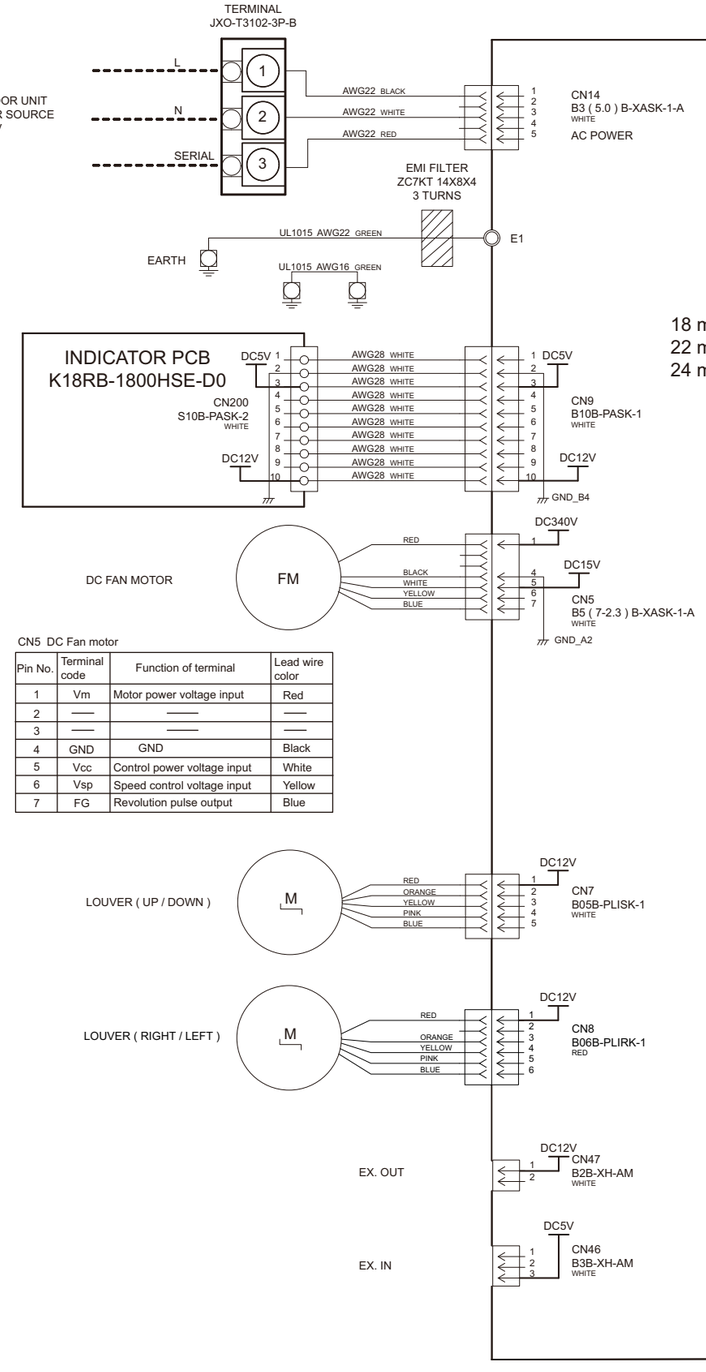
# ■ Model: ASEG18KMTE



# 9-5. Model: ASEG18KMTE

CONTROL UNIT
18 model : EZ-02110HSE
22 model : EZ-02111HSE
24 model : EZ-02112HSE

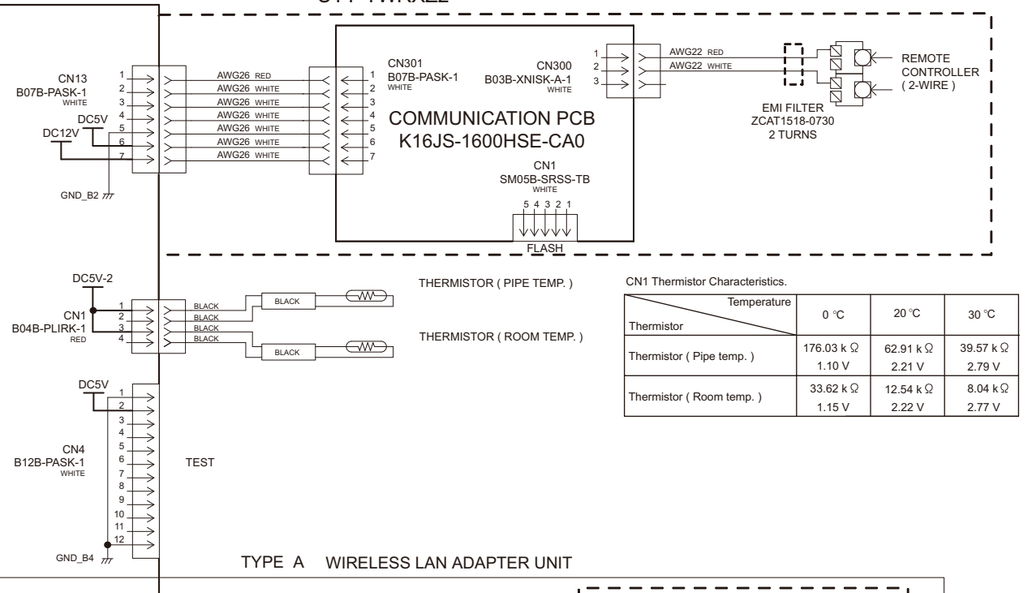
MAIN PCB
18 model : K20AZ-210YHSE-C1
22 model : K20AZ-2110HSE-C1
24 model : K20AZ-2111HSE-C1




CN5 DC Fan motor

| Pin No. | Terminal code | Function of terminal | Lead wire color |
|---|---|---|---|
| 1 | Vm | Motor power voltage input | Red |
| 2 | —— | —— | —— |
| 3 | —— | —— | —— |
| 4 | GND | GND | Black |
| 5 | Vcc | Control power voltage input | White |
| 6 | Vsp | Speed control voltage input | Yellow |
| 7 | FG | Revolution pulse output | Blue |

OPTION (2-WIRE REMOTE CONTROLLER UNIT)
UTY-TWRXZ2





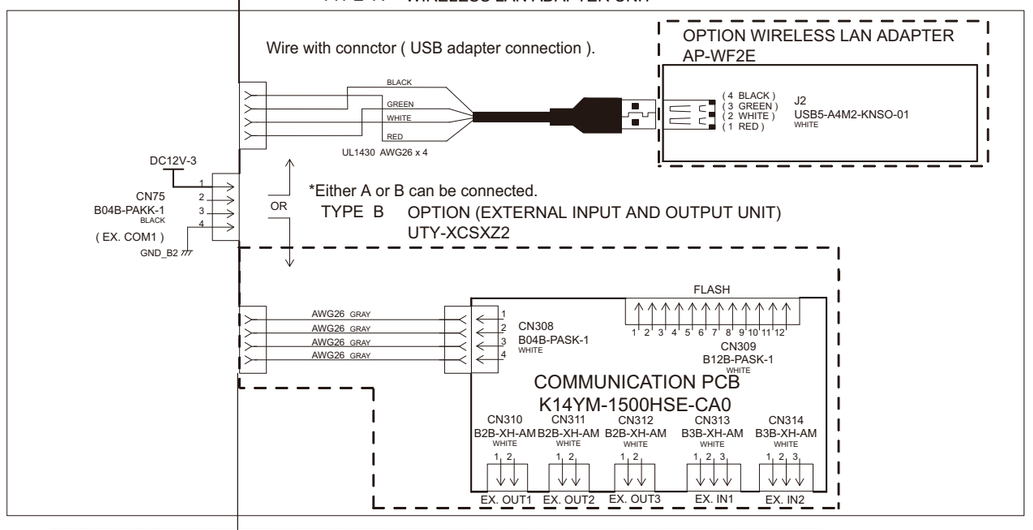


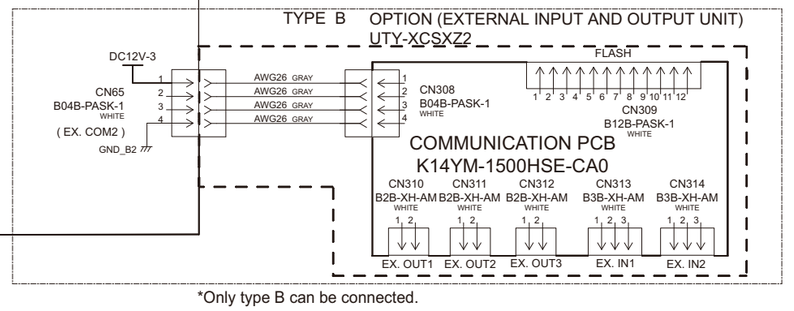
CN1 Thermistor Characteristics.

| Thermistor \ Temperature | 0 ℃ | 20 ℃ | 30 ℃ |
|---|---|---|---|
| Thermistor ( Pipe temp. ) | 176.03 kΩ<br>1.10 V | 62.91 kΩ<br>2.21 V | 39.57 kΩ<br>2.79 V |
| Thermistor ( Room temp. ) | 33.62 kΩ<br>1.15 V | 12.54 kΩ<br>2.22 V | 8.04 kΩ<br>2.77 V |




TYPE A WIRELESS LAN ADAPTER UNIT




*Only type B can be connected.