

Wall mounted unit
Air Conditioning
Technical Data
FTXP-N



FTXP20N5V1B
FTXP25N5V1B
FTXP35N5V1B
FTXP50N2V1B
FTXP60N2V1B
FTXP71N2V1B

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FTXP-N

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1 Features

1 - 1 FTXP-N

Discreet wall mounted unit providing high efficiency and comfort

1

- › Onecta app: control your indoor from any location with an app, via your local network or internet.
- › Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- › Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- › Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- › 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- › The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- › Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- › Seasonal efficiency values up to A++ in cooling and heating
- › Space saving contemporary wall mounted design



| | | | | | | | | |
|---|--|--|---|--|--|---|--|--|
|  Onecta app |  Econo mode |  Energy saving during standby mode |  Night set mode |  Fan only |  Comfort mode |  Powerful mode |  Auto cooling-heating changeover |  Indoor unit silent operation |
|  3-D air flow |  Vertical auto swing |  Horizontal auto swing |  Auto fan speed |  Fan speed steps (5 steps) |  Dry programme |  Silver allergen removal and air purifying filter |  Practically inaudible |  Titanium apatite deodorising filter |
|  Air filter |  24 hour timer |  Infrared remote control |  Auto-restart |  Self diagnosis | | | | |

2 Specifications

2 - 1 Specifications

| Technical specifications | | | | FTXP20N | FTXP25N | FTXP35N | FTXP50N | FTXP60N | FTXP71N | | |
|--------------------------|-------------------|----------|------------------|-------------------------------|---------------------|---------|-------------|---------|---------|------|------|
| Power input | Cooling | Nom. | kW | 0.019 | 0.020 | 0.032 | 0.029 | 0.032 | | | |
| | Heating | Nom. | kW | 0.023 | | 0.032 | | 0.035 | | | |
| Casing | Colour | | | White | | | | | | | |
| Dimensions | Unit | Height | mm | 286 | | | 295 | | | | |
| | | Width | mm | 770 | | | 990 | | | | |
| | | Depth | mm | 225 | | | 263 | | | | |
| | Packed unit | Height | mm | 305 | | | 368 | | | | |
| | | Width | mm | 830 | | | 1,080 | | | | |
| | | Depth | mm | 360 | | | 383 | | | | |
| Weight | Unit | | kg | 8.50 | | 9.00 | | 13.5 | | | |
| | Packed unit | | kg | 10.5 | | 11.0 | | 16 | | | |
| Packing | Weight | | kg | 2.0 | | | 2.5 | | | | |
| Heat exchanger | Length | | mm | 610 | | | 820 | | | | |
| | Rows | Quantity | | | | | 2 | | | | |
| | Fin pitch | | mm | 1.40 | | | 1.4 | | | | |
| | Stages | Quantity | | | | | 18 | | | | |
| | Passes | Quantity | | 2.0 | | | 6 | | | | |
| | Tube type | | | ø5 Hi-XB | | | | | | | |
| | Fin Type | | | ML fin (Multi louver) | | | | | | | |
| | Heat exchanger 2 | Length | | mm | - | | 600 | | 810 | | |
| Rows | | Quantity | | - | | | | 1 | | | |
| Fin pitch | | mm | - | | 1.40 | | 1.4 | | | | |
| Stages | | Quantity | | - | | | | | 8 | | |
| Heat exchanger 3 | Length | | mm | - | | | 810 | | | | |
| | Rows | Quantity | | - | | | 1 | | | | |
| | Fin pitch | | mm | - | | | 1.4 | | | | |
| | Stages | Quantity | | - | | | 4 | | | | |
| Fan | Type | | | Cross flow fan | | | | | | | |
| | Quantity | | | 1 | | | | | | | |
| Fan | Air flow rate | Cooling | High | m ³ /min | 9.5 | 9.7 | 11.5 | 16.3 | 16.8 | | |
| | | | | cfm | 335.1 | 343.3 | 406.1 | 575 | 592 | | |
| | | | | Medium | m ³ /min | 7.4 | 7.7 | 8.3 | 14.0 | 14.4 | |
| | | | | | cfm | 262.0 | 270.2 | 293.1 | 493 | 506 | |
| | | | | Low | m ³ /min | 5.6 | 5.8 | 6.3 | 11.5 | 11.8 | |
| | | | | | cfm | 198.1 | 205.9 | 222.5 | 401 | 417 | |
| | | | | Silent operation | m ³ /min | 4.2 | | 4.5 | 8.3 | 9.2 | 10.1 |
| | | | | | cfm | 146.6 | | 159.0 | 268 | 330 | 365 |
| Fan | Air flow rate | Heating | High | m ³ /min | 10.4 | | 11.5 | 17.3 | 17.9 | | |
| | | | | cfm | 368.0 | | 406.1 | 618 | 632 | | |
| | | | Medium | m ³ /min | 8.1 | | 9.0 | 14.4 | 15.3 | | |
| | | | | cfm | 286.0 | | 317.8 | 510 | 540 | | |
| | | | Low | m ³ /min | 6.2 | 6.4 | 7.0 | 11.8 | 12.4 | | |
| | | | | cfm | 217.9 | 226.0 | 247.2 | 421 | 438 | | |
| | | | Silent operation | m ³ /min | 5.2 | | 5.3 | 10.4 | 11.0 | | |
| | | | | cfm | 182.2 | | 287.0 | 370 | 387 | | |
| Fan motor | Model | | | DFD03C1VB | | | MM9E17S21VA | | | | |
| | Speed | | | 5 + silent, + auto | | | | | | | |
| | Cooling | High | rpm | 1,000 | 1,020 | 1,160 | 1,040 | 1,070 | | | |
| | | | Medium | rpm | 820 | 840 | 890 | 920 | 940 | | |
| | | | Low | rpm | 660 | 680 | 720 | 790 | 810 | | |
| | | | Silent operation | rpm | 530 | | 570 | 600 | 650 | 700 | |
| | Heating | High | rpm | 1,080 | | 1,160 | 1,100 | 1,140 | 1,170 | | |
| | | | Medium | rpm | 880 | | 950 | 940 | 990 | | |
| | | | Low | rpm | 710 | 730 | 780 | 810 | 840 | | |
| | | | Silent operation | rpm | 620 | | 640 | 730 | 760 | | |
| | Output | Rated | W | 22 | | | | 46 | | | |
| | Sound power level | Cooling | | dB(A) | 55 | | 58 | 59.0 | 60.0 | 62.0 | |
| Heating | | | dB(A) | 55 | | 58 | 61.0 | 62.0 | | | |
| Sound pressure level | Cooling | High | dB(A) | 39 | 40 | 43 | 43.0 | 45.0 | 46.0 | | |
| | | | Medium | dB(A) | 33 | | 34 | 39.0 | 41.0 | 42.0 | |
| | | Low | dB(A) | 25 | 26 | 27 | 34.0 | 36.0 | 37.0 | | |
| | | | Silent operation | dB(A) | 19 | | 20 | 27.0 | 30.0 | 32.0 | |
| | Heating | High | dB(A) | 39 | 40 | | | 42.0 | 44.0 | 45.0 | |
| | | | Medium | dB(A) | 34 | | 35 | 38.0 | 40.0 | 41.0 | |
| | | Low | dB(A) | 28 | | | 29 | 33.0 | 35.0 | 36.0 | |
| | | | Silent operation | dB(A) | 21 | | | 30.0 | 32.0 | 33.0 | |
| Piping connections | Liquid | OD | mm | 6 | | | 6.4 | | | | |
| | Gas | OD | mm | 9.50 | | | 12.7 | | | | |
| | Drain | | | 18 | | | | | | | |
| | Heat insulation | | | Both liquid and gas pipes | | | | | | | |
| Air filter | Type | | | Removable / washable | | | | | | | |
| Air direction control | | | | Left, right, up and downwards | | | | | | | |

2 Specifications

2 - 1 Specifications

2

| Technical specifications | | FTXP20N | FTXP25N | FTXP35N | FTXP50N | FTXP60N | FTXP71N |
|--------------------------|-------------------------|-----------------------|---------|---------|-----------|---------|---------|
| Temperature control | | Microcomputer control | | | | | |
| Control systems | Infrared remote control | ARC480A78 | | | ARC480A53 | | |
| | Wired remote control | BRC944B2 / BRC073A1 | | | - | | |

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Operation manual;Quantity: 1;

Standard accessories: Infrared remote control;Quantity: 1;

Standard accessories: AAA dry-cell batteries;Quantity: 2;

Standard accessories: Remote control holder;Quantity: 1;

Standard accessories: Mounting plate;Quantity: 1;

Standard accessories: Titanium apatite deodorizing filter;Quantity: 1;

Standard accessories: Silver particle filter;Quantity: 1;

Standard accessories: Indoor unit fixing screws;Quantity: 2;

Standard accessories: General safety precautions;Quantity: 1;

Standard accessories: WLAN adapter kit;Quantity: 1;

| Electrical specifications | | | | FTXP20N | FTXP25N | FTXP35N | FTXP50N | FTXP60N | FTXP71N | |
|---------------------------|--------------------------------------|---------|---|---------|---------|---------|---------|---------|---------|--|
| Power supply | Name | | | - | | | V1 | | | |
| | Phase | | | | | | 1~ | | | |
| | Frequency | Hz | | | | | | 50 | | |
| | Voltage | V | | | | | | 220-240 | | |
| Current | Nominal running current (RLA) - 50Hz | Heating | A | - | | | 0.34 | 0.37 | 0.40 | |
| | Nominal running current (RLA) | Cooling | A | - | | | 0.32 | 0.34 | | |

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m |

Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m (horizontal) |

See separate drawing for electrical data

3 Options

3 - 1 Options

FTXP20-35N

| Option kit | Product name | Remark | Applicable models | | | | | | | | | | | | | | | | | |
|--|---------------|--------|-------------------|-------------|-------------|-------------|-------------|-------------|----|---------|------|----|---------|------|----|---------|------|----|---------|------|
| | | | FTXP20N5V1B | FTXP25N5V1B | FTXP35N5V1B | ATXP20N5V1B | ATXP25N5V1B | ATXP35N5V1B | | | | | | | | | | | | |
| | | | Class | Casing | Factory | | | | | | | | | | | | | | | |
| | | | 20 | BMS-R32 | DTAS | 25 | BMS-R32 | DTAS | 35 | BMS-R32 | DTAS | 20 | BMS-R32 | DTAS | 25 | BMS-R32 | DTAS | 35 | BMS-R32 | DTAS |
| Wi-Fi adaptor for smartphones (Onecta App Adapter "Cartridge") | BRP069C47 | ① | | | | | | | | | | | | | | | | | | |
| Wired remote control | BRC073A1 | ② ④ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Wired remote control | BRC944B2 | | | | | | | | | | | | | | | | | | | |
| Extension cord for wired remote control (-3-m) | BRCW901A03 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Extension cord for wired remote control (-5-m) | BRCW901A08 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Interface adaptor for wired remote control | KRP067A41 | ③ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Interface adaptor for wired remote control | KRP980B1 | ③ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Interface adaptor for wired remote control | EKRP980B2 | | | | | | | | | | | | | | | | | | | |
| Centralised control board (up to ·5· rooms) | KRC72A | | | | | | | | | | | | | | | | | | | |
| Wiring adaptor (normal open contact - normal open pulse contact) | KRP413AB1S | ② ④ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Interlligent Touch Manager | DCM601A5A | ② ④ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Interface adaptor for DIII-NET | KRP928BB2S | ② ④ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Central remote control | DCS302CA51 | ② ④ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Unified ON/OFF controller | DCS301BA51/61 | ② ④ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Schedule timer | DST301BA51/61 | ② ④ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Titanium apatite deodorising filter without frame | KAF971A42 | | | | | | | | | | | | | | | | | | | |
| Titanium apatite deodorising filter without frame | KAF952B42 | | | | | | | | | | | | | | | | | | | |
| Titanium apatite deodorising filter without frame | KAF970A46 | ⑤ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Honeycomb deodorising and air-purifying filter without frame | KAF968A42 | | | | | | | | | | | | | | | | | | | |
| Honeycomb deodorising filter with frame | KAZ917B41 | | | | | | | | | | | | | | | | | | | |
| Honeycomb deodorising filter without frame | KAZ917B42 | | | | | | | | | | | | | | | | | | | |
| Air-purifying filter with frame | KAF925B41 | | | | | | | | | | | | | | | | | | | |
| Honeycomb deodorising and air-purifying filter with frame | KAF046A41 | | | | | | | | | | | | | | | | | | | |
| Anti-theft protection for remote control | KKF910AA4 | | | | | | | | | | | | | | | | | | | |
| Anti-theft protection for remote control | KKF917AA4 | | | | | | | | | | | | | | | | | | | |
| Anti-theft protection for remote control | KKF936A4 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Installation frame for floor-standing units | BKS028A4 | | | | | | | | | | | | | | | | | | | |
| Optional remote control BRC480A54 for heating-only indoor units | BRC54A | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Silver particle filter (Ag-ion) with frame | KAF057A41 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Modbus interface | EKMBDXA7V1 | ② ④ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Modbus Gateway | RTD-RA | ② ④ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| KNX interface | KLIC-DD | ② ④ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Notes

- ① Standard equipped
- ② To connect this option to the indoor unit, Interface adaptor .KRP067A41. (or .KRP980B1.) is required.
- ③ This option feature a(n) .S21. connector .KRP067A41. is only .S21. PCB.
.KRP980B1. is S21 PCB and adaptor casing - however adaptor plastic casing are not required for installation to the unit.
- ④ This option can not operate together with the wireless LAN functionality.
When connecting this option to the indoor unit ,turn off the indoor unit's wireless LAN functionality.
- ⑤ Standard accessory

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3 Options

3 - 1 Options

3

FTXP50-71N

| Option kit | Product name | Remark | Applicable models | | | Casing | | Factory | |
|--|--------------|--------|-------------------|-------------|-------------|--------|----|---------|------|
| | | | FTXP50N2V1B | FTXP60N2V1B | FTXP71N2V1B | 50 | 71 | DICz | DICz |
| Wired remote control | BRC073A1 | | ✓ | ✓ | ✓ | | | | |
| Wired remote control | BRC944B2 | | | | | BML | | | |
| Extension cord for wired remote control (-3-m) | BRCW901A03 | | ✓ | ✓ | ✓ | | | | |
| Extension cord for wired remote control (-5-m) | BRCW901A08 | | ✓ | ✓ | ✓ | | | | |
| Interface adaptor for wired remote control | KRP980B1 | | | | | | | | |
| Interface adaptor for wired remote control | EKRP067A41 | | | | | | | | |
| Interface adaptor for wired remote control | EKRP980B2 | | | | | | | | |
| Centralised control board (up to -5- rooms) | KRC72A | | | | | | | | |
| Wiring adaptor (normal open contact - normal open pulse contact) | KRP413AB1S | | | | | | | | |
| Wi-Fi adaptor for smartphones | BRP069B41 | ④ ⑤ | | | | | | | |
| Wi-Fi adaptor for smartphones | BRP069B42 | ⑤ | | | | | | | |
| Wi-Fi adaptor for smartphones | BRP069B43 | ⑤ | | | | | | | |
| Wi-Fi adaptor for smartphones | BRP069A44 | ⑥ | | | | | | | |
| Wi-Fi adaptor for smartphones | BRP069B45 | ⑤ | | | | | | | |
| Interface adaptor for DIII-NET | KRP928BB2S | | ✓ | ✓ | ✓ | | | | |
| Central remote control | DCS302CA51 | | | | | | | | |
| Unified ON/OFF controller | DCS301BA51 | | | | | | | | |
| Schedule timer | DST301BA51 | | | | | | | | |
| Titanium apatite deodorising filter without frame | KAF971A42 | ① | | | | | | | |
| Titanium apatite deodorising filter without frame | KAF952B42 | ③ | | | | | | | |
| Titanium apatite deodorising filter without frame | KAF970A46 | ② | ✓ | ✓ | ✓ | | | | |
| Honeycomb deodorising and air-purifying filter without frame | KAF968A42 | | | | | | | | |
| Honeycomb deodorising filter with frame | KAZ917B41 | | | | | | | | |
| Honeycomb deodorising filter without frame | KAZ917B42 | | | | | | | | |
| Air-purifying filter with frame | KAF925B41 | | | | | | | | |
| Honeycomb deodorising and air-purifying filter with frame | KAF046A41 | | | | | | | | |
| Anti-theft protection for remote control | KKF910AA4 | | | | | | | | |
| Anti-theft protection for remote control | KKF917AA4 | | | | | | | | |
| Anti-theft protection for remote control | KKF936A4 | | ✓ | ✓ | ✓ | | | | |
| Installation frame for floor-standing units | BKS028A4 | | | | | | | | |
| Optional remote control BRC480A54 for heating-only indoor units | BRC54A | ⑦ | ✓ | ✓ | ✓ | | | | |

LEGEND

- ① Three-dimensional knitted fabric (-42x275-mm) + activated charcoal net
- ② Three-dimensional knitted fabric (-42x255-mm) + activated charcoal net
- ③ Corrugated fiberboard (-42x275-mm)
- ④ Without connection cable
- ⑤ Option -BRP069A**, was replaced by option -BRP069B**.
- ⑥ This option is no longer produced.
- ⑦ Only for France

NOTES

- 1. R32 models

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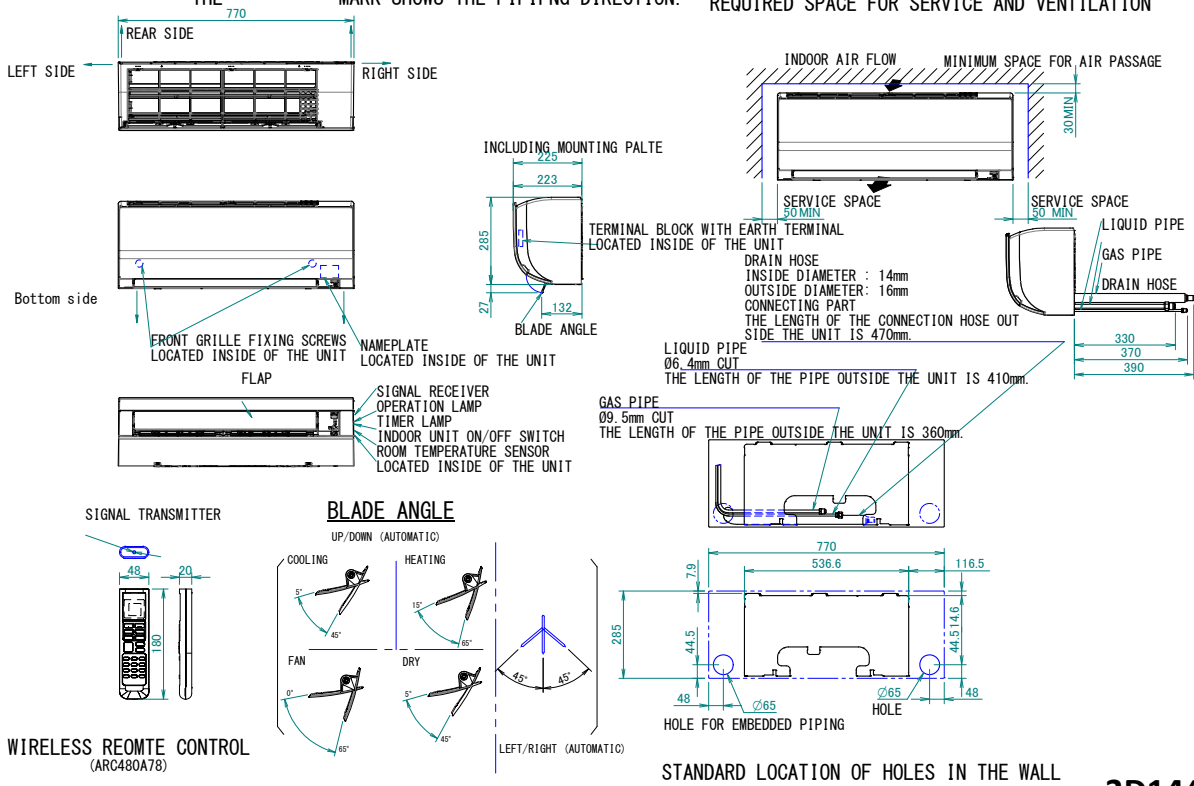
4 Dimensional drawings

4 - 1 Dimensional Drawings

ATXP-N FTXP20-35N

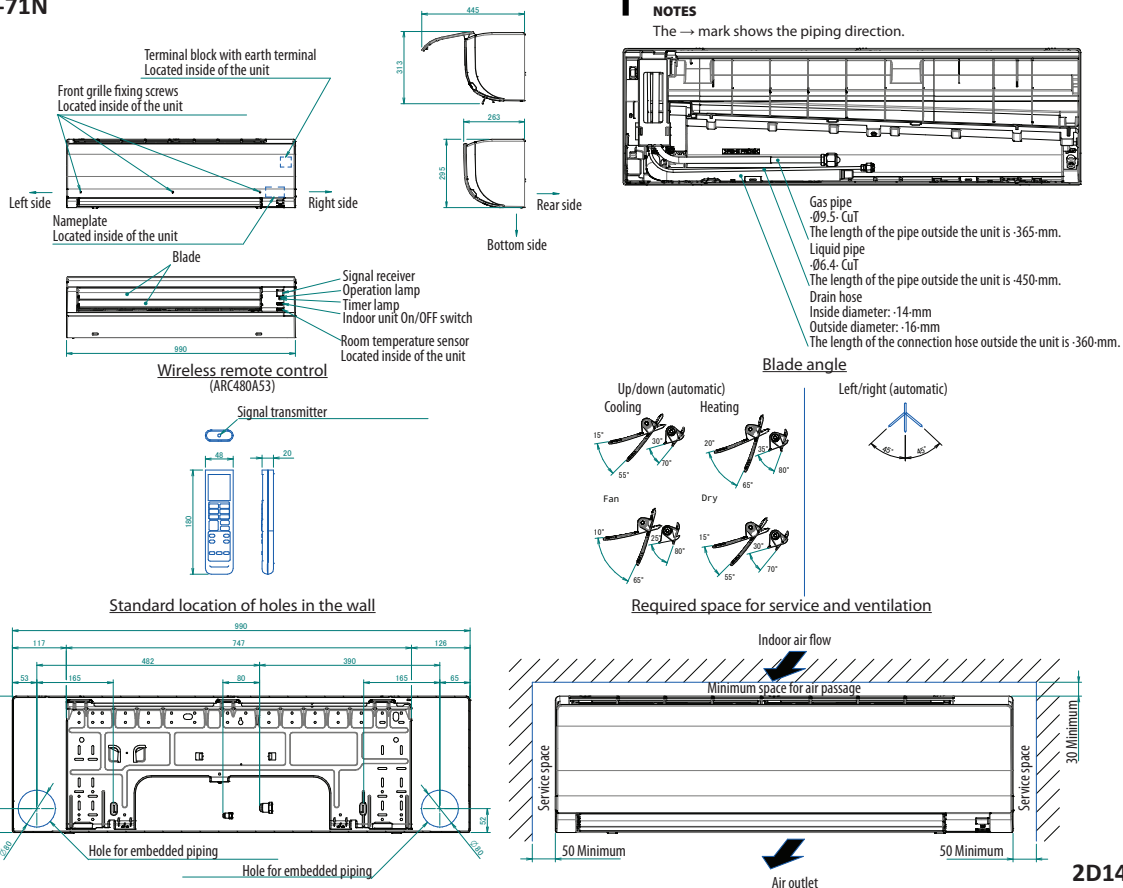
THE " → " MARK SHOWS THE PIPING DIRECTION.

REQUIRED SPACE FOR SERVICE AND VENTILATION



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FTXP50-71N



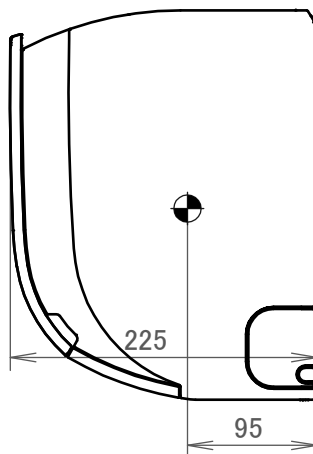
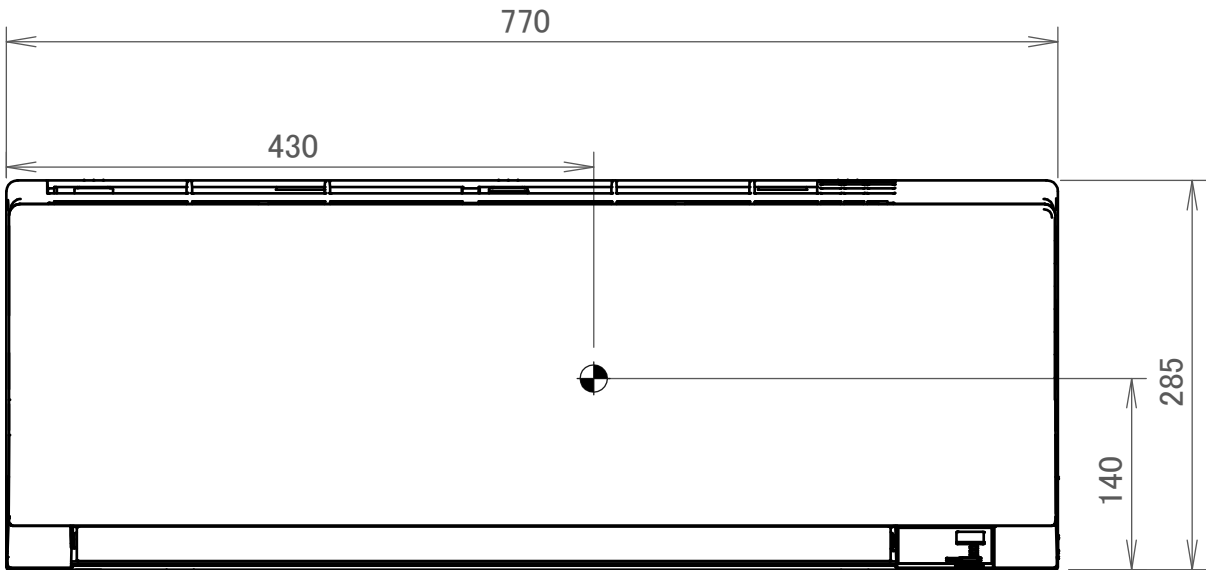
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5 Centre of gravity

5 - 1 Centre of Gravity

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FTXP20-35N

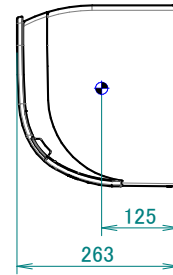
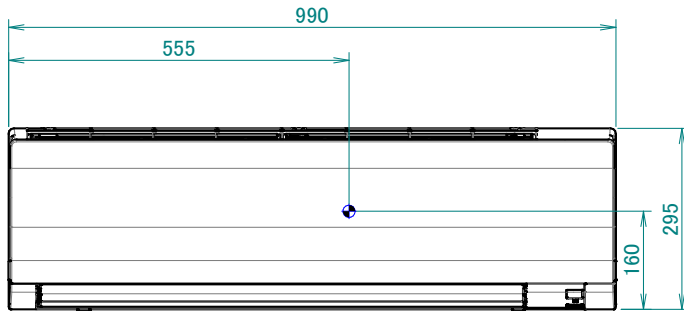


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5 Centre of gravity

5 - 1 Centre of Gravity

FTXP50-71N



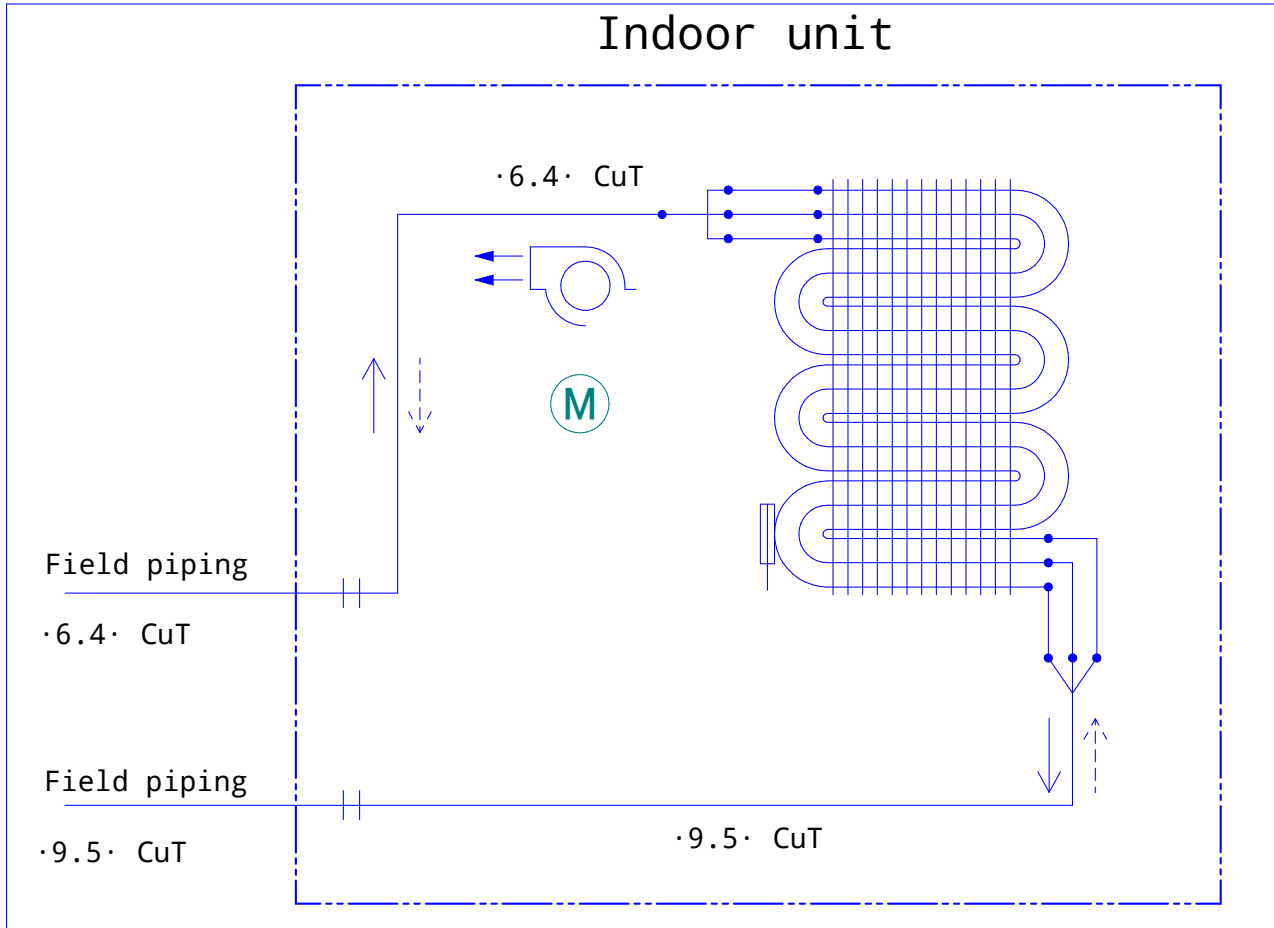
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6 Piping diagrams

6 - 1 Piping Diagrams

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FTXP20-25N





Refrigerant flow


→ Cooling

- - - -> Heating

 Crossflow fan

 Fan motor

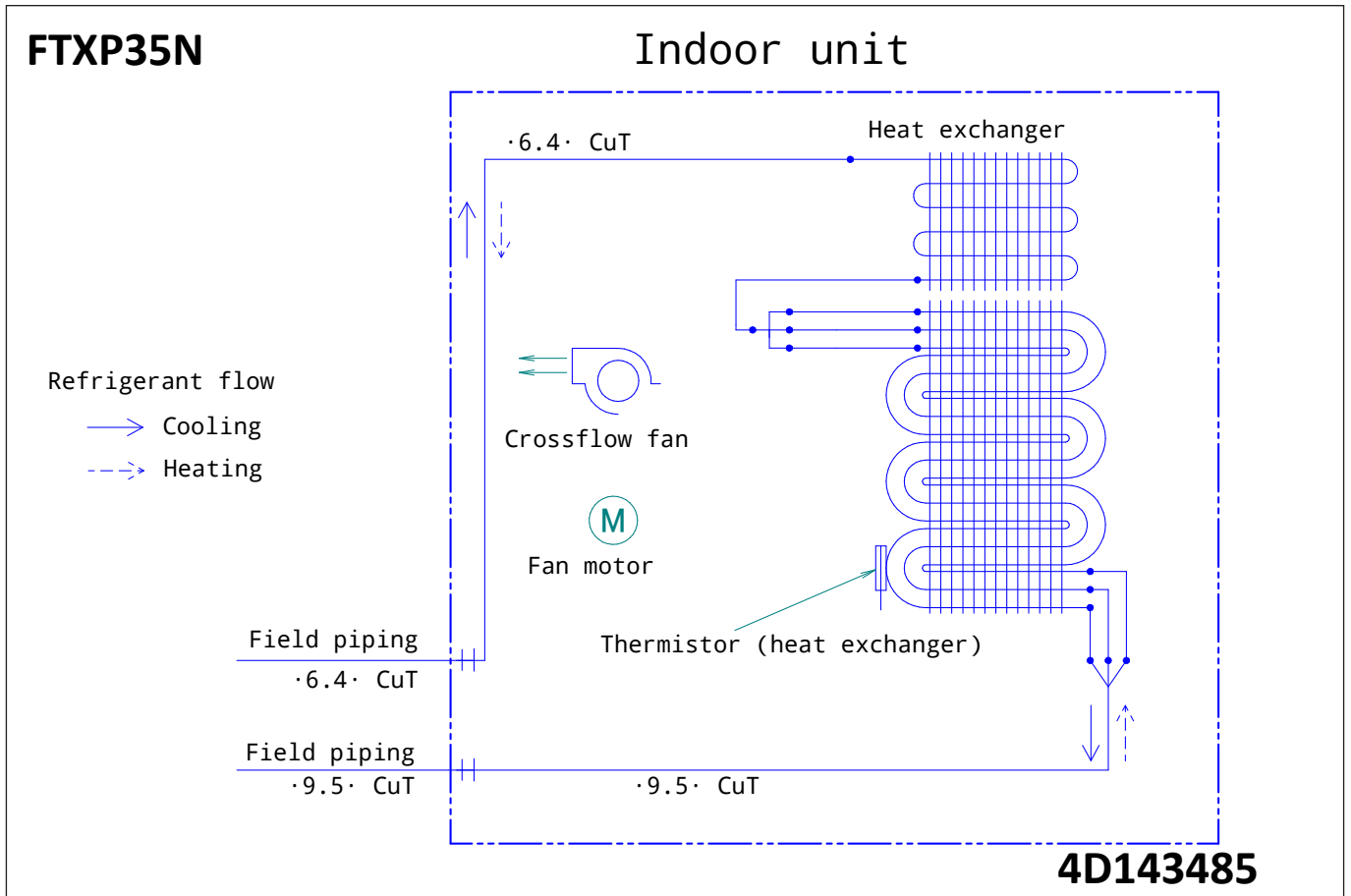
 Thermistor (heat exchanger)

 Heat exchanger

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6 Piping diagrams

6 - 1 Piping Diagrams



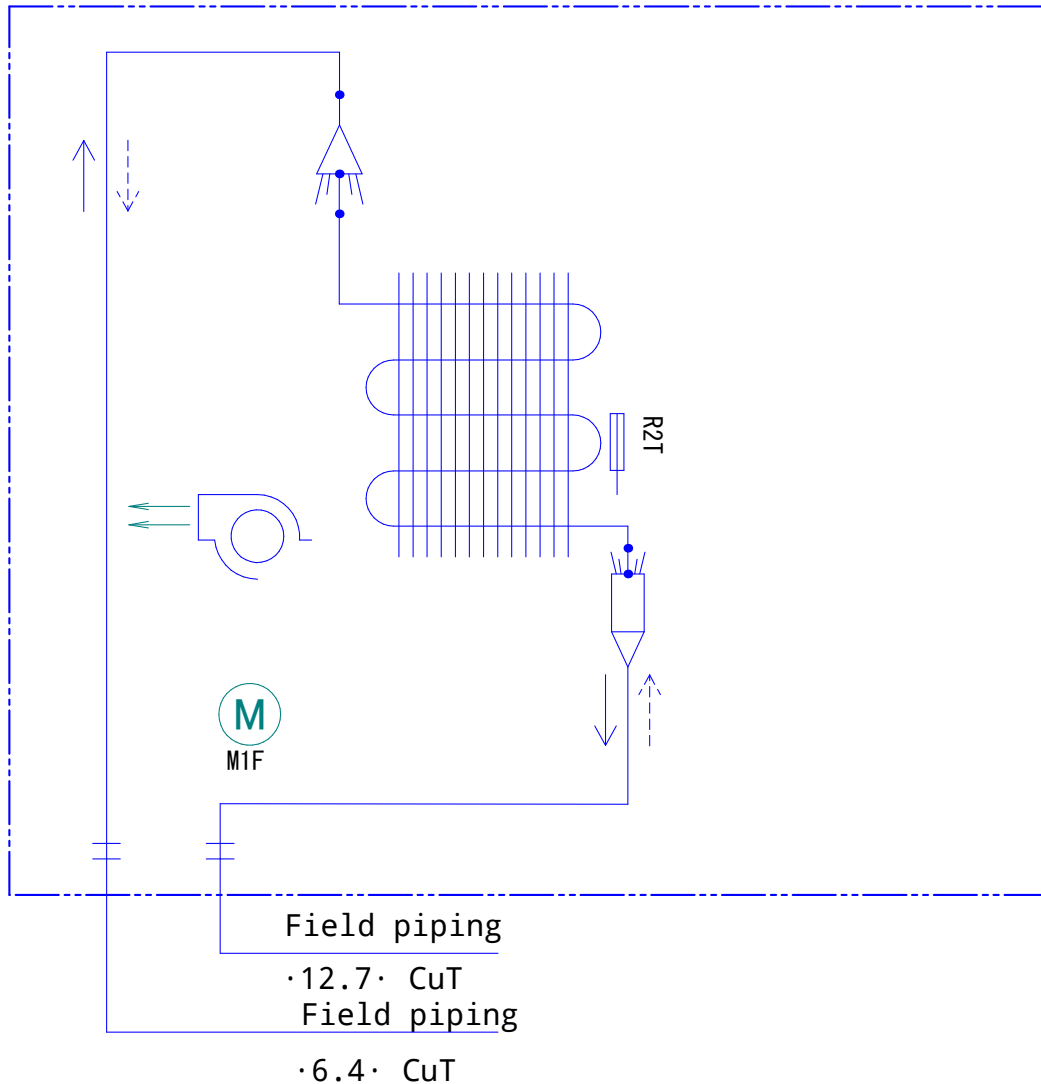
6 Piping diagrams

6 - 1 Piping Diagrams

6

FTXP50-71N

Indoor unit



Refrigerant flow

→ Cooling

- - - -> Heating

Legend

- Fan motor
- Distributor
- Heat exchanger
- Crossflow fan
- Thermistor (heat exchanger)

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7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

FTXP20-35N **Wiring diagram**

Field wiring: [Diagram showing field wiring connections]

CAUTION
When the main power is turned off and then back on again, operation will resume automatically.

NOTES
1. Size : length 70 x width 120
2. Unless otherwise specified refer to purchasing specification AS303002.

| | |
|------------|--------------------------|
| A1~4P | Printed circuit board |
| BZ | Buzzer |
| FG | Frame ground |
| FU | Fuse |
| HK1~HK2 | Harness |
| IPM200 | Intelligent power module |
| LED1, LED2 | Light-emitting diode |
| M1F | Fan motor |
| M1S, M2S | Swing motor |
| MR10 | Magnetic relay |
| R1T, R2T | Thermistor |
| S1-S800 | Connector |
| S1W | Operation switch |
| V1 | Varistor |
| X1M | Terminal strip |
| Z1C | Ferrite core |
| ⊕ | Protective earth |
| ⊥ | Earth |
| Ⓡ | Rectifier |

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FTXP50-71N **Wiring diagram**

Wire colors
BLK : black
RED : red
BLU : blue
WHT : white
GRN : green
YLW : yellow
ORG : orange

Field wiring: [Diagram showing field wiring connections]

CAUTION
When the main power is turned off and then back on again, operation will resume automatically.

| | |
|--------------------|--------------------------|
| FG, HE, S6 S900 | Connector |
| F1U (FU1) | Fuse |
| T1R (L301) | Transformer |
| M1F | Fan motor |
| M1S, M2S | Swing motor |
| K1R (MR10) | Magnetic relay |
| A1P~A4P | Printed circuit board |
| R1T, R2T | Thermistor |
| BS1 (S1W) | Operation switch |
| R2V (V2) | Varistor |
| X1M | Terminal strip |
| Z1C, Z2C | Ferrite core |
| IPM201~203 | Intelligent power module |
| H1P, H2P (LED 1~2) | Pilot lamp |
| ⊕ | Protective earth |
| V1R (DB301) | Diode bridge |
| H10 (BZ) | Buzzer |
| C101~302 | Capacitor |
| SR (WLU) | Signal receiver |

3D142306A

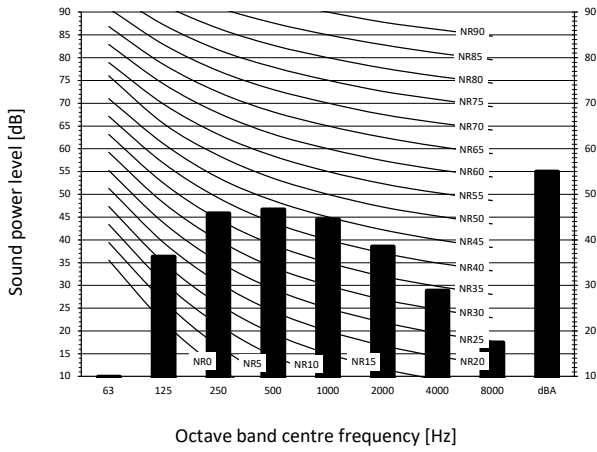
8 Sound data

8 - 1 Sound Power Spectrum

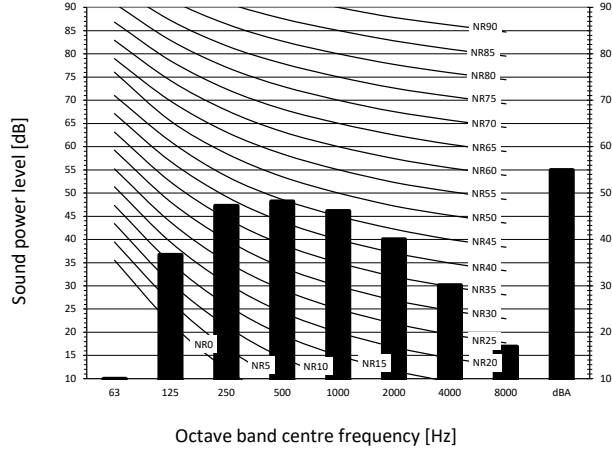
8

FTXP20-25N

Cooling mode



Heating mode



Fan speed: High

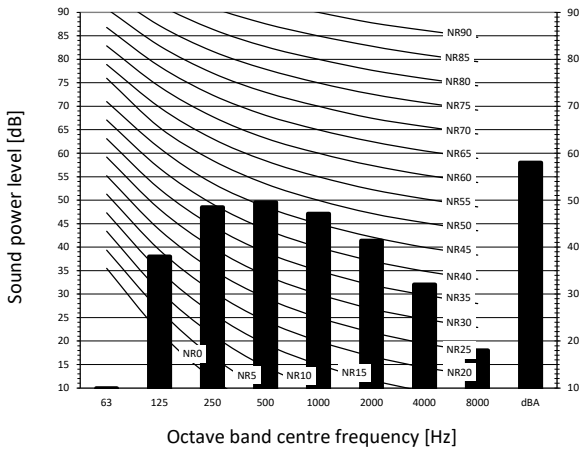
Notes

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = 20 μPa
3. Measured according to ISO 3744

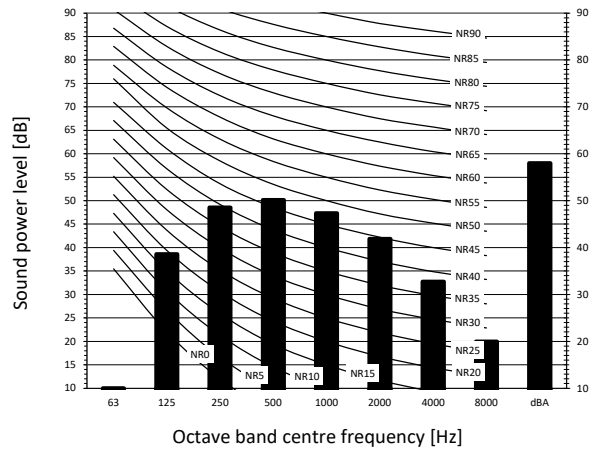
4D145078

FTXP35N

Cooling mode



Heating mode



Fan speed: High

Notes

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = 20 μPa
3. Measured according to ISO 3744

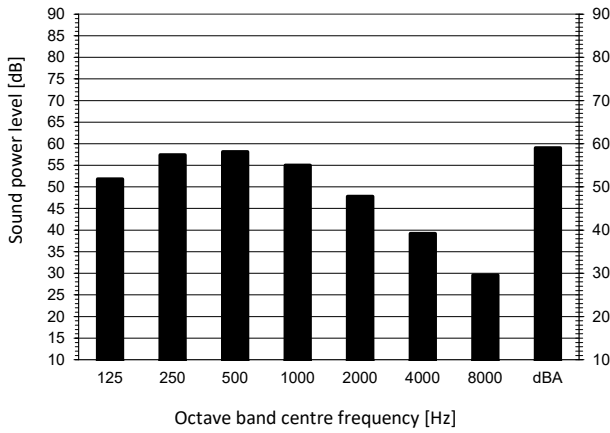
4D145080

8 Sound data

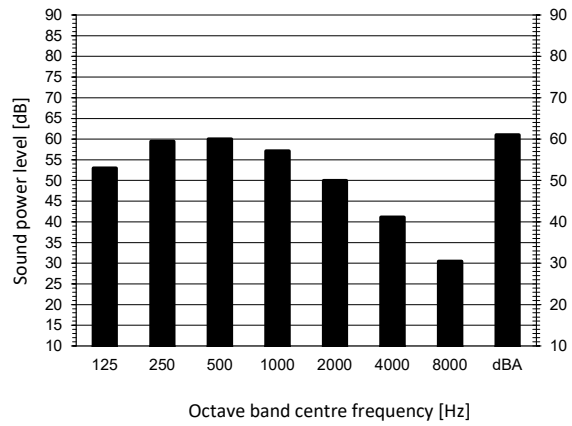
8 - 1 Sound Power Spectrum

FTXP50N

Cooling mode



Heating mode



Fan speed: High

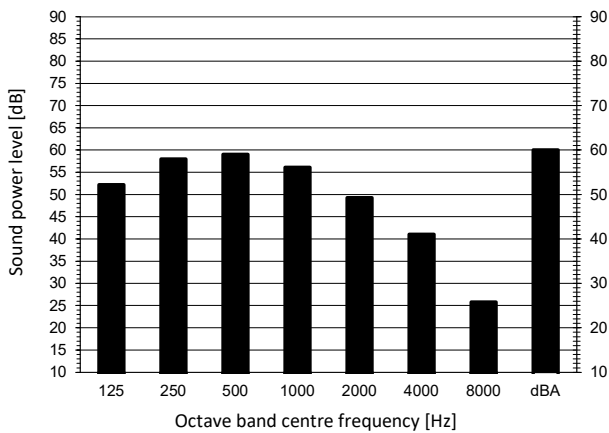
Notes

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = $\cdot 10E-6 \cdot \mu W$
3. Measured according to ISO 3744

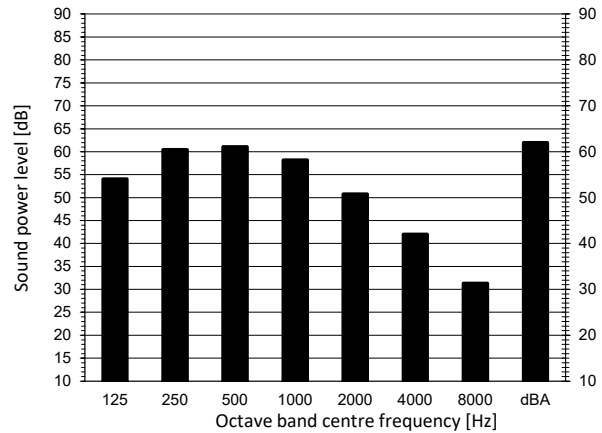
4D142738

FTXP60N

Cooling mode



Heating mode



Fan speed: High

Notes

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = $\cdot 10E-6 \cdot \mu W$
3. Measured according to ISO 3744

4D142739

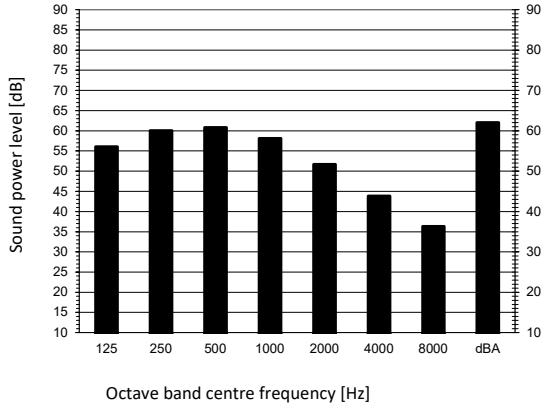
8 Sound data

8 - 1 Sound Power Spectrum

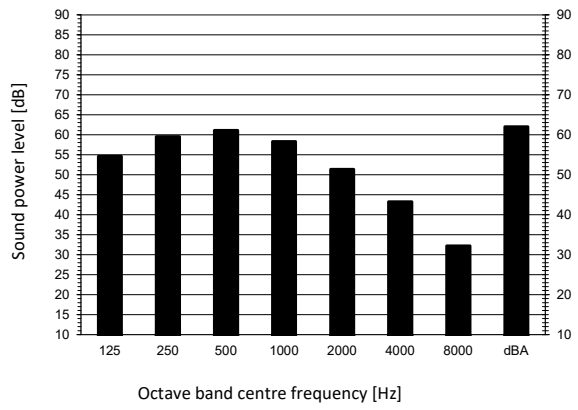
8

FTXP71N

Cooling mode



Heating mode



■ Fan speed: High

Notes

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = 10^{-6} W
3. Measured according to ISO 3744

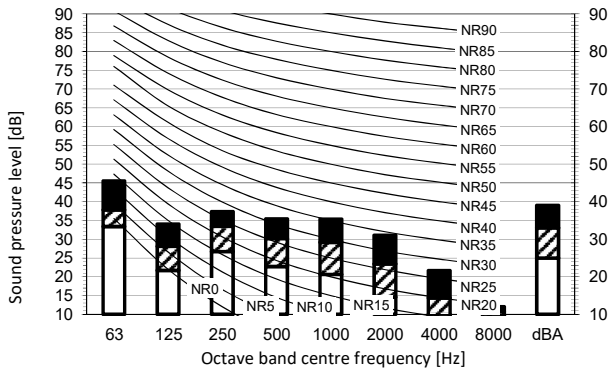
4D142749

8 Sound data

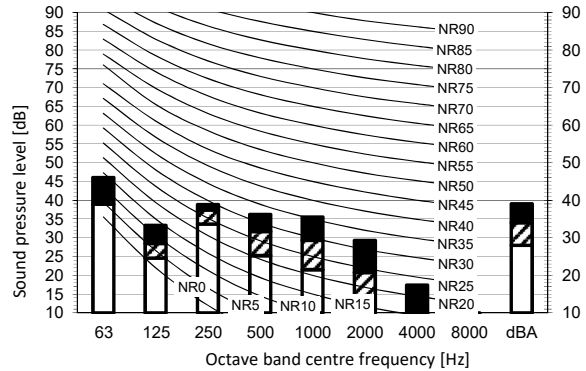
8 - 2 Sound Pressure Spectrum

FTXP20N

Cooling mode



Heating mode

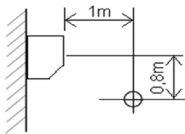


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

- A Scale Fan speed
- B High
- C Medium
- D Low

Location of microphone



| Cooling | | Total dB | |
|---------|----|----------|----|
| A | B | C | D |
| dBA | 39 | 33 | 25 |

| Heating | | Total dB | |
|---------|----|----------|----|
| A | B | C | D |
| dBA | 39 | 34 | 28 |

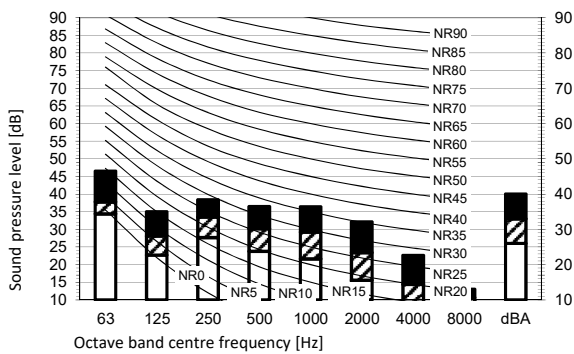
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

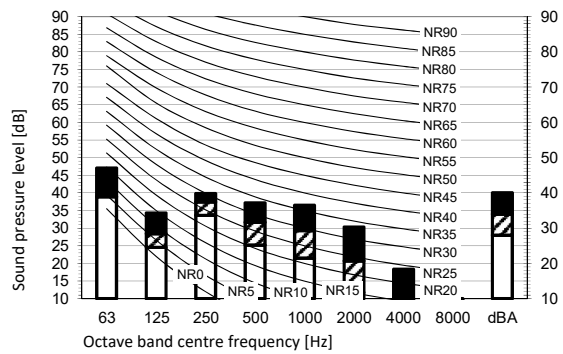
3D121480

FTXP25N

Cooling mode



Heating mode

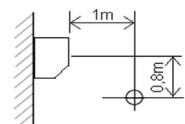


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

- A Scale Fan speed
- B High
- C Medium
- D Low

Location of microphone



| Cooling | | Total dB | |
|---------|----|----------|----|
| A | B | C | D |
| dBA | 40 | 33 | 26 |

| Heating | | Total dB | |
|---------|----|----------|----|
| A | B | C | D |
| dBA | 40 | 34 | 28 |

Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

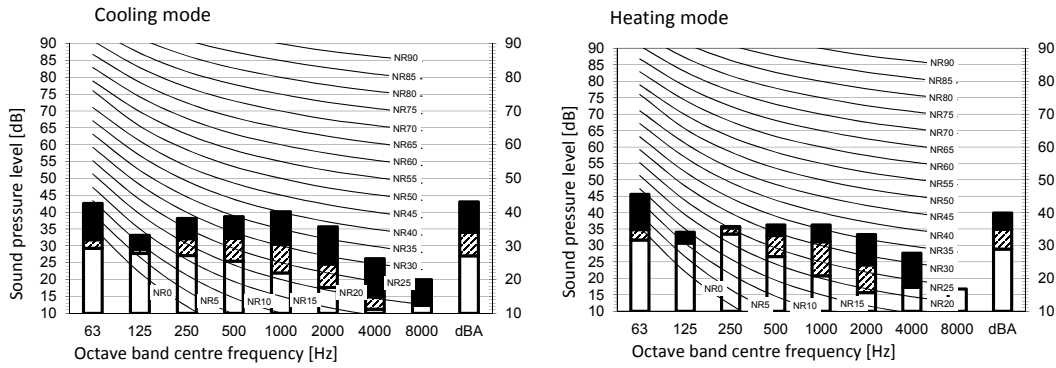
3D121481

8 Sound data

8 - 2 Sound Pressure Spectrum

8

FTXP35N



Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

| A | Scale | Fan speed |
|---|-------|-----------|
| B | █ | High |
| C | ▨ | Medium |
| D | □ | Low |

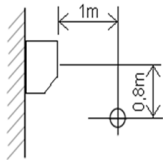
| Cooling | | Total dB | |
|---------|----|----------|----|
| A | B | C | D |
| dBA | 43 | 34 | 27 |

| Heating | | Total dB | |
|---------|----|----------|----|
| A | B | C | D |
| dBA | 40 | 35 | 29 |

Notes

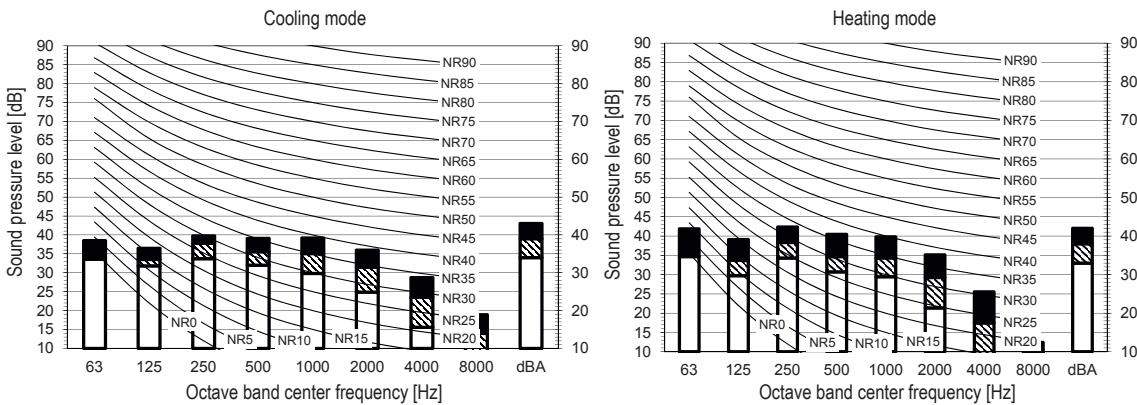
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

Location of microphone



3D108791A

FTXP50N

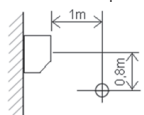


LEGEND

dBA = A-weighted sound pressure level (A scale according to IEC).

| A | Scale | Fan speed |
|---|-------|-----------|
| B | █ | High |
| C | ▨ | Medium |
| D | □ | Low |

Location of microphone



| Cooling | | Total dB | |
|---------|----|----------|----|
| A | B | C | D |
| dBA | 43 | 39 | 34 |

| Heating | | Total dB | |
|---------|----|----------|----|
| A | B | C | D |
| dBA | 42 | 38 | 33 |

NOTES

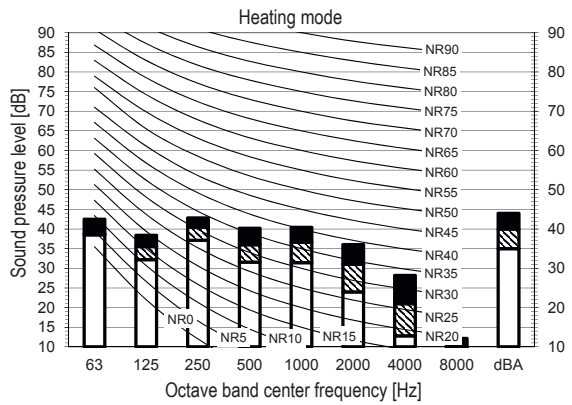
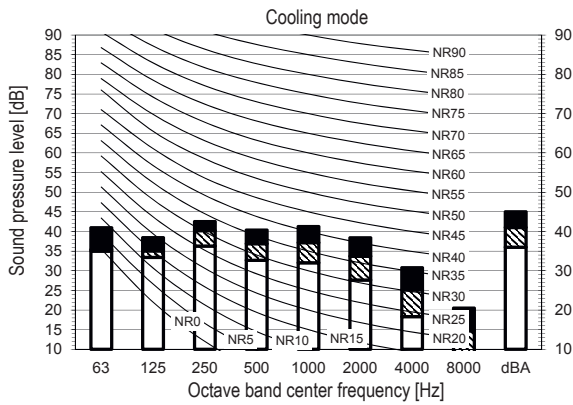
1. Operating conditions: power source 220-240 V 50 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D108792B

8 Sound data

8 - 2 Sound Pressure Spectrum

FTXP60N

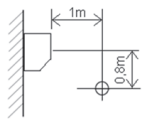


LEGEND

dBA = A-weighted sound pressure level (A scale according to IEC).

- A Scale
- B Fan speed: High
- C Fan speed :Medium
- D Fan speed: Low

Location of microphone



Cooling Total db

| | | | |
|-----|----|----|----|
| A | B | C | D |
| dBA | 45 | 41 | 36 |

Heating Total dB

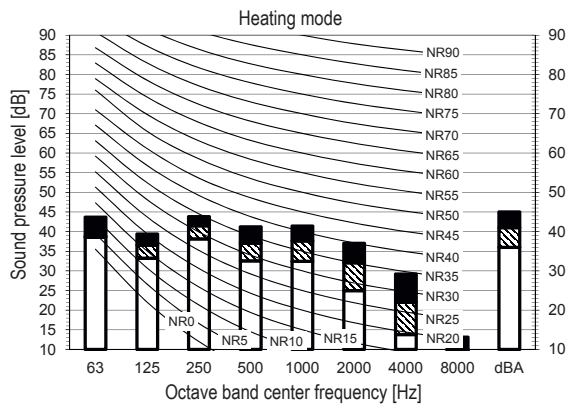
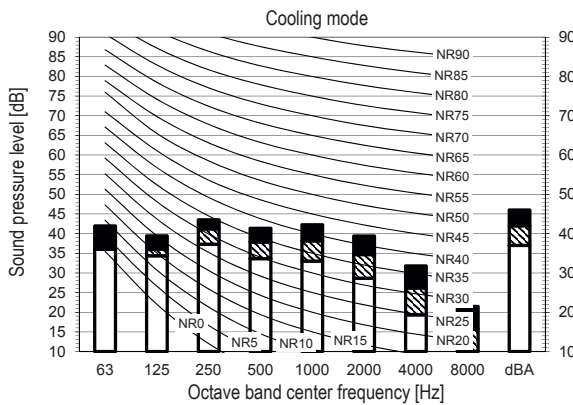
| | | | |
|-----|----|----|----|
| A | B | C | D |
| dBA | 44 | 40 | 35 |

NOTES

1. Operating conditions: power source 220-240 V 50Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D115179A

FTXP71N

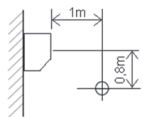


LEGEND

dBA = A-weighted sound pressure level (A scale according to IEC).

- A Scale
- B Fan speed: High
- C Fan speed :Medium
- D Fan speed: Low

Location of microphone



Cooling Total db

| | | | |
|-----|----|----|----|
| A | B | C | D |
| dBA | 46 | 42 | 37 |

Heating Total dB

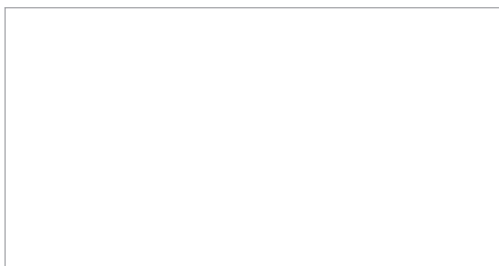
| | | | |
|-----|----|----|----|
| A | B | C | D |
| dBA | 45 | 41 | 36 |

NOTES

1. Operating conditions: power source 220-240 V 50 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D115180A

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EEDEN23A

02/2023



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