



technical data

Concealed Ceiling Unit (Large)
FXMQ-MAVE

air conditioning systems

R-410A



technical data

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air conditioning systems

R-410A

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FXMQ-MAVE

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1 Specifications

| 1-1 TECHNICAL SPECIFICATIONS | | | | FXMQ200MAVE | FXMQ250MAVE | |
|------------------------------|---------------------------------------|---------------------|----------------|---|------------------|------------|
| Capacity | Cooling | | kW | 22.4 | 28.0 | |
| | Heating | | kW | 25.0 | 31.5 | |
| Power Input (50Hz) | Cooling | | kW | 1.294 | 1.465 | |
| | Heating | | kW | 1.294 | 1.465 | |
| Power Input (60Hz) | Cooling | | kW | 1.490 | 1.684 | |
| | Heating | | kW | 1.490 | 1.684 | |
| Casing | Material | | | Galvanised steel | | |
| Dimensions | Unit | Height | mm | 470 | 470 | |
| | | Width | mm | 1,380 | 1,380 | |
| | | Depth | mm | 1,100 | 1,100 | |
| Weight | Unit | | kg | 137 | 137 | |
| Heat Exchanger | Dimensions | Nr of Rows | | 3 | 3 | |
| | | Fin Pitch | mm | 2.0 | 2.0 | |
| | | Face Area | m ² | 0.68 | 0.68 | |
| | | Nr of Stages | | 26 | 26 | |
| Fan | Type | | | Sirocco fan | | |
| | Quantity | | | 2 | 2 | |
| Cooling | High | m ³ /min | | 58 | 72 | |
| | Low | m ³ /min | | 50 | 62 | |
| Fan | External static pressure (Max) (50Hz) | High | Pa | 221 | 270 | |
| | | Standard | Pa | 132 | 147 | |
| | External static pressure (Max) (60Hz) | High | Pa | 270 | 191 | |
| | | Standard | Pa | 172 | | |
| | Motor | Quantity | | | 2 | 2 |
| | | Model | | | D13/4G2DA1 | D13/4G2DA1 |
| Output (high) | | W | | 380 | 380 | |
| Drive | | | Direct drive | | | |
| Refrigerant | Name | | | R-410A | | |
| Cooling | Sound Pressure | High | dB(A) | 48 | 48 | |
| | | Low | dB(A) | 45 | 45 | |
| Piping connections | Liquid (OD) | Type | | | Flare connection | |
| | | Diameter | mm | | 9.52 | 9.52 |
| | Gas | Type | | | Braze connection | |
| | | Diameter | mm | | 19.1 | 22.2 |
| | Drain | Diameter | mm | | PS1B | PS1B |
| Heat Insulation | | | Glass fiber | | | |
| Refrigerant control | | | | Electronic expansion valve | | |
| Temperature control | | | | Microprocessor thermostat for cooling and heating | | |
| Safety devices | | | | Fuse | | |
| | | | | Fan motor thermal protector | | |
| Standard Accessories | | | | Operation manual | | |
| | | | | Installation manual | | |
| | | | | Connection pipes | | |
| | | | | Sealing pads | | |
| | | | | Clamps | | |
| | | | | Screws | | |
| | | | | Insulation for fitting | | |
| | | | | Clamp metal | | |

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2

1 Specifications

| 1-1 TECHNICAL SPECIFICATIONS | | FXMQ200MAVE | FXMQ250MAVE |
|--|--|-------------|-------------|
| Notes | Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent refrigerant piping : 7.5m (horizontal) | | |
| | Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m (horizontal) | | |
| | Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat. | | |
| | The external static pressure is changeable : change the connectors inside the electrical box, this pressure means : High static pressure -standard | | |
| | Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its colorimetric method(gravity method) 50% or more. | | |
| Sound pressure levels are measured at 220V | | | |

| 1-2 ELECTRICAL SPECIFICATIONS (50HZ) | | FXMQ200MAVE | FXMQ250MAVE |
|--|--|-------------|-------------|
| Power Supply | Name | VE | |
| | Phase | 1~ | |
| | Frequency | Hz | 50 |
| | Voltage | V | 220-240 |
| Current | Minimum circuit amps (MCA) | A | 8.1 |
| | Maximum fuse amps (MFA) | A | 15 |
| | Full load amps (FLA) | A | 6.5 |
| Voltage range | Minimum | V | -10% |
| | Maximum | V | +10% |
| Notes | Voltage range : units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits. | | |
| | Maximum allowable voltage range variation between phases is 2%. | | |
| | MCA/MFA : MCA = 1.25 x FLA | | |
| | MFA is smaller than or equal to 4 x FLA | | |
| | Next lower standard fuse rating minimum 15A | | |
| | Select wire size based on the MCA | | |
| Instead of a fuse, use a circuit breaker | | | |

| 1-3 ELECTRICAL SPECIFICATIONS (60HZ) | | FXMQ200MAVE | FXMQ250MAVE |
|--|--|-------------|-------------|
| Power Supply | Name | VE | |
| | Phase | 1~ | |
| | Frequency | Hz | 60 |
| | Voltage | V | 220 |
| Current | Minimum circuit amps (MCA) | A | 9.0 |
| | Maximum fuse amps (MFA) | A | 15 |
| | Full load amps (FLA) | A | 7.2 |
| Voltage range | Minimum | V | -10% |
| | Maximum | V | +10% |
| Notes | Voltage range : units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits. | | |
| | Maximum allowable voltage range variation between phases is 2%. | | |
| | MCA/MFA : MCA = 1.25 x FLA | | |
| | MFA is smaller than or equal to 4 x FLA | | |
| | Next lower standard fuse rating minimum 15A | | |
| | Select wire size based on the MCA | | |
| Instead of a fuse, use a circuit breaker | | | |

2 Safety device settings

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| | | FXMQ200MA | FXMQ250MA |
|-----------------------------|----|-----------------------------------|-----------|
| PC BOARD FUSE | | 250V 10A | |
| FAN MOTOR THERMAL PROTECTOR | °C | OFF: 135 \pm 8, ON: 87 \pm 15 | |

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3 Options

| | FXMQ200MA | FXMQ250MA |
|------------------------------|-------------|-----------|
| DRAIN PUMP KIT | KDU30L250VE | |
| HIGH EFFICIENCY FILTER 65% | KAFJ372L280 | |
| HIGH EFFICIENCY FILTER 90% | KAFJ373L280 | |
| FILTER CHAMBER | KDJ3705L280 | |
| REPLACEMENT LONG LIFE FILTER | KAFJ371L280 | |

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The diagram illustrates the assembly of optional components onto the main unit. The 'Main Unit' is shown as a large rectangular box. A 'Drain Pump Kit' is attached to the bottom left side. A 'Filter Chamber' is mounted on the front face, which houses two 'High Efficiency Filter' units. The filters are shown being inserted into the chamber, with dashed lines indicating their internal structure and how they fit into the unit's airflow path.

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4 Control systems

Individual control systems

| | | FXMQ200MA | FXMQ250MA |
|------------------------------|--------------|-----------|-----------|
| WIRED REMOTE CONTROL | | | BRC1D52 |
| INFRARED REMOTE CONTROL | Heat pump | | BRC4C62 |
| | Cooling only | | BRC4C64 |
| SIMPLIFIED REMOTE CONTROL | | | BRC2A51 |
| REMOTE CONTROL FOR HOTEL USE | | | BRC3A61 |

Centralised control systems

| | | FXMQ200MA | FXMQ250MA |
|----------------------------|--|-----------|-----------|
| CENTRALISED REMOTE CONTROL | | | DCS302C51 |
| UNIFIED ON/OFF CONTROL | | | DCS301B51 |
| SCHEDULE TIMER | | | DST301B51 |

Others

| | | FXMQ200MA | FXMQ250MA |
|--|--|-----------|-----------|
| WIRING ADAPTER | | | KRP1B61 |
| WIRING ADAPTER FOR ELECTRICAL APPENDICES (1) | | | KRP2A61 |
| WIRING ADAPTER FOR ELECTRICAL APPENDICES (2) | | | KRP4A51 |
| REMOTE SENSOR | | | KRCS01-1 |
| ELECTRICAL BOX WITH EARTH TERMINAL (3 BLOCKS) | | | KJB311A |
| ELECTRICAL BOX WITH EARTH TERMINAL (2 BLOCKS) | | | KJB212A |
| NOISE FILTER (FOR ELECTROMAGNETIC INTERFACE USE ONLY) | | | KEK26-1A |
| EXTERNAL CONTROL ADAPTER FOR OUTDOOR UNITS (INSTALLATION ON INDOOR UNIT) | | | DTA104A61 |

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5 Capacity tables

5 - 1 Cooling capacity tables

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FXMQ-MA

TC: Total capacity/kW – SHC: Sensible capacity/kW

| Unit size | Nominal capacity | Outdoor air temp. °CDB | Indoor air temperature | | | | | | | | | | | | | |
|-----------|------------------|------------------------|------------------------|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|--------|------|
| | | | 14.0WB | | 16.0WB | | 18.0WB | | 19.0WB | | 20.0WB | | 22.0WB | | 24.0WB | |
| | | | 20.0DB | 23.0DB | 26.0DB | 27.0DB | 28.0DB | 30.0DB | 32.0DB | TC | SHC | TC | SHC | TC | SHC | TC |
| 200 | 22.4 | 10.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.8 | 17.0 | 26.8 | 17.6 | 29.4 | 17.8 |
| | | 12.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.8 | 17.0 | 26.8 | 17.6 | 29.0 | 17.6 |
| | | 14.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.8 | 17.0 | 26.8 | 17.6 | 28.7 | 17.4 |
| | | 16.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.8 | 17.0 | 26.8 | 17.6 | 28.3 | 17.2 |
| | | 18.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.8 | 17.0 | 26.8 | 17.6 | 27.9 | 16.9 |
| | | 20.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.8 | 17.0 | 26.8 | 17.6 | 27.5 | 16.7 |
| | | 21.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.8 | 17.0 | 26.8 | 17.6 | 27.4 | 16.6 |
| | | 23.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.8 | 17.0 | 26.4 | 17.3 | 27.0 | 16.4 |
| | | 25.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.8 | 17.0 | 26.1 | 17.1 | 26.6 | 16.2 |
| | | 27.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.8 | 17.0 | 25.7 | 16.8 | 26.2 | 16.1 |
| | | 29.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.8 | 17.0 | 25.3 | 16.6 | 25.8 | 15.9 |
| | | 31.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.8 | 17.0 | 24.9 | 16.4 | 25.4 | 15.7 |
| | | 33.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.8 | 17.0 | 24.5 | 16.3 | 25.0 | 15.6 |
| | | 35.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.6 | 17.0 | 24.2 | 16.1 | 24.6 | 15.4 |
| | | 37.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 23.2 | 16.8 | 23.8 | 16.0 | 24.3 | 15.3 |
| | | 39.0 | 15.1 | 13.4 | 18.0 | 14.9 | 21.0 | 16.3 | 22.4 | 16.8 | 22.8 | 16.6 | 23.4 | 15.8 | 23.9 | 15.1 |
| 250 | 28.0 | 10.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.8 | 21.2 | 33.5 | 22.1 | 36.8 | 22.1 |
| | | 12.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.8 | 21.2 | 33.5 | 22.1 | 36.3 | 21.8 |
| | | 14.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.8 | 21.2 | 33.5 | 22.1 | 35.9 | 21.6 |
| | | 16.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.8 | 21.2 | 33.5 | 22.1 | 35.4 | 21.3 |
| | | 18.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.8 | 21.2 | 33.5 | 22.1 | 34.9 | 21.0 |
| | | 20.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.8 | 21.2 | 33.5 | 22.1 | 34.4 | 20.7 |
| | | 21.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.8 | 21.2 | 33.5 | 22.1 | 34.2 | 20.6 |
| | | 23.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.8 | 21.2 | 33.0 | 21.7 | 33.7 | 20.3 |
| | | 25.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.8 | 21.2 | 32.6 | 21.5 | 33.2 | 20.2 |
| | | 27.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.8 | 21.2 | 32.1 | 21.2 | 32.8 | 20.0 |
| | | 29.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.8 | 21.2 | 31.6 | 20.9 | 32.3 | 19.9 |
| | | 31.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.8 | 21.2 | 31.1 | 20.6 | 31.8 | 19.7 |
| | | 33.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.8 | 21.2 | 30.6 | 20.4 | 31.3 | 19.5 |
| | | 35.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.5 | 21.1 | 30.2 | 20.2 | 30.8 | 19.4 |
| | | 37.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 20.9 | 29.0 | 20.9 | 29.7 | 20.0 | 30.4 | 19.2 |
| | | 39.0 | 18.9 | 16.9 | 22.5 | 18.5 | 26.2 | 20.4 | 28.0 | 21.0 | 28.5 | 20.6 | 29.2 | 19.8 | 29.9 | 19.0 |

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5 Capacity tables

5 - 2 Heating capacity tables

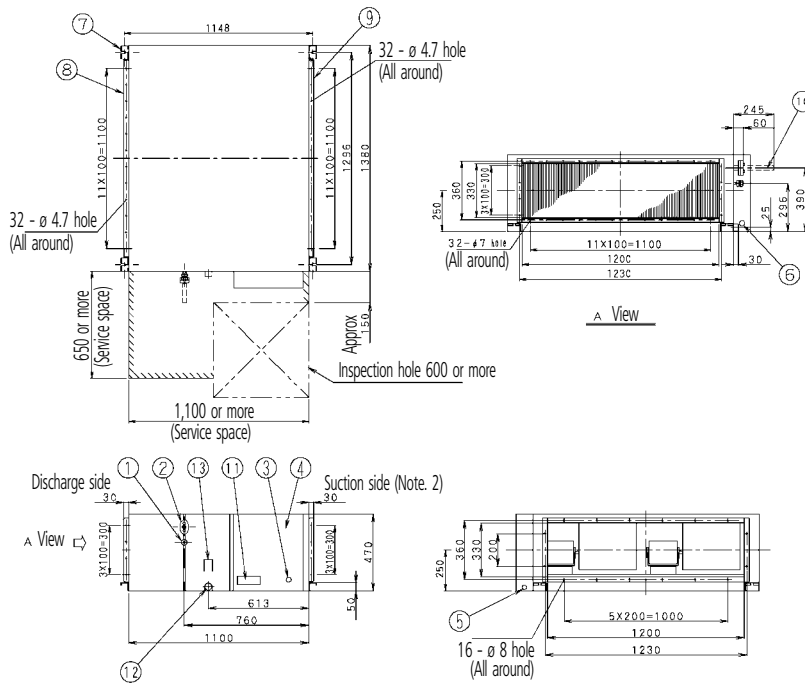
FXMQ-MA

| Unit Size | Nominal capacity | Outdoor air temperature | | Indoor air temperature °CDB | | | | | |
|-----------|------------------|-------------------------|-------|-----------------------------|------|------|------|------|------|
| | | | | 16.0 | 18.0 | 20.0 | 21.0 | 22.0 | 24.0 |
| | | °CDB | °CWB | kW | kW | kW | kW | kW | kW |
| 200 | 25.0 | -19.8 | -20.0 | 14.8 | 14.7 | 14.7 | 14.7 | 14.6 | 14.6 |
| | | -18.8 | -19.0 | 15.2 | 15.2 | 15.1 | 15.1 | 15.1 | 15.0 |
| | | -16.7 | -17.0 | 16.1 | 16.0 | 16.0 | 16.0 | 16.0 | 15.9 |
| | | -14.7 | -15.0 | 17.0 | 16.9 | 16.9 | 16.9 | 16.8 | 16.8 |
| | | -12.6 | -13.0 | 17.9 | 17.8 | 17.8 | 17.7 | 17.7 | 17.7 |
| | | -10.5 | -11.0 | 18.7 | 18.7 | 18.6 | 18.6 | 18.6 | 18.6 |
| | | -9.5 | -10.0 | 19.2 | 19.1 | 19.1 | 19.1 | 19.0 | 19.0 |
| | | -8.5 | -9.1 | 19.6 | 19.5 | 19.5 | 19.5 | 19.4 | 19.4 |
| | | -7.0 | -7.6 | 20.2 | 20.2 | 20.2 | 20.1 | 20.1 | 20.1 |
| | | -5.0 | -5.6 | 21.1 | 21.1 | 21.0 | 21.0 | 21.0 | 20.9 |
| | | -3.0 | -3.7 | 22.0 | 21.9 | 21.9 | 21.9 | 21.8 | 21.8 |
| | | 0.0 | -0.7 | 23.3 | 23.2 | 23.2 | 23.2 | 23.2 | 21.8 |
| | | 3.0 | 2.2 | 24.6 | 24.5 | 24.5 | 24.2 | 23.4 | 21.8 |
| | | 5.0 | 4.1 | 25.4 | 25.4 | 25.0 | 24.2 | 23.4 | 21.8 |
| | | 7.0 | 6.0 | 26.2 | 26.2 | 25.0 | 24.2 | 23.4 | 21.8 |
| | | 9.0 | 7.9 | 27.1 | 26.6 | 25.0 | 24.2 | 23.4 | 21.8 |
| | | 11.0 | 9.8 | 27.9 | 26.6 | 25.0 | 24.2 | 23.4 | 21.8 |
| 13.0 | 11.8 | 28.2 | 26.6 | 25.0 | 24.2 | 23.4 | 21.8 | | |
| 15.0 | 13.7 | 28.2 | 26.6 | 25.0 | 24.2 | 23.4 | 21.8 | | |
| 250 | 31.5 | -19.8 | -20.0 | 18.6 | 18.5 | 18.5 | 18.5 | 18.4 | 18.4 |
| | | -18.8 | -19.0 | 19.2 | 19.1 | 19.0 | 19.0 | 19.0 | 18.9 |
| | | -16.7 | -17.0 | 20.3 | 20.2 | 20.2 | 20.1 | 20.1 | 20.0 |
| | | -14.7 | -15.0 | 21.4 | 21.3 | 21.3 | 21.2 | 21.2 | 21.2 |
| | | -12.6 | -13.0 | 22.5 | 22.4 | 22.4 | 22.4 | 22.3 | 22.3 |
| | | -10.5 | -11.0 | 23.6 | 23.6 | 23.5 | 23.5 | 23.4 | 23.4 |
| | | -9.5 | -10.0 | 24.2 | 24.1 | 24.1 | 24.0 | 24.0 | 23.9 |
| | | -8.5 | -9.1 | 24.7 | 24.6 | 24.6 | 24.5 | 24.5 | 24.4 |
| | | -7.0 | -7.6 | 25.5 | 25.4 | 25.4 | 25.4 | 25.3 | 25.3 |
| | | -5.0 | -5.6 | 26.6 | 26.6 | 26.5 | 26.5 | 26.4 | 26.4 |
| | | -3.0 | -3.7 | 27.7 | 27.6 | 27.6 | 27.5 | 27.5 | 27.5 |
| | | 0.0 | -0.7 | 29.3 | 29.3 | 29.2 | 29.2 | 29.2 | 27.5 |
| | | 3.0 | 2.2 | 31.0 | 30.9 | 30.8 | 30.5 | 29.5 | 27.5 |
| | | 5.0 | 4.1 | 32.0 | 32.0 | 31.5 | 30.5 | 29.5 | 27.5 |
| | | 7.0 | 6.0 | 33.1 | 33.0 | 31.5 | 30.5 | 29.5 | 27.5 |
| | | 9.0 | 7.9 | 34.1 | 33.5 | 31.5 | 30.5 | 29.5 | 27.5 |
| | | 11.0 | 9.8 | 35.2 | 33.5 | 31.5 | 30.5 | 29.5 | 27.5 |
| 13.0 | 11.8 | 35.5 | 33.5 | 31.5 | 30.5 | 29.5 | 27.5 | | |
| 15.0 | 13.7 | 35.5 | 33.5 | 31.5 | 30.5 | 29.5 | 27.5 | | |

6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

FXMQ200,250MA



Piping size (field supply)

| Model | Gas | Liquid |
|-----------|------------------------|--------|
| FXMQ200MA | ø 19.1 attached piping | ø 9.5 |
| FXMQ250MA | ø 22.2 attached piping | ø 9.5 |

| Nr | Part name | Description |
|----|--------------------------------|---|
| 1 | Liquid pipe connection | Flare connection |
| 2 | Gas pipe connection | Attendant piping connection |
| 3 | Ground terminal | M5 (inside switch box) |
| 4 | Switch box | |
| 5 | Power supply wiring connection | |
| 6 | Transmission wiring connection | |
| 7 | Hook | M10 |
| 8 | Discharge companion flange | |
| 9 | Suction flange | |
| 10 | Attached piping | Brazing |
| 11 | Name plate | |
| 12 | Drain piping connection | PS1B Internal thread VP25 (O.D. ø33.349, I.D. ø30.391) |
| 13 | Water supply port | |

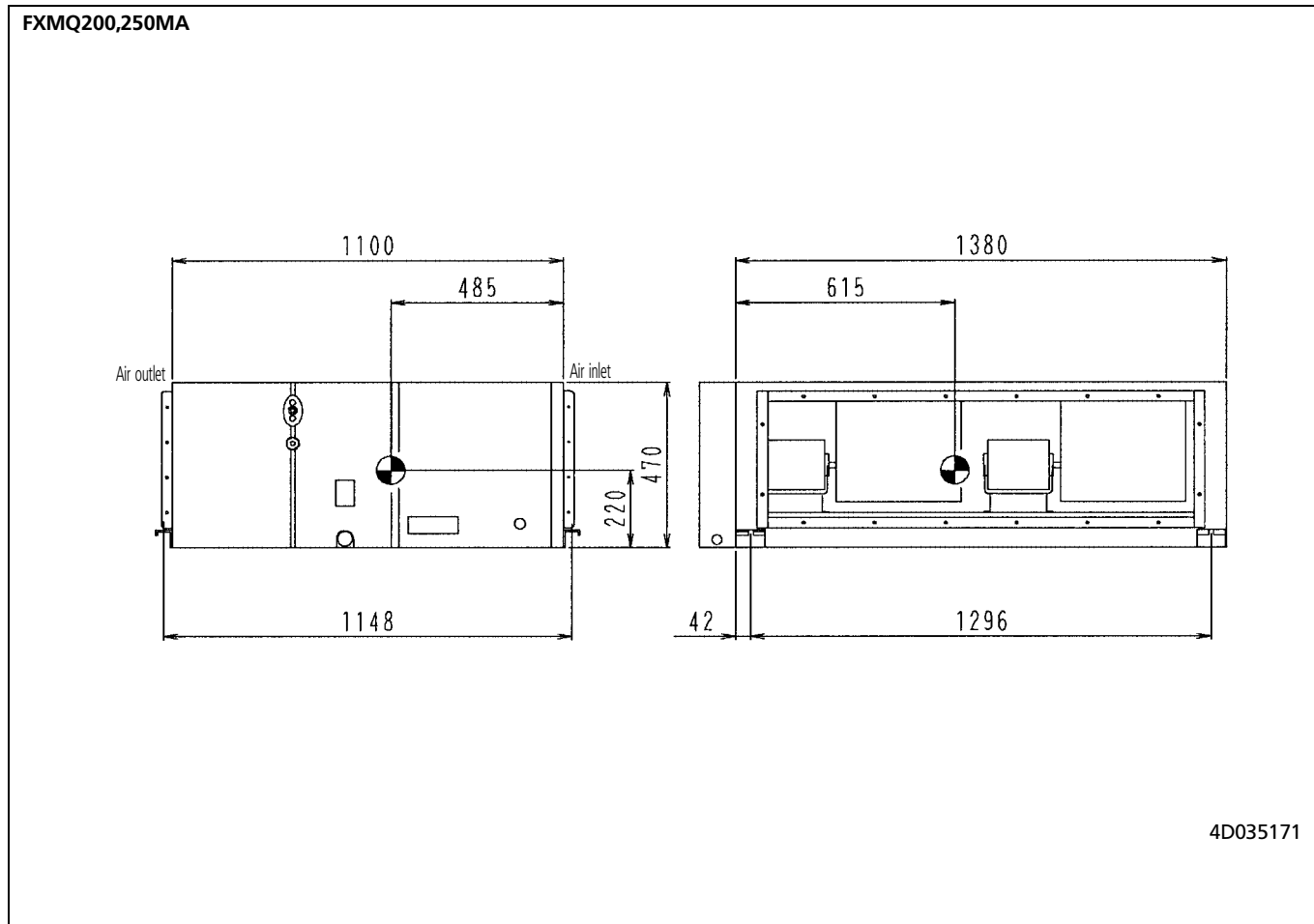
NOTES

- 1 Location of unit's name plate: switch box surface.
- 2 Mount the air filter at the suction side. (Select its colorimethod (gravity method) 50% or more).

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6 Dimensional drawing & centre of gravity

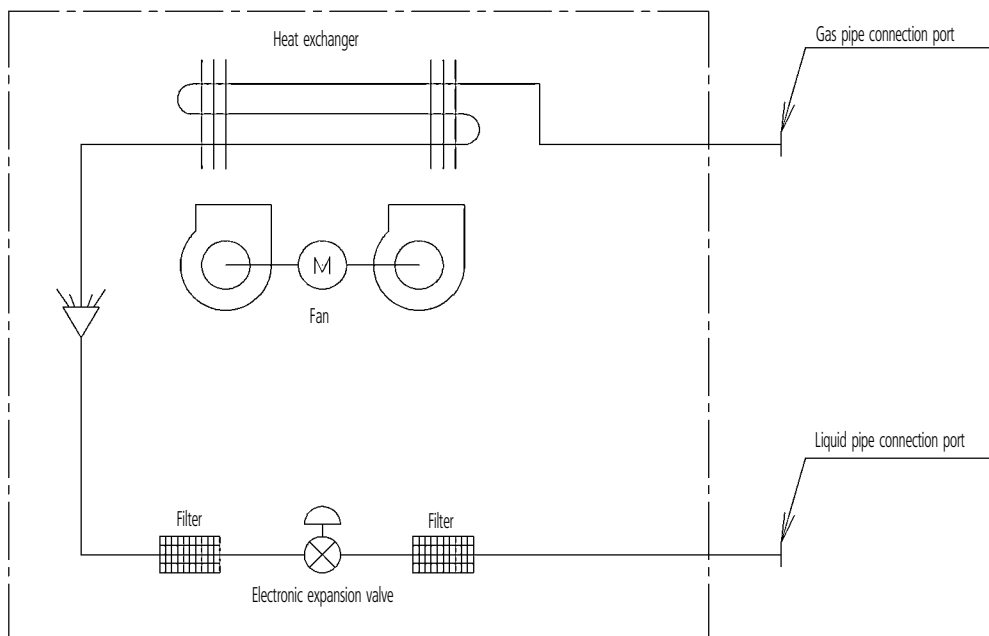
6 - 2 Centre of gravity



7 Piping diagram

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FXMQ-MA



Piping connection diameters

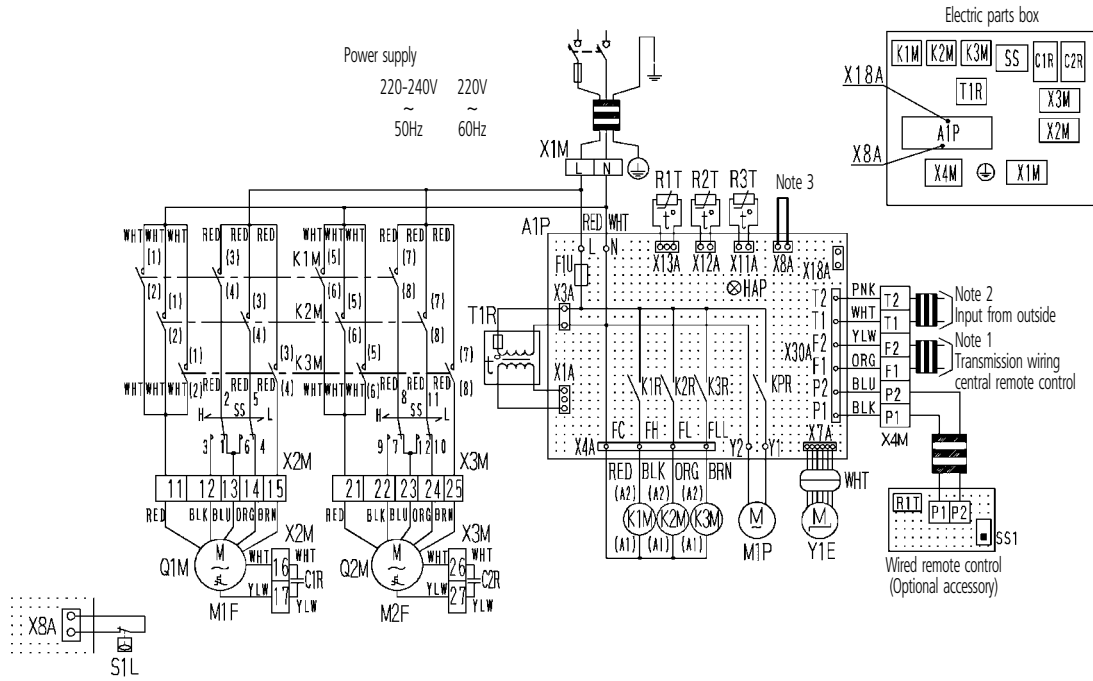
| Model | Gas | Liquid |
|-----------|-------|--------|
| FXMQ200MA | ø19.1 | ø9.5 |
| FXMQ250MA | ø22.2 | ø9.5 |

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8 Wiring diagram

8 - 1 Wiring diagram

FXMQ200,250MA



| Indoor unit | | | Optional parts |
|-------------|--|-----------|---|
| A1P | Printed circuit board | Q1M • Q2M | M1P Motor (drain pump) |
| C1R • C2R | Capacitor (M1F • 2F) | R1T | Thermistor (air) |
| F1U | Fuse (5A, 250V) | R2T • R3T | Thermistor (coil) |
| HAP | Light emitting diode (service monitor-green) | SS | Selector switch (static pressure) |
| K1M | Magnetic contactor (M1F • 2F) | T1R | Transformer (220-240V/22V) |
| K2M | Magnetic contactor (M1F • 2F) | X1M | Terminal block (power) |
| K3M | Magnetic contactor (M1F • 2F) | X2M-X3M | Terminal block |
| K1R-K3R | Magnetic relay (M1F • 2F) | X4M | Terminal block (control) |
| KPR | Magnetic relay (M1P) | Y1E | Electronic expansion valve |
| M1F • M2F | Motor (indoor fan) | | |
| | | | Connector for optional parts |
| | | | X8A Connector (float switch) |
| | | | X18A Connector (wiring adapter for electrical appendices) |

- : Terminal block
 : Connector
 : Short circuit connector
 : Terminal
 : Field wiring
- COLORS : BLK : Black PNK : Pink
 : BLU : Blue RED : Red
 : BRN : Brown WHT : White
 : ORG : Orange YLW : Yellow

NOTES

- In case using central remote control, connect it to the unit in accordance with the attached instruction manual.
- When connecting the input wires from outside, forced off or on/off control operation can be selected by remote control. In details, refer to the installation manual attached the unit.
- In case installing the drain pump, remove the short circuit connector of X8A and execute the additional wiring for float switch and drain pump.
- Use copper conductors only.
- In case high E.S.P. operation, change the switch(ss) for "H".

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9 Sound data

9 - 1 Sound level data

FXMQ-MA

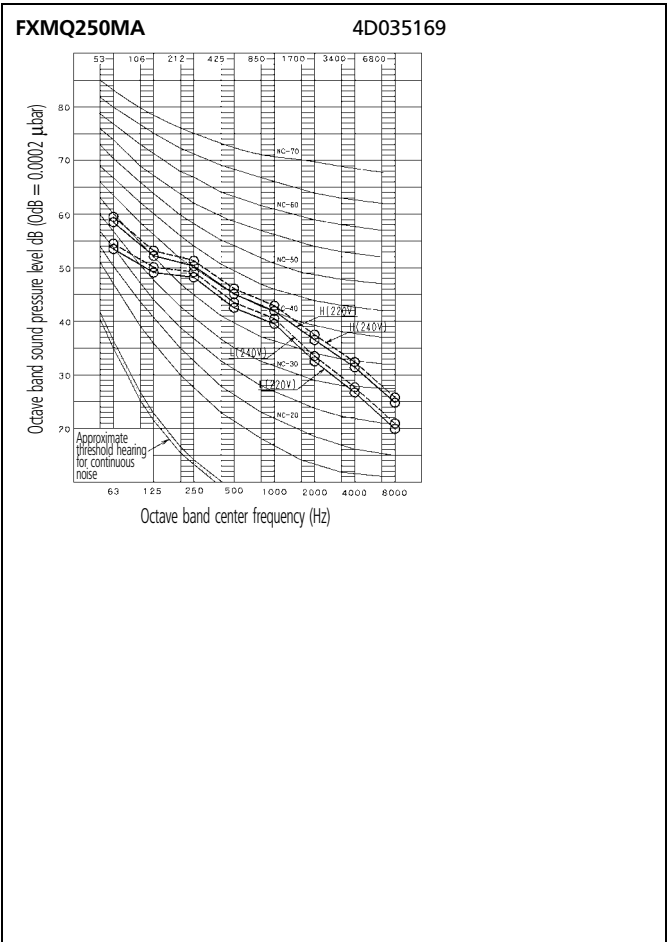
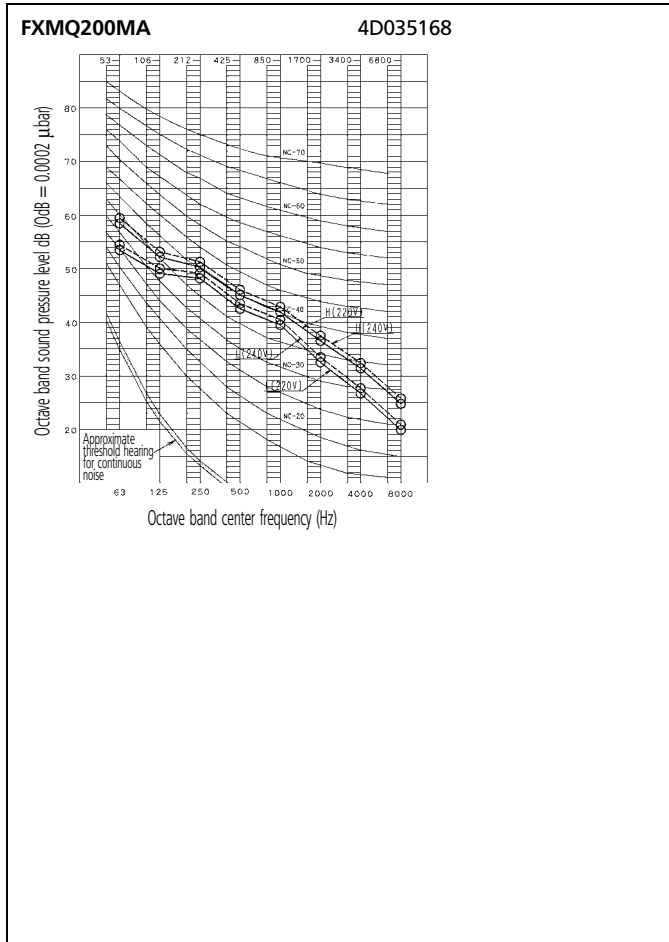
| Model | Sound pressure level - 220V | | | Sound power level |
|-----------|-----------------------------|----|--------------------|-------------------|
| | H | L | Measuring location | |
| FXMQ200MA | 48 | 45 | | * |
| FXMQ250MA | 48 | 45 | | * |

NOTES

- 1 Reference acoustic pressure 0 dB = 20 Pa.
- 2 Measuring place: anechoic chamber
- 3 Operation noise differs with operation and ambient conditions.
*Data were not available at the time of publication

9 Sound data

9 - 2 Sound pressure spectrum

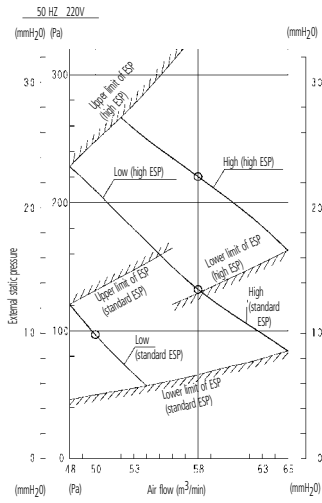


10 Fan characteristics

10

FXMQ200MA

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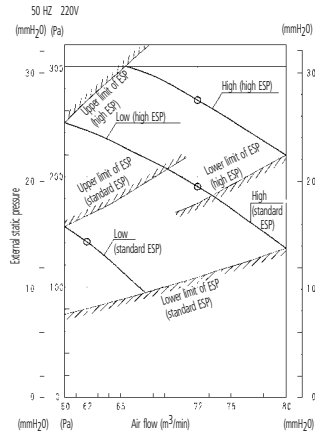


NOTES

- 1 The remote control can be used to switch between "high" and "low".
- 2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.

FXMQ250MA

3D035173



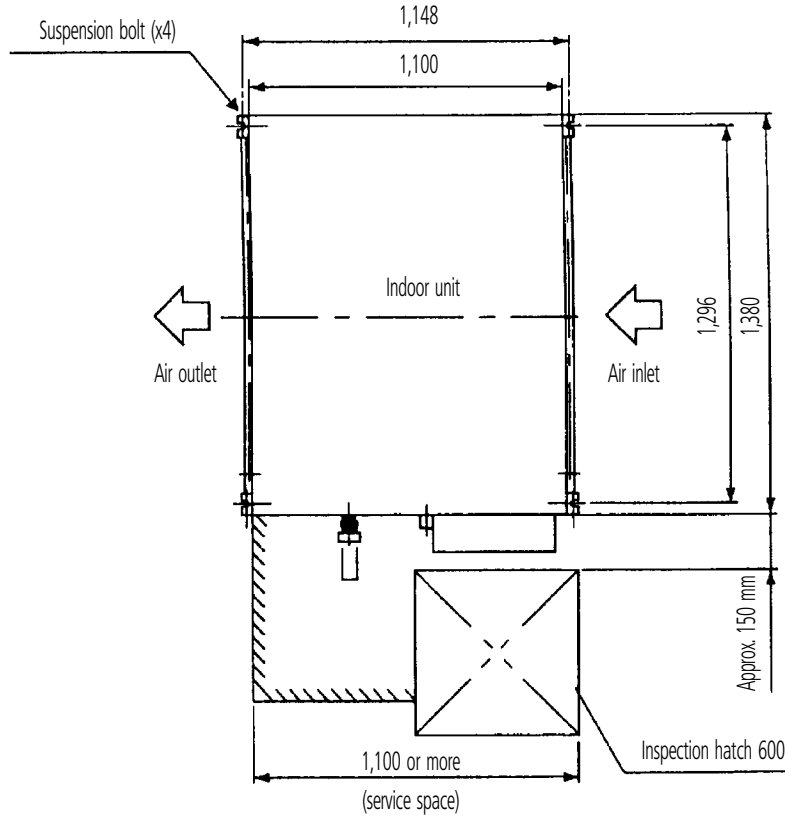
NOTES

- 1 The remote control can be used to switch between "high" and "low".
- 2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.

11 Installation

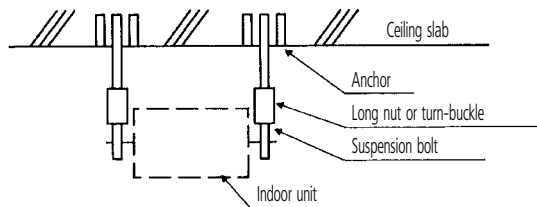
11 - 1 Suspension bolt pitch position

FXMQ200,250MA



NOTES

- 1 Install a canvas duct to the air discharge outlet and air inlet so that vibration from the machine body is not transmitted to the duct or ceiling. You should also apply acoustic (insulation material) to the inside of the duct, and vibration insulation rubber to the suspension bolts.
- 2 Install suspension bolts.
Use bolts of 10 mm diameter.
Install the equipment where supporting structures are strong enough to bear the equipment's weight. Use embedded inserts or anchor bolts with new buildings and hole-in-anchors with old buildings.



NOTE

- 1 All the above parts are to be procured in the field.

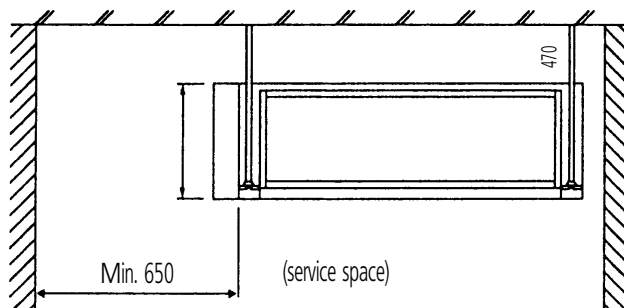
3P086156-2-5

11 Installation

11 - 2 Service space

11

FXMQ200,250MA



NOTE

- 1 Above figures mean minimum values.

3P086156-2-4



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intension to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



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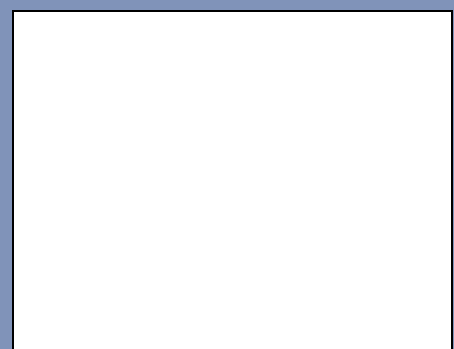
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