

technical data

Concealed ceiling unit
FXMQ-PVE

air conditioning systems

VRV[®] III-S
VRV[®] III
VRV[®] -WII

R-410A

2e

TABLE OF CONTENTS

FXMQ-PVE

| | | |
|----|---|----|
| 1 | Specifications | 2 |
| | Technical Specifications | 2 |
| | Electrical Specifications | 3 |
| 2 | Safety device settings | 4 |
| 3 | Options | 4 |
| 4 | Control systems | 5 |
| 5 | Capacity tables | 6 |
| | Cooling capacity tables | 6 |
| | Heating capacity tables | 8 |
| 6 | Dimensional drawing & centre of gravity | 10 |
| | Dimensional drawing | 10 |
| | Centre of gravity | 13 |
| 7 | Piping diagram..... | 14 |
| 8 | Wiring diagram..... | 15 |
| | Wiring diagram | 15 |
| 9 | Sound data..... | 16 |
| | Sound pressure spectrum | 16 |
| 10 | Fan characteristics | 18 |

1 Specifications

| 1-1 TECHNICAL SPECIFICATIONS | | | | FXMQ40PVE | FXMQ50PVE | FXMQ63PVE | FXMQ80PVE | FXMQ100PVE | FXMQ125PVE |
|------------------------------|--------------------------|---------------|------------------------|--|------------------------|------------------------|------------------------|--------------------------------------|------------------------|
| Capacity | Cooling | kW | | 4.5 | 5.6 | 7.1 | 9.0 | 11.2 | 14.0 |
| | Heating | kW | | 5.0 | 6.3 | 8.0 | 10.0 | 12.5 | 16.0 |
| Power Input | Cooling | kW | | 0.194 (1) 0.193 (2) | 0.215 (1) 0.214 (2) | 0.230 (1) 0.229 (2) | 0.298 (1) 0.297 (2) | 0.376 (1) 0.375 (2) | 0.461 (1) 0.460 (2) |
| | Heating | kW | | 0.182 | 0.203 | 0.218 | 0.286 | 0.364 | 0.449 |
| Casing | Material | | | Galvanised steel plate | | | | | |
| Dimensions | Unit | Height | mm | 300 | 300 | 300 | 300 | 300 | 300 |
| | | Width | mm | 700 | 1,000 | 1,000 | 1,000 | 1,400 | 1,400 |
| | | Depth | mm | 700 | 700 | 700 | 700 | 700 | 700 |
| Weight | Unit | | kg | 28 | 36 | 36 | 36 | 46 | 46 |
| Heat Exchanger | Dimensions | Nr of Rows | | 3 | 3 | 3 | 3 | 3 | 3 |
| | | Fin Pitch | mm | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 |
| | | Face Area | m ² | 0.148 | 0.249 | 0.249 | 0.249 | 0.383 | 0.383 |
| | | Nr of Stages | | 16 | 16 | 16 | 16 | 16 | 16 |
| Fan | Type | | | Sirocco fan | | | | | |
| Air Flow Rate | Cooling | High high | m ³ /min | 16 | 18 | 19.5 | 25 | 32 | 39 |
| | | High | m ³ /min | 13 | 16.5 | 17.5 | 22.5 | 27 | 33 |
| | | Low | m ³ /min | 11 | 15 | 16 | 20 | 23 | 28 |
| Fan | External static pressure | High | Pa | 160 | 200 | 200 | 200 | 200 | 200 |
| | | Standard | Pa | 100 | 100 | 100 | 100 | 100 | 100 |
| | | Low | Pa | 30 | 50 | 50 | 50 | 50 | 50 |
| | Motor | Output (high) | W | 140 | 350 | 350 | 350 | 350 | 350 |
| | | Drive | | | Direct drive | | | | |
| Piping connections | Liquid (OD) | Type | | Flare connection | | | | | |
| | | Diameter | mm | 6.35 | 9.52 | 9.52 | 9.52 | 9.52 | 9.52 |
| | Gas | Type | | Flare connection | | | | | |
| | | Diameter | mm | 12.7 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 |
| Drain | Diameter | | VP25 (I.D. 32/O.D. 25) | | | | | | |
| Refrigerant control | | | | Electronic expansion valve | | | | | |
| Temperature control | | | | Microprocessor thermostat for cooling and heating | | | | | |
| Safety devices | | | | Fuse | | | | | |
| | | | | Fan driver overload protector | | | | | |
| Standard Accessories | Standard Accessories | | | Operation manual | | | | | |
| | | | | Installation manual | | | | | |
| | | | | Drain hose | | | | | |
| | | | | Sealing pads | | | | | |
| | | | | Clamps | | | | | |
| | | | | Washer | | | | | |
| | | | | Screws | | | | | |
| | | | | Insulation for fitting | | | | | |
| | | | | Clamp metal | | | | | |
| | | | | Air discharge flange | | | | | |
| | | | | Air suction flange | | | | | |
| | | | | Legend | | | | (1) 50Hz, 220-240V (2) 60Hz, 220V | |
| Notes | | | | Nominal cooling capacities are based on following conditions: return air temperature: 27°CDB/19°CWB; outdoor temperature: 35°CDB; standard external static pressure: 100Pa; equivalent refrigerant piping: 7.5m (horizontal) | | | | | |
| | | | | Nominal heating capacities are based on following conditions: return air temperature: 20°CDB; outdoor temperature: 7°CDB/6°CWB; standard external static pressure: 100Pa; equivalent refrigerant piping: 7.5m (horizontal) | | | | | |
| | | | | Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat. | | | | | |
| | | | | External static pressure is changeable in 13 or 14 stages within the () range by the remote control. | | | | | |
| | | | | 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. | | | | | |

1 Specifications

| 1-2 ELECTRICAL SPECIFICATIONS | | | FXMQ40PVE | FXMQ50PVE | FXMQ63PVE | FXMQ80PVE | FXMQ100PVE | FXMQ125PVE | |
|-------------------------------|--|----|-------------|-----------|-----------|-----------|------------|------------|--|
| Power Supply | Name | VE | | | | | | | |
| | Phase | 1~ | | | | | | | |
| | Frequency | Hz | 50/60 | | | | | | |
| | Voltage | V | 220-240/220 | | | | | | |
| Current | Minimum circuit amps (MCA) | A | 1.4 | 1.6 | 1.8 | 2.3 | 2.9 | 3.4 | |
| | Maximum fuse amps (MFA) | A | 16 | 16 | 16 | 16 | 16 | 16 | |
| | Full load amps (FLA) | A | 1.1 | 1.3 | 1.4 | 1.8 | 2.3 | 2.7 | |
| 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 16A | | | | | | | | |
| | Select wire size based on the MCA | | | | | | | | |
| | Instead of a fuse, use a circuit breaker | | | | | | | | |

2 Safety device settings

| FXMQ-P | | | | | | | |
|----------|----------------------------|------------|------------|------------|------------|------------|------------|
| | Safety devices | 40 | 50 | 63 | 80 | 100 | 125 |
| FXMQ-PVE | PC board fuse | 250V 3.15A | 250V 3.15A | 250V 3.15A | 250V 3.15A | 250V 3.15A | 250V 3.15A |
| | PC board fuse (Fan driver) | 250V 5A | 250V 6.3A | 250V 6.3A | 250V 6.3A | 250V 6.3A | 250V 6.3A |
| | Drain pump thermal fuse | 145 | 145 | 145 | 145 | 145 | 145 |

3D034597E

3 Options

| FXMQ-P | | | | | | | |
|--|-------|------------|------------|-----------|-----------|-------------|------------|
| Item | Model | DUCT TYPE | | | | | |
| | | FXMQ40PVE | FXMQ50PVE | FXMQ63PVE | FXMQ80PVE | FXMQ100PVE | FXMQ125PVE |
| High efficiency filter | 65% | KAF372AA56 | KAF372AA80 | | | KAF372AA160 | |
| | 90% | KAF373AA56 | KAF373AA80 | | | KAF373AA160 | |
| Filter chamber | | KDDF37AA56 | KDDF37AA80 | | | KDDF37AA160 | |
| long life replacement filter | | KAF371AA56 | KAF371AA80 | | | KAF371AA160 | |
| Long life replacement filter chamber kit | | KAF375AA56 | KAF375AA80 | | | KAF375AA160 | |
| Service panel | | KTBJ25K56W | KTBJ25K80W | | | KTBJ25K160W | |
| | | KTBJ25K56F | KTBJ25K80F | | | KTBJ25K160F | |
| | | KTBJ25K56T | KTBJ25K80T | | | KTBJ25K160T | |
| Air discharge adapter | | KDAJ25K56A | KDAJ25K80A | | | KDAJ25K160A | |

NOTE

1 See the latest for the modification marks

3D060443

4 Control systems

FXMQ-P

| No. | Type | | FXMQ~PVE |
|-----|--|----------|----------------------|
| | Item | | |
| 1 | Remote control | Wireless | H/P C/O |
| | | | |
| | | Wired | |
| 2 | Simplified remote control | | BRC2C51 |
| 3 | Remote control for hotel use | | BRC3A61 |
| 4 | Adaptor for wiring | | ★KRP1C64 |
| 5-1 | Wiring adaptor for electrical appendices (1) | | ★KRP2A61 |
| 5-1 | Wiring adaptor for electrical appendices (2) | | ★KRP4AA51 |
| 6 | Remote sensor | | KRCS01-1B |
| 7 | Mounting plate for adapter PCB | | Note 2, 3 KRP4A96 |
| 8 | Central remote control | | DCS302CA61 |
| 8-1 | Electrical box with earth terminal (3 blocks) | | KJB311AA |
| 9 | Unified on/off control | | DSC301BA61 |
| 9-1 | Electrical box with earth terminal (2 blocks) | | KJB212AA |
| 9-2 | Noise filter (for electromagnetic interface use only) | | KEK26-1A |
| 10 | Schedule timer | | DST301BA61 |
| 11 | External control adaptor for outdoor unit (Must be installed on indoor units) | | ★DTA104A61 |

NOTES

- 1 Mounting plate (No.7) is necessary for each adapter marked ★.
- 2 Up to 2 adapters can be fixed for each mounting plate.
- 3 Only one mounting plate can be installed for each indoor unit.

3D060455

5 Capacity tables

5 - 1 Cooling capacity tables

| FXMQ-P | | | 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 |
| 40 | 4.5 | 10.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.8 | 4.5 | 3.8 | 4.8 | 3.8 | 5.4 | 3.9 | 5.7 | 4.0 |
| | | 12.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.8 | 4.5 | 3.8 | 4.8 | 3.8 | 5.4 | 3.9 | 5.6 | 4.0 |
| | | 14.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.8 | 4.5 | 3.8 | 4.8 | 3.8 | 5.4 | 3.9 | 5.5 | 4.0 |
| | | 16.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.8 | 4.5 | 3.8 | 4.8 | 3.8 | 5.4 | 3.9 | 5.5 | 3.9 |
| | | 18.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.8 | 4.5 | 3.8 | 4.8 | 3.8 | 5.3 | 3.9 | 5.4 | 3.9 |
| | | 20.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.8 | 4.5 | 3.8 | 4.8 | 3.8 | 5.2 | 3.8 | 5.3 | 3.9 |
| | | 21.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.8 | 4.5 | 3.8 | 4.8 | 3.8 | 5.2 | 3.8 | 5.3 | 3.8 |
| | | 23.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.8 | 4.5 | 3.8 | 4.8 | 3.8 | 5.1 | 3.8 | 5.2 | 3.8 |
| | | 25.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.8 | 4.5 | 3.8 | 4.8 | 3.8 | 5.0 | 3.7 | 5.1 | 3.8 |
| | | 27.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.8 | 4.5 | 3.8 | 4.8 | 3.8 | 5.0 | 3.7 | 5.1 | 3.7 |
| | | 29.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.8 | 4.5 | 3.8 | 4.8 | 3.8 | 4.9 | 3.7 | 5.0 | 3.7 |
| | | 31.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.8 | 4.5 | 3.8 | 4.7 | 3.8 | 4.8 | 3.6 | 4.9 | 3.6 |
| | | 33.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.8 | 4.5 | 3.8 | 4.6 | 3.7 | 4.7 | 3.6 | 4.8 | 3.6 |
| | | 35.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.2 | 4.5 | 3.8 | 4.6 | 3.7 | 4.7 | 3.5 | 4.8 | 3.6 |
| 37.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.2 | 4.4 | 3.8 | 4.5 | 3.6 | 4.6 | 3.5 | 4.7 | 3.5 | | |
| 39.0 | 3.0 | 2.9 | 3.6 | 3.4 | 4.2 | 3.2 | 4.4 | 3.7 | 4.4 | 3.6 | 4.5 | 3.4 | 4.6 | 3.5 | | |
| 50 | 5.6 | 10.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 6.0 | 4.6 | 6.7 | 4.8 | 7.1 | 4.3 |
| | | 12.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 6.0 | 4.6 | 6.7 | 4.8 | 7.0 | 4.3 |
| | | 14.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 6.0 | 4.6 | 6.7 | 4.8 | 6.9 | 4.2 |
| | | 16.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 6.0 | 4.6 | 6.7 | 4.8 | 6.8 | 4.1 |
| | | 18.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 6.0 | 4.6 | 6.6 | 4.7 | 6.7 | 4.1 |
| | | 20.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 6.0 | 4.6 | 6.5 | 4.7 | 6.6 | 4.0 |
| | | 21.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 6.0 | 4.6 | 6.4 | 4.6 | 6.6 | 4.0 |
| | | 23.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 6.0 | 4.6 | 6.4 | 4.6 | 6.5 | 4.0 |
| | | 25.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 6.0 | 4.6 | 6.3 | 4.5 | 6.4 | 3.9 |
| | | 27.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 6.0 | 4.6 | 6.2 | 4.5 | 6.3 | 3.8 |
| | | 29.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 5.9 | 4.6 | 6.1 | 4.4 | 6.2 | 3.8 |
| | | 31.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 5.9 | 4.6 | 6.0 | 4.4 | 6.1 | 3.7 |
| | | 33.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 5.8 | 4.5 | 5.9 | 4.3 | 6.0 | 3.7 |
| | | 35.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.6 | 4.6 | 5.7 | 4.5 | 5.8 | 4.3 | 5.9 | 3.6 |
| 37.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.5 | 4.6 | 5.6 | 4.4 | 5.7 | 4.2 | 5.8 | 3.6 | | |
| 39.0 | 3.8 | 3.6 | 4.5 | 4.1 | 5.2 | 4.5 | 5.4 | 4.5 | 5.5 | 4.4 | 5.6 | 4.2 | 5.8 | 3.5 | | |
| 63 | 7.1 | 10.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.6 | 5.6 | 8.5 | 5.8 | 9.0 | 6.4 |
| | | 12.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.6 | 5.6 | 8.5 | 5.8 | 8.9 | 6.3 |
| | | 14.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.6 | 5.6 | 8.5 | 5.8 | 8.7 | 6.3 |
| | | 16.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.6 | 5.6 | 8.5 | 5.8 | 8.6 | 6.3 |
| | | 18.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.6 | 5.6 | 8.3 | 5.8 | 8.5 | 6.2 |
| | | 20.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.6 | 5.6 | 8.2 | 5.7 | 8.4 | 6.2 |
| | | 21.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.6 | 5.6 | 8.2 | 5.7 | 8.3 | 6.2 |
| | | 23.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.6 | 5.6 | 8.1 | 5.6 | 8.2 | 6.1 |
| | | 25.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.6 | 5.6 | 7.9 | 5.6 | 8.1 | 6.1 |
| | | 27.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.6 | 5.6 | 7.8 | 5.5 | 8.0 | 6.1 |
| | | 29.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.5 | 5.6 | 7.7 | 5.4 | 7.9 | 6.0 |
| | | 31.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.4 | 5.5 | 7.6 | 5.4 | 7.8 | 6.0 |
| | | 33.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.3 | 5.5 | 7.5 | 5.3 | 7.6 | 5.9 |
| | | 35.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.1 | 5.5 | 7.2 | 5.4 | 7.4 | 5.3 | 7.5 | 5.9 |
| 37.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 7.0 | 5.5 | 7.1 | 5.4 | 7.2 | 5.2 | 7.4 | 5.9 | | |
| 39.0 | 4.8 | 4.2 | 5.7 | 4.9 | 6.6 | 5.4 | 6.9 | 5.4 | 7.0 | 5.3 | 7.1 | 5.1 | 7.3 | 5.8 | | |
| 80 | 9.0 | 10.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.6 | 7.1 | 10.8 | 7.4 | 11.4 | 7.4 |
| | | 12.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.6 | 7.1 | 10.8 | 7.4 | 11.2 | 7.4 |
| | | 14.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.6 | 7.1 | 10.8 | 7.4 | 11.1 | 7.3 |
| | | 16.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.6 | 7.1 | 10.7 | 7.4 | 10.9 | 7.2 |
| | | 18.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.6 | 7.1 | 10.6 | 7.3 | 10.8 | 7.2 |
| | | 20.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.6 | 7.1 | 10.4 | 7.2 | 10.6 | 7.1 |
| | | 21.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.6 | 7.1 | 10.4 | 7.2 | 10.6 | 7.1 |
| | | 23.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.6 | 7.1 | 10.2 | 7.1 | 10.4 | 7.0 |
| | | 25.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.6 | 7.1 | 10.1 | 7.0 | 10.3 | 6.9 |
| | | 27.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.6 | 7.1 | 9.9 | 7.0 | 10.1 | 6.9 |
| | | 29.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.5 | 7.1 | 9.8 | 6.9 | 10.0 | 6.8 |
| | | 31.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.4 | 7.0 | 9.6 | 6.8 | 9.8 | 6.7 |
| | | 33.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.3 | 7.0 | 9.5 | 6.7 | 9.7 | 6.7 |
| | | 35.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 9.0 | 7.0 | 9.1 | 6.9 | 9.3 | 6.6 | 9.5 | 6.6 |
| 37.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 8.9 | 6.9 | 9.0 | 6.8 | 9.2 | 6.6 | 9.4 | 6.5 | | |
| 39.0 | 6.1 | 5.3 | 7.2 | 6.1 | 8.4 | 6.9 | 8.7 | 6.8 | 8.8 | 6.7 | 9.0 | 6.5 | 9.3 | 6.5 | | |

CA08A050

5 Capacity tables

5 - 1 Cooling capacity tables

| FXMQ-P | | | TC: Total capacity;kW – SHC: Sensible capacity;kW | | | | | | | | | | | | | |
|-----------|------------------|-------------------|---|-----|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| Unit size | Nominal capacity | Outdoor air temp. | 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 | |
| °CDB | | TC | SHC | TC | SHC | TC | SHC | TC | SHC | TC | SHC | TC | SHC | TC | SHC | |
| 100 | 11.2 | 10.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.9 | 8.7 | 13.4 | 9.0 | 14.2 | 8.9 |
| | | 12.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.9 | 8.7 | 13.4 | 9.0 | 14.0 | 8.9 |
| | | 14.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.9 | 8.7 | 13.4 | 9.0 | 13.8 | 8.8 |
| | | 16.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.9 | 8.7 | 13.3 | 9.0 | 13.6 | 8.7 |
| | | 18.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.9 | 8.7 | 13.2 | 8.9 | 13.4 | 8.6 |
| | | 20.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.9 | 8.7 | 13.0 | 8.8 | 13.2 | 8.5 |
| | | 21.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.9 | 8.7 | 12.9 | 8.8 | 13.2 | 8.5 |
| | | 23.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.9 | 8.7 | 12.7 | 8.7 | 13.0 | 8.4 |
| | | 25.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.9 | 8.7 | 12.5 | 8.6 | 12.8 | 8.3 |
| | | 27.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.9 | 8.7 | 12.3 | 8.5 | 12.6 | 8.2 |
| | | 29.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.9 | 8.6 | 12.2 | 8.4 | 12.4 | 8.1 |
| | | 31.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.7 | 8.5 | 12.0 | 8.3 | 12.2 | 8.0 |
| | | 33.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.5 | 8.5 | 11.8 | 8.2 | 12.1 | 7.9 |
| | | 35.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.2 | 8.5 | 11.3 | 8.4 | 11.6 | 8.1 | 11.9 | 7.8 |
| | | 37.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 11.0 | 8.4 | 11.2 | 8.3 | 11.4 | 8.0 | 11.7 | 7.7 |
| 39.0 | 7.6 | 6.4 | 9.0 | 7.3 | 10.5 | 8.3 | 10.8 | 8.3 | 11.0 | 8.2 | 11.2 | 7.9 | 11.5 | 7.6 | | |
| 125 | 14.0 | 10.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.9 | 10.8 | 16.7 | 11.1 | 17.7 | 11.1 |
| | | 12.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.9 | 10.8 | 16.7 | 11.1 | 17.5 | 11.0 |
| | | 14.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.9 | 10.8 | 16.7 | 11.1 | 17.2 | 10.9 |
| | | 16.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.9 | 10.8 | 16.7 | 11.1 | 17.0 | 10.8 |
| | | 18.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.9 | 10.8 | 16.4 | 11.0 | 16.8 | 10.7 |
| | | 20.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.9 | 10.8 | 16.2 | 10.9 | 16.6 | 10.6 |
| | | 21.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.9 | 10.8 | 16.1 | 10.9 | 16.4 | 10.5 |
| | | 23.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.9 | 10.8 | 15.9 | 10.8 | 16.2 | 10.4 |
| | | 25.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.9 | 10.8 | 15.6 | 10.6 | 16.0 | 10.3 |
| | | 27.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.9 | 10.8 | 15.4 | 10.5 | 15.8 | 10.2 |
| | | 29.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.9 | 10.7 | 15.2 | 10.4 | 15.5 | 10.1 |
| | | 31.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.6 | 10.6 | 15.0 | 10.3 | 15.3 | 10.0 |
| | | 33.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.4 | 10.5 | 14.7 | 10.2 | 15.1 | 9.8 |
| | | 35.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 14.0 | 10.5 | 14.2 | 10.4 | 14.5 | 10.1 | 14.9 | 9.7 |
| | | 37.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 13.8 | 10.4 | 13.9 | 10.3 | 14.3 | 10.0 | 14.6 | 9.6 |
| 39.0 | 9.4 | 8.0 | 11.3 | 9.2 | 13.1 | 10.3 | 13.5 | 10.3 | 13.7 | 10.2 | 14.1 | 9.9 | 14.4 | 9.5 | | |

CA08A050

5 Capacity tables

5 - 2 Heating capacity tables

| FXMQ-P | | | | TC: Total capacity;kW – SHC: Sensible capacity;kW | | | | | |
|-----------|------------------|-------------------|-------|---|------|------|------|------|------|
| Unit size | Nominal capacity | Outdoor air temp. | | Indoor air temperature | | | | | |
| | | | | 16.0 | 18.0 | 20.0 | 21.0 | 22.0 | 24.0 |
| | | °CDB | °CWB | KW | KW | KW | KW | KW | KW |
| 40 | 5.0 | -19.8 | -20.0 | 3.0 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| | | -18.8 | -19.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| | | -16.7 | -17.0 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| | | -14.7 | -15.0 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| | | -12.6 | -13.0 | 3.6 | 3.6 | 3.6 | 3.5 | 3.5 | 3.5 |
| | | -10.5 | -11.0 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| | | -9.5 | -10.0 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| | | -8.5 | -9.1 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| | | -7.0 | -7.6 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| | | -5.0 | -5.6 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| | | -3.0 | -3.7 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| | | 0.0 | -0.7 | 4.7 | 4.6 | 4.6 | 4.6 | 4.6 | 4.4 |
| | | 3.0 | 2.2 | 4.9 | 4.9 | 4.9 | 4.8 | 4.7 | 4.4 |
| | | 5.0 | 4.1 | 5.1 | 5.1 | 5.0 | 4.8 | 4.7 | 4.4 |
| | | 7.0 | 6.0 | 5.2 | 5.2 | 5.0 | 4.8 | 4.7 | 4.4 |
| | | 9.0 | 7.9 | 5.4 | 5.3 | 5.0 | 4.8 | 4.7 | 4.4 |
| 11.0 | 9.8 | 5.6 | 5.3 | 5.0 | 4.8 | 4.7 | 4.4 | | |
| 13.0 | 11.8 | 5.6 | 5.3 | 5.0 | 4.8 | 4.7 | 4.4 | | |
| 15.0 | 13.7 | 5.6 | 5.3 | 5.0 | 4.8 | 4.7 | 4.4 | | |
| 50 | 6.3 | -19.8 | -20.0 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| | | -18.8 | -19.0 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| | | -16.7 | -17.0 | 4.1 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| | | -14.7 | -15.0 | 4.3 | 4.3 | 4.3 | 4.2 | 4.2 | 4.2 |
| | | -12.6 | -13.0 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| | | -10.5 | -11.0 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | | -9.5 | -10.0 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| | | -8.5 | -9.1 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| | | -7.0 | -7.6 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| | | -5.0 | -5.6 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| | | -3.0 | -3.7 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| | | 0.0 | -0.7 | 5.9 | 5.9 | 5.8 | 5.8 | 5.8 | 5.5 |
| | | 3.0 | 2.2 | 6.2 | 6.2 | 6.2 | 6.1 | 5.9 | 5.5 |
| | | 5.0 | 4.1 | 6.4 | 6.4 | 6.3 | 6.1 | 5.9 | 5.5 |
| | | 7.0 | 6.0 | 6.6 | 6.6 | 6.3 | 6.1 | 5.9 | 5.5 |
| | | 9.0 | 7.9 | 6.8 | 6.7 | 6.3 | 6.1 | 5.9 | 5.5 |
| 11.0 | 9.8 | 7.0 | 6.7 | 6.3 | 6.1 | 5.9 | 5.5 | | |
| 13.0 | 11.8 | 7.1 | 6.7 | 6.3 | 6.1 | 5.9 | 5.5 | | |
| 15.0 | 13.7 | 7.1 | 6.7 | 6.3 | 6.1 | 5.9 | 5.5 | | |
| 63 | 8.0 | -19.8 | -20.0 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| | | -18.8 | -19.0 | 4.9 | 4.9 | 4.8 | 4.8 | 4.8 | 4.8 |
| | | -16.7 | -17.0 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| | | -14.7 | -15.0 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |
| | | -12.6 | -13.0 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| | | -10.5 | -11.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 5.9 |
| | | -9.5 | -10.0 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| | | -8.5 | -9.1 | 6.3 | 6.3 | 6.2 | 6.2 | 6.2 | 6.2 |
| | | -7.0 | -7.6 | 6.5 | 6.5 | 6.4 | 6.4 | 6.4 | 6.4 |
| | | -5.0 | -5.6 | 6.8 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| | | -3.0 | -3.7 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| | | 0.0 | -0.7 | 7.5 | 7.4 | 7.4 | 7.4 | 7.4 | 7.0 |
| | | 3.0 | 2.2 | 7.9 | 7.8 | 7.8 | 7.7 | 7.5 | 7.0 |
| | | 5.0 | 4.1 | 8.1 | 8.1 | 8.0 | 7.7 | 7.5 | 7.0 |
| | | 7.0 | 6.0 | 8.4 | 8.4 | 8.0 | 7.7 | 7.5 | 7.0 |
| | | 9.0 | 7.9 | 8.7 | 8.5 | 8.0 | 7.7 | 7.5 | 7.0 |
| 11.0 | 9.8 | 8.9 | 8.5 | 8.0 | 7.7 | 7.5 | 7.0 | | |
| 13.0 | 11.8 | 9.0 | 8.5 | 8.0 | 7.7 | 7.5 | 7.0 | | |
| 15.0 | 13.7 | 9.0 | 8.5 | 8.0 | 7.7 | 7.5 | 7.0 | | |
| 80 | 10.0 | -19.8 | -20.0 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.8 |
| | | -18.8 | -19.0 | 6.1 | 6.1 | 6.0 | 6.0 | 6.0 | 6.0 |
| | | -16.7 | -17.0 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| | | -14.7 | -15.0 | 6.8 | 6.8 | 6.8 | 6.7 | 6.7 | 6.7 |
| | | -12.6 | -13.0 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 |
| | | -10.5 | -11.0 | 7.5 | 7.5 | 7.5 | 7.5 | 7.4 | 7.4 |
| | | -9.5 | -10.0 | 7.7 | 7.7 | 7.6 | 7.6 | 7.6 | 7.6 |
| | | -8.5 | -9.1 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 |
| | | -7.0 | -7.6 | 8.1 | 8.1 | 8.1 | 8.1 | 8.0 | 8.0 |
| | | -5.0 | -5.6 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 |
| | | -3.0 | -3.7 | 8.8 | 8.8 | 8.7 | 8.7 | 8.7 | 8.7 |
| | | 0.0 | -0.7 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 8.7 |
| | | 3.0 | 2.2 | 9.8 | 9.8 | 9.8 | 9.7 | 9.4 | 8.7 |
| | | 5.0 | 4.1 | 10.2 | 10.1 | 10.0 | 9.7 | 9.4 | 8.7 |
| | | 7.0 | 6.0 | 10.5 | 10.5 | 10.0 | 9.7 | 9.4 | 8.7 |
| | | 9.0 | 7.9 | 10.8 | 10.6 | 10.0 | 9.7 | 9.4 | 8.7 |
| 11.0 | 9.8 | 11.2 | 10.6 | 10.0 | 9.7 | 9.4 | 8.7 | | |
| 13.0 | 11.8 | 11.3 | 10.6 | 10.0 | 9.7 | 9.4 | 8.7 | | |
| 15.0 | 13.7 | 11.3 | 10.6 | 10.0 | 9.7 | 9.4 | 8.7 | | |

CA08A056

5 Capacity tables

5 - 2 Heating capacity tables

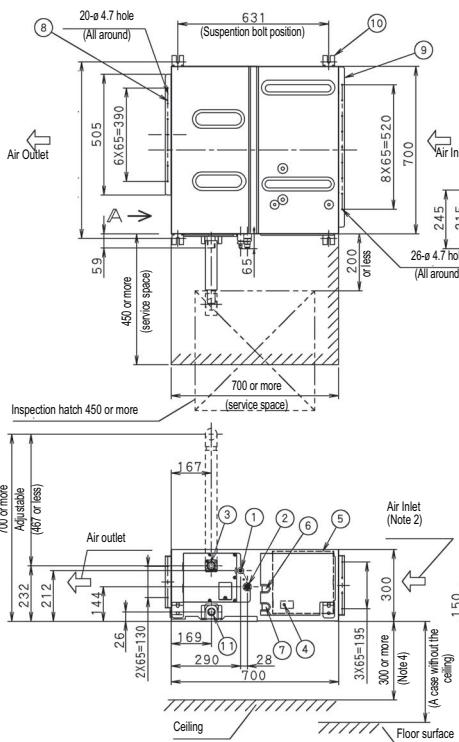
| FXMQ-P | | TC: Total capacity;kW – SHC: Sensible capacity;kW | | | | | | | |
|-----------|------------------|---|-------|------------------------|------|------|------|------|------|
| Unit size | Nominal capacity | Outdoor air temp. | | Indoor air temperature | | | | | |
| | | | | 16.0 | 18.0 | 20.0 | 21.0 | 22.0 | 24.0 |
| | | °CDB | °CWB | KW | KW | KW | KW | KW | KW |
| 100 | 12.5 | -19.8 | -20.0 | 7.4 | 7.4 | 7.3 | 7.3 | 7.3 | 7.3 |
| | | -18.8 | -19.0 | 7.6 | 7.6 | 7.6 | 7.5 | 7.5 | 7.5 |
| | | -16.7 | -17.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| | | -14.7 | -15.0 | 8.5 | 8.5 | 8.4 | 8.4 | 8.4 | 8.4 |
| | | -12.6 | -13.0 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.8 |
| | | -10.5 | -11.0 | 9.4 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 |
| | | -9.5 | -10.0 | 9.6 | 9.6 | 9.5 | 9.5 | 9.5 | 9.5 |
| | | -8.5 | -9.1 | 9.8 | 9.8 | 9.7 | 9.7 | 9.7 | 9.7 |
| | | -7.0 | -7.6 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.0 |
| | | -5.0 | -5.6 | 10.6 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| | | -3.0 | -3.7 | 11.0 | 11.0 | 10.9 | 10.9 | 10.9 | 10.9 |
| | | 0.0 | -0.7 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 10.9 |
| | | 3.0 | 2.2 | 12.3 | 12.3 | 12.2 | 12.1 | 11.7 | 10.9 |
| | | 5.0 | 4.1 | 12.7 | 12.7 | 12.5 | 12.1 | 11.7 | 10.9 |
| | | 7.0 | 6.0 | 13.1 | 13.1 | 12.5 | 12.1 | 11.7 | 10.9 |
| | | 9.0 | 7.9 | 13.5 | 13.3 | 12.5 | 12.1 | 11.7 | 10.9 |
| | | 11.0 | 9.8 | 14.0 | 13.3 | 12.5 | 12.1 | 11.7 | 10.9 |
| 13.0 | 11.8 | 14.1 | 13.3 | 12.5 | 12.1 | 11.7 | 10.9 | | |
| 15.0 | 13.7 | 14.1 | 13.3 | 12.5 | 12.1 | 11.7 | 10.9 | | |
| 125 | 16.0 | -19.8 | -20.0 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.3 |
| | | -18.8 | -19.0 | 9.7 | 9.7 | 9.7 | 9.7 | 9.6 | 9.6 |
| | | -16.7 | -17.0 | 10.3 | 10.3 | 10.2 | 10.2 | 10.2 | 10.2 |
| | | -14.7 | -15.0 | 10.9 | 10.8 | 10.8 | 10.8 | 10.8 | 10.7 |
| | | -12.6 | -13.0 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.3 |
| | | -10.5 | -11.0 | 12.0 | 12.0 | 11.9 | 11.9 | 11.9 | 11.9 |
| | | -9.5 | -10.0 | 12.3 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| | | -8.5 | -9.1 | 12.5 | 12.5 | 12.5 | 12.5 | 12.4 | 12.4 |
| | | -7.0 | -7.6 | 13.0 | 12.9 | 12.9 | 12.9 | 12.9 | 12.8 |
| | | -5.0 | -5.6 | 13.5 | 13.5 | 13.5 | 13.4 | 13.4 | 13.4 |
| | | -3.0 | -3.7 | 14.1 | 14.0 | 14.0 | 14.0 | 14.0 | 13.9 |
| | | 0.0 | -0.7 | 14.9 | 14.9 | 14.8 | 14.8 | 14.8 | 13.9 |
| | | 3.0 | 2.2 | 15.7 | 15.7 | 15.7 | 15.5 | 15.0 | 13.9 |
| | | 5.0 | 4.1 | 16.3 | 16.2 | 16.0 | 15.5 | 15.0 | 13.9 |
| | | 7.0 | 6.0 | 16.8 | 16.8 | 16.0 | 15.5 | 15.0 | 13.9 |
| | | 9.0 | 7.9 | 17.3 | 17.0 | 16.0 | 15.5 | 15.0 | 13.9 |
| | | 11.0 | 9.8 | 17.9 | 17.0 | 16.0 | 15.5 | 15.0 | 13.9 |
| 13.0 | 11.8 | 18.1 | 17.0 | 16.0 | 15.5 | 15.0 | 13.9 | | |
| 15.0 | 13.7 | 18.1 | 17.0 | 16.0 | 15.5 | 15.0 | 13.9 | | |

CA08A056

6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

FXMQ40P



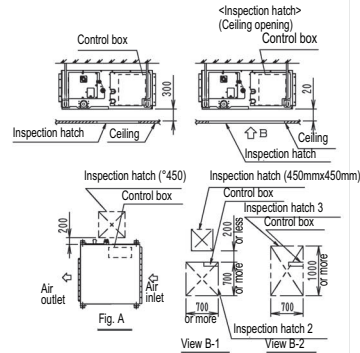
NOTES

- 1 Location of MANUFACTURE'S LABEL: Control box surface
- 2 Mount the air filter at the suction side. (Select its color/method (gravity method) 50% or more)
- 3 Do not locate things should not be wet under the indoor unit. Dews may drop when humidity reaches over 80%, or a drain gets stuck, or air filters are not clean.

Space for Service Works

According to any one of below 1) - 3), secure a space for service works, such as, checking and maintenance of control box and drain pumps, etc.

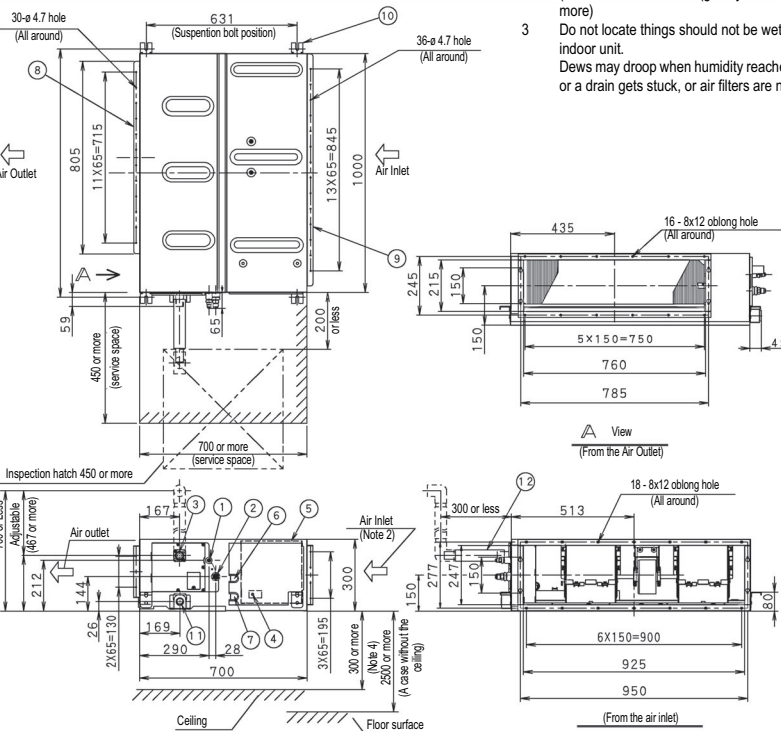
- 1) One inspection hatch (450x450) on the control box side and a space of 300mm or more under the unit. (Fig.A)
- 2) One inspection hatch (450x450) on the control box side and 2 (two) inspection hatches under the unit (Arrow view B-1)
- 3) 3 (three) inspection hatches under the unit and the control box. (Arrow view B-2)



| | | |
|------|----------------------------------|------------------------------|
| 12 | Drain hose (accessory) | O.D. ø 32 (outlet) |
| 11 | Socket (for maintenance) | VP25 (O.D. ø 32 / I.D. ø 25) |
| 10 | Hook | For M10 |
| 9 | Air suction flange | |
| 8 | Air discharge flange | |
| 7 | Power supply connection | |
| 6 | Interunit wiring connection | |
| 5 | Control box (inside) | |
| 4 | Ground terminal (in control box) | M4 |
| 3 | Drain pipe connection | VP25 (O.D. ø 32 / I.D. ø 25) |
| 2 | Gas pipe connection | ø 12.7 flange connection |
| 1 | Liquid pipe connection | ø 6.4 flange connection |
| ITEM | PART NAME | REMARK |

3D060160

FXMQ50,63,80P



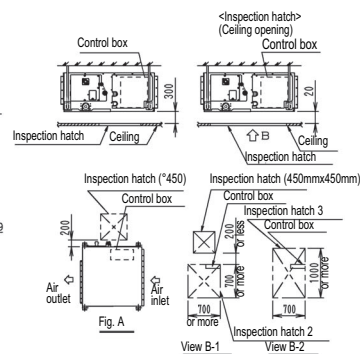
NOTES

- 1 Location of MANUFACTURE'S LABEL: Control box 4 surface
- 2 Mount the air filter at the suction side. (Select its color/method (gravity method) 50% or more)
- 3 Do not locate things should not be wet under the indoor unit. Dews may drop when humidity reaches over 80%, or a drain gets stuck, or air filters are not clean.

Space for Service Works

According to any one of below 1) - 3), secure a space for service works, such as, checking and maintenance of control box and drain pumps, etc.

- 1) One inspection hatch (450x450) on the control box side and a space of 300mm or more under the unit. (Fig.A)
- 2) One inspection hatch (450x450) on the control box side and 2 (two) inspection hatches under the unit (Arrow view B-1)
- 3) 3 (three) inspection hatches under the unit and the control box. (Arrow view B-2)



| | | |
|------|----------------------------------|------------------------------|
| 12 | Drain hose (accessory) | O.D. ø 32 (outlet) |
| 11 | Socket (for maintenance) | VP25 (O.D. ø 32 / I.D. ø 25) |
| 10 | Hook | For M10 |
| 9 | Air suction flange | |
| 8 | Air discharge flange | |
| 7 | Power supply connection | |
| 6 | Interunit wiring connection | |
| 5 | Control box (inside) | |
| 4 | Ground terminal (in control box) | M4 |
| 3 | Drain pipe connection | VP25 (O.D. ø 32 / I.D. ø 25) |
| 2 | Gas pipe connection | ø 15.9 flange connection |
| 1 | Liquid pipe connection | ø 9.5 flange connection |
| ITEM | PART NAME | REMARK |

3D060161

6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

FXMQ100,125P

NOTES

- Location of MANUFACTURE'S LABEL:
Control box surface
- Mount the air filter at the suction side.
(Select its color/method (gravity method) 50% or more)
- Do not locate things should not be wet under the indoor unit.
Dews may droop when humidity reaches over 80%, or a drain gets stuck, or air filters are not clean.
- Space for Service Works
According to any one of below 1) - 3), secure a space for service works, such as, checking and maintenance of control box and drain pumps, etc.
 - One inspection hatch (450x450) on the control box side and a space of 300mm or more under the unit. (Fig.A)
 - One inspection hatch (450x450) on the control box side and 2 (two) inspection hatches under the unit (Arrow view B-1)
 - 3 (three) inspection hatches under the unit and the control box. (Arrow view B-2)

| | | |
|------|----------------------------------|-----------------------------|
| 12 | Drain hose (accessory) | O.D. ø 32 (outlet) |
| 11 | Socket (for maintenance) | VP25 (O.D. ø 32 /I.D. ø 25) |
| 10 | Hook | For M10 |
| 9 | Air suction flange | |
| 8 | Air discharge flange | |
| 7 | Power supply connection | |
| 6 | Interunit wiring connection | |
| 5 | Control box (inside) | |
| 4 | Ground terminal (in control box) | M4 |
| 3 | Drain pipe connection | VP25 (O.D. ø 32 /I.D. ø 25) |
| 2 | Gas pipe connection | ø 15.9 flange connection |
| 1 | Liquid pipe connection | ø 9.5 flange connection |
| ITEM | PART NAME | REMARK |

3D060162

FXMQ-P

REMOTE CONTROL DIMENSIONS

INSTALLATION METHOD

EXPOSED BODY, EXPOSED CORD
 EXPOSED BODY, EMBEDDED CORD
 EXPOSED BODY, EMBEDDED CODE

NOTE

- Remote control cord and staple are not attached. They are field supplied parts.

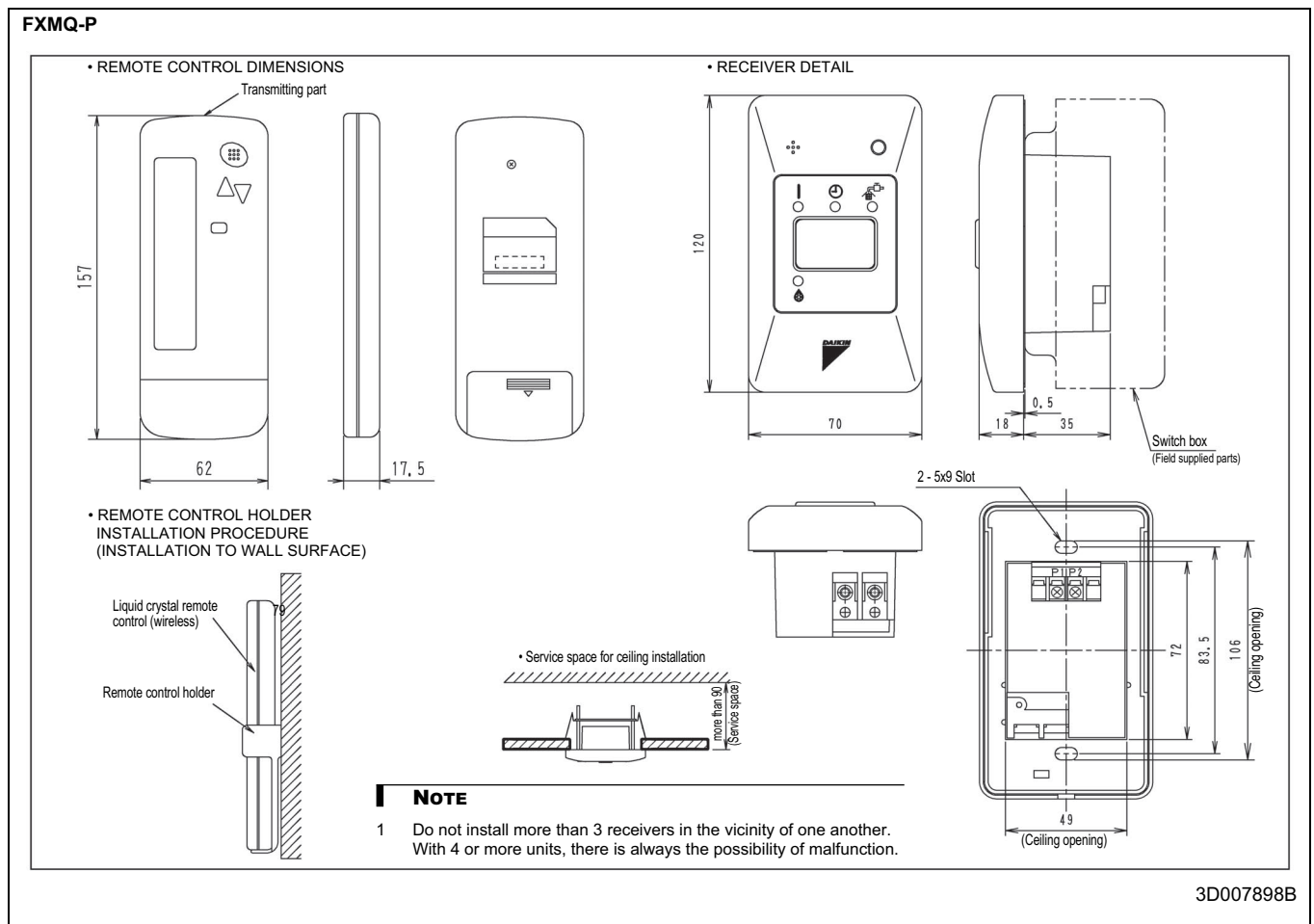
Specifications of cord

| Type | For Australia | For other countries |
|--------------|--|---------------------|
| | Shield wire (insulated thickness: 1mm or more) | |
| Size | 0.75~1.25mm ² | |
| Total length | 500m | |

3D028952

6 Dimensional drawing & centre of gravity

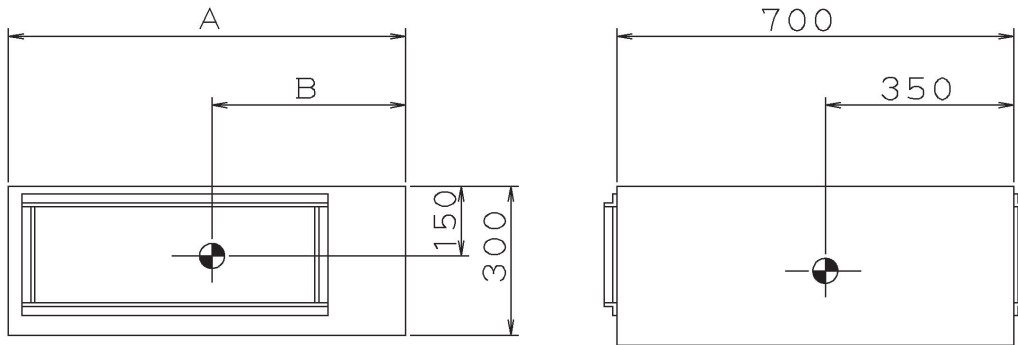
6 - 1 Dimensional drawing



6 Dimensional drawing & centre of gravity

6 - 2 Centre of gravity

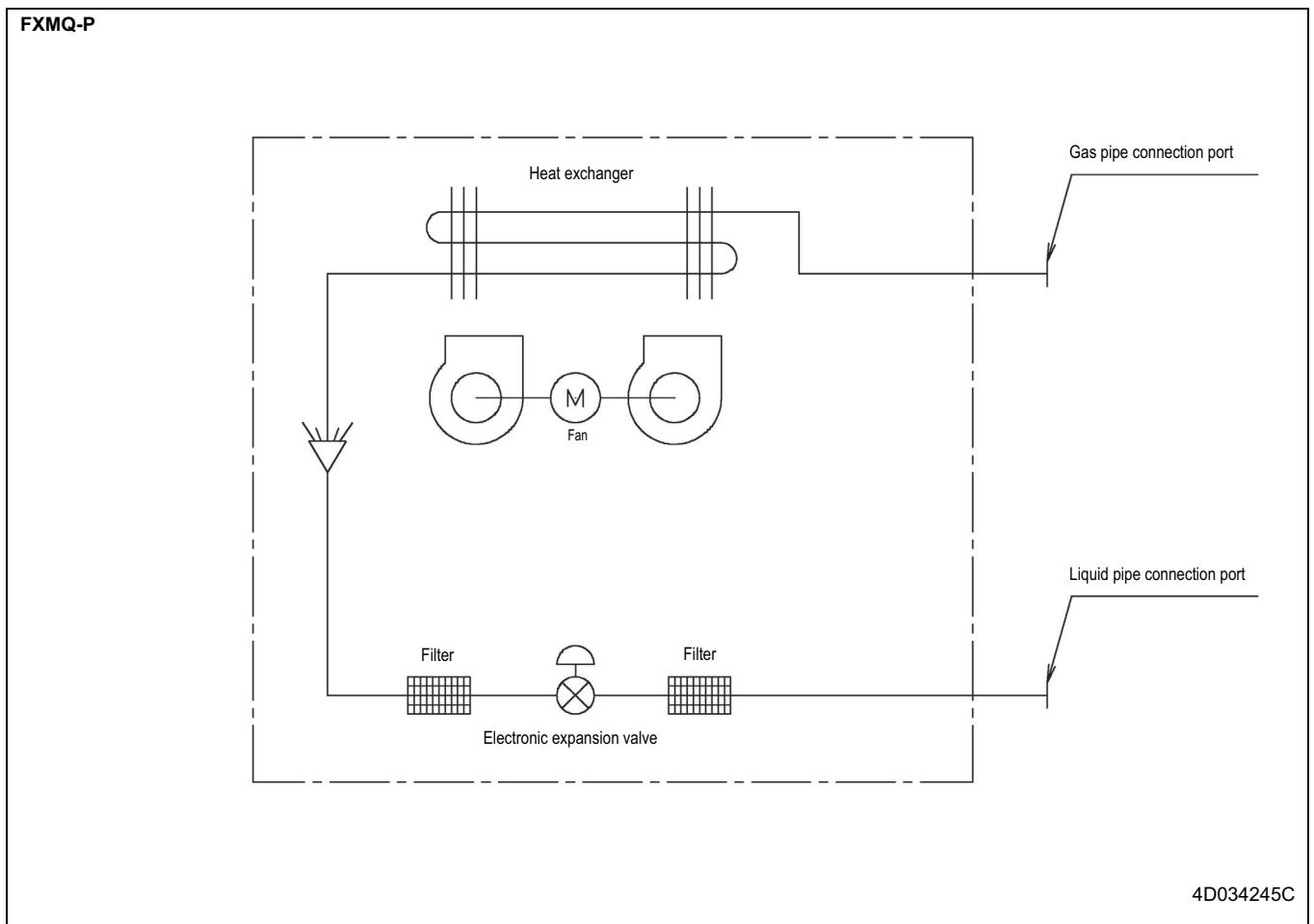
FXMQ-P



| MODEL NAME | A | B |
|---------------|------|-----|
| FXMQ40P | 700 | 280 |
| FXMQ50•63•80P | 1000 | 460 |
| FXMQ100•125P | 1400 | 600 |

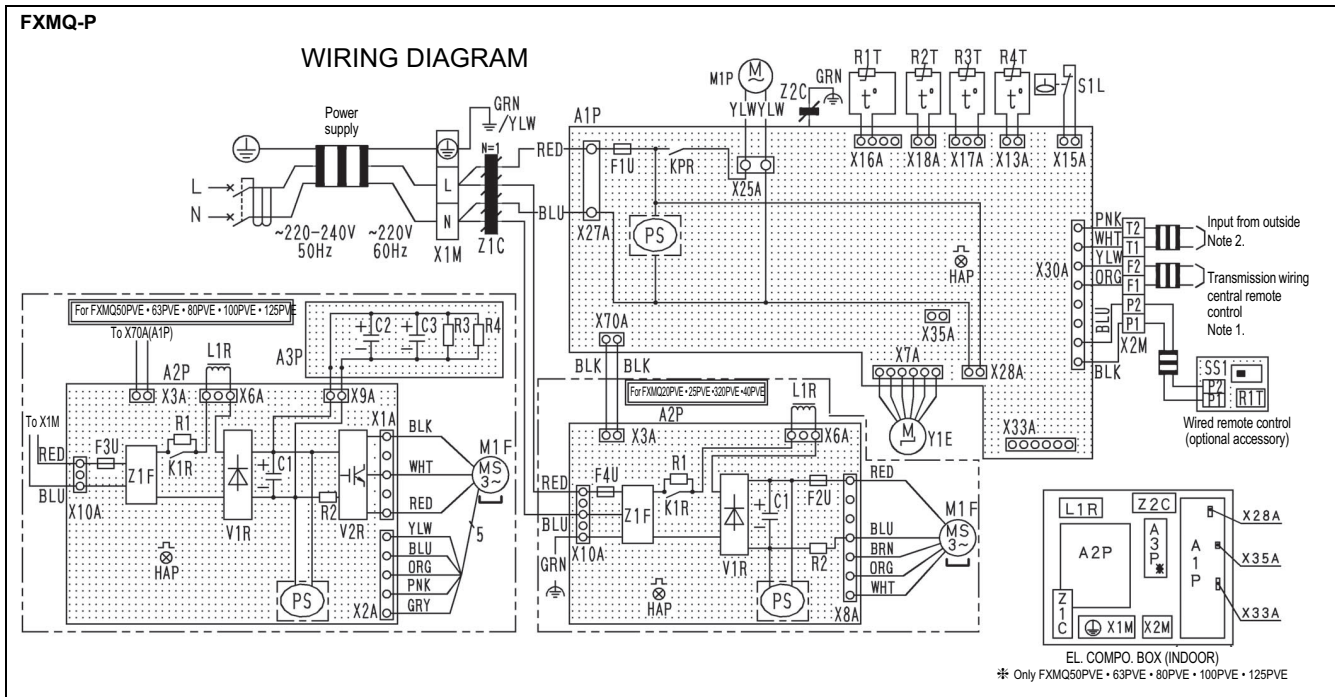
4D060438

7 Piping diagram



8 Wiring diagram

8 - 1 Wiring diagram



| Indoor unit | | Connector optional accessory | |
|-------------|---|------------------------------|-------------------------------------|
| A1P | Printed circuit board | R1 | Resistor (current limiting) |
| A2P | Printed circuit board (Fan) | R2 | Current sensing device |
| A3P | Printed circuit board (Capacitor) | R3, R4 | Resistor (electric discharge) |
| C1, C2, C3 | Capacitor | R1T | Thermistor (suction air) |
| F1U | Fuse (T, 3, 15A, 250V) | R2T | Thermistor (liquid) |
| F2U | Fuse (T, 5A, 250V) | R3T | Thermistor (gas) |
| F3U | Fuse (T, 6, 3A, 250V) | R4T | Thermistor (discharge air) |
| F4U | Fuse (T, 6, 3A, 250V) | S1L | Float switch |
| HAP | Light emitting diode (service monitor-green) (A1P, A2P) | V1R | Diode bridge |
| KPR | Magnetic relay | V2R | Power module |
| K1R | Magnetic relay | X1M | Terminal strip (power supply) |
| L1R | Reactor | X2M | Terminal strip (control) |
| M1F | Motor (fan) | Y1E | Electronic expansion valve |
| M1P | Motor (drain pump) | Z1C, Z2C | Noise filter (ferrite core) |
| PS | Switching power supply (A1P, A2P) | Z1F | Noise filter |
| | | X28A | Connector (power supply for wiring) |
| | | X33A | Connector (for wiring) |
| | | X35A | Connector (adapter) |
| | | Wired remote control | |
| | | R1T | Thermistor (air) |
| | | SS1 | Selector switch (main/sub) |

- □ □ : Terminal
- □ □ : Connector
- ≡ ≡ ≡ : Field wiring
- Colors:
- RED: Red
 - BLK: Black
 - WHT: White
 - YLW: Yellow
 - BRN: Brown
 - GRY: Gray
 - BLU: Blue
 - PNK: Pink
 - ORG: Orange
 - GRN: Green

3D058783

NOTES

- In case of using central remote control, connect it to the unit in accordance with the attached installation 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.

9 Sound data

9 - 1 Sound pressure spectrum

FXMQ40P

4D060446

NOTES

| Scale | Air flow rate | | |
|-------|---------------|------|------|
| | HH | H | L |
| A | 39.0 | 37.0 | 35.0 |
| C | 45.0 | 42.0 | 41.0 |

- Over All (dB):
(B, G, N is already rectified)
- Operating conditons:
 - Power source: 220-240V 50Hz / 220V 60Hz
 - Cooling - Return air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
 - Heating - Return air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB
 - External static Pressure: 100Pa
- Measuring place: Anechoic chamber
- Location of microphone
- Operation noise differs with operation and ambient options

FXMQ50P

4D060428

NOTES

| Scale | Air flow rate | | |
|-------|---------------|------|------|
| | HH | H | L |
| A | 41.0 | 39.0 | 37.0 |
| C | 46.0 | 44.0 | 42.0 |

- Over All (dB):
(B, G, N is already rectified)
- Operating conditons:
 - Power source: 220-240V 50Hz / 220V 60Hz
 - Cooling - Return air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
 - Heating - Return air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB
 - External static Pressure: 100Pa
- Measuring place: Anechoic chamber
- Location of microphone
- Operation noise differs with operation and ambient conditions.

FXMQ63P

4D060447

NOTES

| Scale | Air flow rate | | |
|-------|---------------|------|------|
| | HH | H | L |
| A | 42.0 | 40.0 | 38.0 |
| C | 48.0 | 46.0 | 44.0 |

- Over All (dB):
(B, G, N is already rectified)
- Operating conditons:
 - Power source: 220-240V 50Hz / 220V 60Hz
 - Cooling: Return air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
 - Heating: Return air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB
 - External static Pressure: 100Pa
- Measuring place: Anechoic chamber
- Location of microphone
- Operation noise differs with operation and ambient conditions.

FXMQ80P

4D060429

NOTES

| Scale | Air flow rate | | |
|-------|---------------|------|------|
| | HH | H | L |
| A | 43.0 | 41.0 | 39.0 |
| C | 49.0 | 47.0 | 45.0 |

- Over All (dB):
(B, G, N is already rectified)
- Operating conditons:
 - Power source: 220-240V 50Hz / 220V 60Hz
 - Cooling: Return air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
 - Heating: Return air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB
 - External static Pressure: 100Pa
- Measuring place: Anechoic chamber
- Location of microphone
- Operation noise differs with operation and ambient conditions.

9 Sound data

9 - 1 Sound pressure spectrum

FXMQ100P

4D060448

NOTES

- Over All (dB):
(B, G, N is already rectified)

| Scale | Air flow rate | | |
|-------|---------------|------|------|
| | HH | H | L |
| A | 43.0 | 41.0 | 39.0 |
| C | 49.0 | 46.0 | 44.0 |

- Operating conditions:
 - Power source: 220-240V 50Hz / 220V 60Hz
 - Cooling: Return air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
 - Heating: Return air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB
 - External static Pressure: 100Pa
- Measuring place: Anechoic chamber
- Location of microphone

- Operation noise differs with operation and ambient conditions.

FXMQ125P

4D060449

NOTES

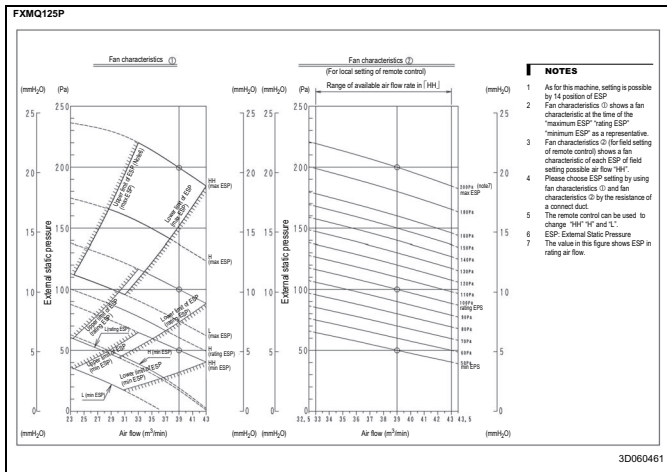
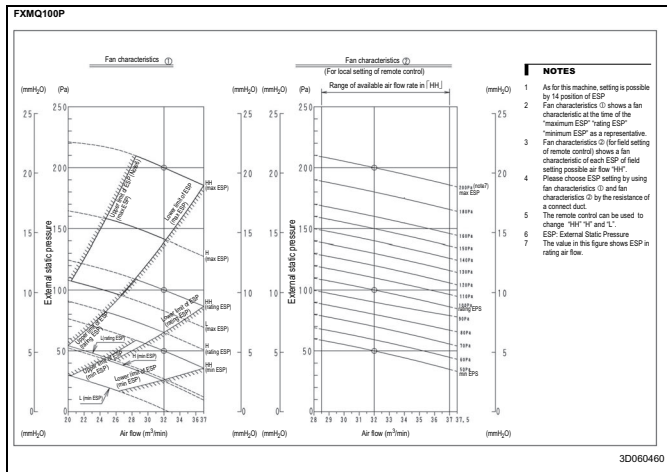
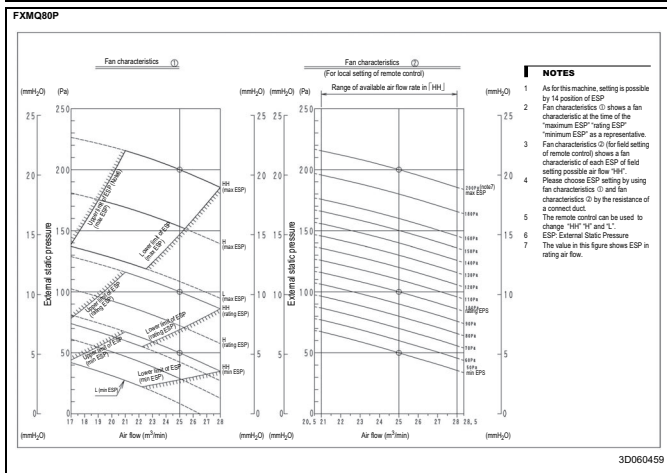
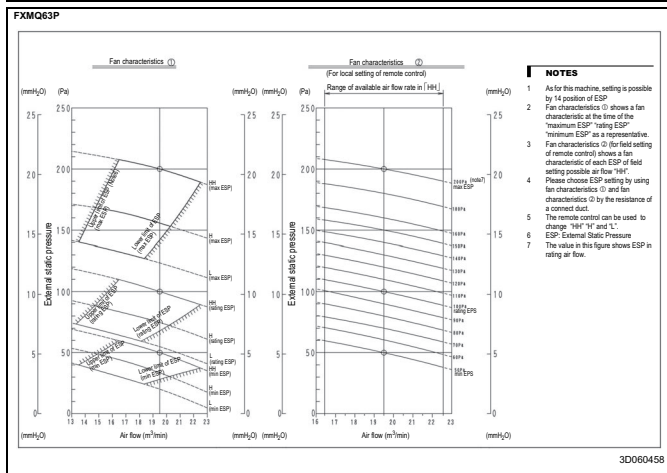
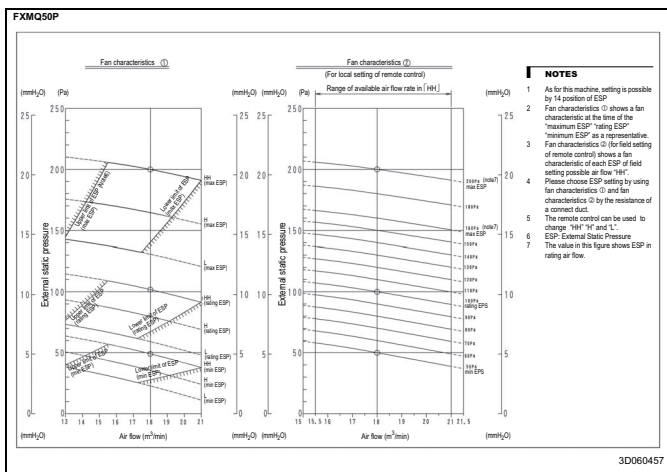
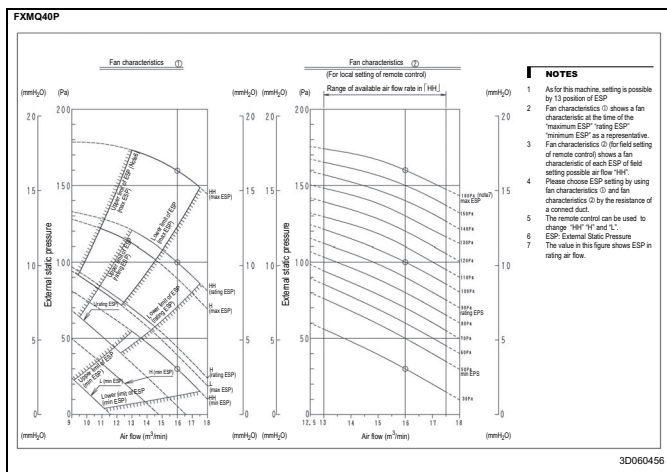
- Over All (dB):
(B, G, N is already rectified)

| Scale | Air flow rate | | |
|-------|---------------|------|------|
| | HH | H | L |
| A | 44.0 | 42.0 | 40.0 |
| C | 50.0 | 48.0 | 45.0 |

- Operating conditions:
 - Power source: 220-240V 50Hz / 220V 60Hz
 - Cooling: Return air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
 - Heating: Return air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB
 - External static Pressure: 100Pa
- Measuring place: Anechoic chamber
- Location of microphone

- Operation noise differs with operation and ambient conditions.

10 Fan characteristics



2e

VRV III-S
VRV III
VRV VII



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.



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

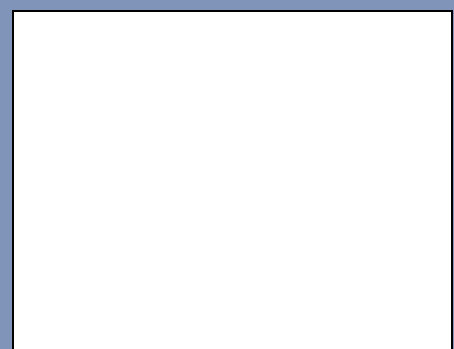


ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



Daikin units comply with the European regulations that guarantee the safety of the product.

The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this publication to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage. In the broadest sense, arising from or related to the use and/or interpretation of this publication. All content is copyrighted by Daikin Europe N.V..



DAIKIN EUROPE N.V.

Naamloze Vennootschap
Zandvoordestraat 300
B-8400 Oostende, Belgium
www.daikin.eu
BTW: BE 0412 120 336
RPR Oostende

VRV® products are not within the scope of the Eurovent certification programme.

EEDEN08-204 • 01/2008 • Copyright © Daikin
Prepared in Belgium by Lannoo (www.lannooprint.be), a company whose concern for the environment is set in the EMAS and ISO 14001 systems.
Responsible Editor: Daikin Europe N.V., Zandvoordestraat 300, B-8400 Oostende

