DAIKIN

# technical data

air conditioning systems

Floor Standing Unit

FXLQ-MAVE

R-410A

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Floor Standing Unit

FXLQ-MAVE

R-410A

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## FXLQ-MAVE

# 1 Specifications

| 1-1 TECHNICAL SPECIFICATIONS | | | | FXLQ20MAVE | FXLQ25MAVE | FXLQ32MAVE | FXLQ40MAVE | FXLQ50MAVE | FXLQ63MAVE |
|---|---|---|---|---|---|---|---|---|---|
| Capacity | Cooling | | kW | 2.20 | 2.80 | 3.60 | 4.50 | 5.60 | 7.10 |
| | Heating | | kW | 2.50 | 3.20 | 4.00 | 5.00 | 6.30 | 8.00 |
| Power Input (50Hz) | Cooling | | kW | 0.049 | 0.049 | 0.090 | 0.090 | 0.110 | 0.110 |
| | Heating | | kW | 0.049 | 0.049 | 0.090 | 0.090 | 0.110 | 0.110 |
| Power Input (60Hz) | Cooling | | kW | 0.047 | 0.047 | 0.079 | 0.084 | 0.105 | 0.108 |
| | Heating | | kW | 0.047 | 0.047 | 0.079 | 0.084 | 0.105 | 0.108 |
| Casing | Colour | | | Ivory white (5Y7,5/1) | | | | | |
| Dimensions | Unit | Height | mm | 600 | | | | | |
| | | Width | mm | 1000 | 1000 | 1140 | 1140 | 1420 | 1420 |
| | | Depth | mm | 222 | | | | | |
| Weight | Unit | | kg | 25 | 25 | 30 | 30 | 36 | 36 |
| Heat Exchanger | Dimensions | Nr of Rows | | 3 | | | | | |
| | | Fin Pitch | mm | 1.50 | | | | | |
| | | Face Area | m² | 0.159 | 0.159 | 0.200 | 0.200 | 0.282 | 0.282 |
| | | Nr of Stages | | 14 | | | | | |
| Fan | Type | | | Sirocco fan | | | | | |
| | Quantity | | | 1 | | | | | |
| Air Flow Rate | Cooling | High | m³/min | 7.00 | 7.00 | 8.00 | 11.00 | 14.00 | 16.00 |
| | | Low | m³/min | 6.00 | 6.00 | 6.00 | 8.50 | 11.00 | 12.00 |
| Fan | Motor | Quantity | | 1 | | | | | |
| | | Model | | D14B20 | D14B20 | 2D14B13 | 2D14B13 | 2D14B20 | 2D14B20 |
| | | Output (high) | W | 15 | 15 | 25 | 25 | 35 | 35 |
| | | Drive | | Direct drive | | | | | |
| Refrigerant | Name | | | R-410A | | | | | |
| Cooling | Sound Pressure | High | dBA | 35.0 | 35.0 | 35.0 | 38.0 | 39.0 | 40.0 |
| | | Low | dBA | 32.0 | 32.0 | 32.0 | 33.0 | 34.0 | 35.0 |
| Piping connections | Liquid (OD) | Type | | Flare connection | | | | | |
| | | Diameter | mm | 6.35 | 6.35 | 6.35 | 6.35 | 6.35 | 9.52 |
| | Gas | Type | | Flare connection | | | | | |
| | | Diameter | mm | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 15.9 |
| | Drain | Diameter | mm | 21 | | | | | |
| | Heat Insulation | | | Glass Fiber/Urethane Foam | | | | | |
| Air Filter | | | | Resin net with mold resistance | | | | | |
| Refrigerant control | | | | Electronic expansion valve | | | | | |
| Temperature control | | | | Microprocessor thermostat for cooling and heating | | | | | |
| Safety devices | | | | PC board fuse | | | | | |
| | | | | Fan motor thermal protector | | | | | |
| Standard Accessories | | | | Installation and operation manual | | | | | |
| | | | | Insulation for fitting | | | | | |
| | | | | Drain hose | | | | | |
| | | | | Clamps | | | | | |
| | | | | Screws | | | | | |
| | | | | Level adjustment screw | | | | | |
| | | | | Washer | | | | | |
| 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. | | | | | |
| | | | | Sound pressure levels are measured at 220V | | | | | |

# 1 Specifications



| 1-2 ELECTRICAL SPECIFICATIONS (50HZ) | | | FXLQ20MAVE | FXLQ25MAVE | FXLQ32MAVE | FXLQ40MAVE | FXLQ50MAVE | FXLQ63MAVE |
|---|---|---|---|---|---|---|---|---|
| Power Supply | Name | | VE | | | | | |
| | Phase | | 1~ | | | | | |
| | Frequency | Hz | 50 | | | | | |
| | Voltage | V | 220-240 | | | | | |
| Current | Minimum circuit amps (MCA) | A | 0.3 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 |
| | Maximum fuse amps (MFA) | A | 15 | | | | | |
| | Full load amps (FLA) | A | 0.2 | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 |
| 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) | | | FXLQ20MAVE | FXLQ25MAVE | FXLQ32MAVE | FXLQ40MAVE | FXLQ50MAVE | FXLQ63MAVE |
|---|---|---|---|---|---|---|---|---|
| Power Supply | Name | | VE | | | | | |
| | Phase | | 1~ | | | | | |
| | Frequency | Hz | 60 | | | | | |
| | Voltage | V | 220 | | | | | |
| Current | Minimum circuit amps (MCA) | A | 0.3 | 0.3 | 0.5 | 0.5 | 0.6 | 0.6 |
| | Maximum fuse amps (MFA) | A | 15 | | | | | |
| | Full load amps (FLA) | A | 0.2 | 0.2 | 0.4 | 0.4 | 0.5 | 0.5 |
| 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 | | | | | |

# 2 Safety device settings

| | | FXLQ20MA | FXLQ25MA | FXLQ32MA | FXLQ40MA | FXLQ50MA | FXLQ63MA |
|---|---|---|---|---|---|---|---|
| PC BOARD FUSE | | 250V 10A | | | | | |
| FAN MOTOR THERMAL PROTECTOR | °C | OFF: $135^{\pm 10}$ / ON: 120 or less | | | | | |

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# 3 Options

| | FXLQ20MA | FXLQ25MA | FXLQ32MA | FXLQ40MA | FXLQ50MA | FXLQ63MA |
|---|---|---|---|---|---|---|
| LONG LIFE REPLACEMENT FILTER | KAFJ361K28 | | KAFJ361K45 | | KAFJ361K71 | |

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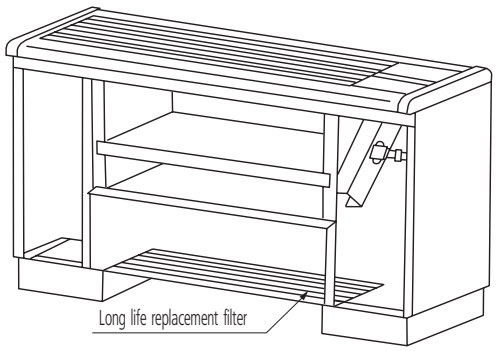

# 4 Control systems



## Individual control systems

| | | FXLQ20MA | FXLQ25MA | FXLQ32MA | FXLQ40MA | FXLQ50MA | FXLQ63MA |
|---|---|---|---|---|---|---|---|
| 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

| | FXLQ20MA | FXLQ25MA | FXLQ32MA | FXLQ40MA | FXLQ50MA | FXLQ63MA |
|---|---|---|---|---|---|---|
| CENTRALISED REMOTE CONTROL | DCS302C51 | | | | | |
| UNIFIED ON/OFF CONTROL | DCS301C51 | | | | | |
| SCHEDULE TIMER | DST301C51 | | | | | |

## Others

| | FXLQ20MA | FXLQ25MA | FXLQ32MA | FXLQ40MA | FXLQ50MA | FXLQ63MA |
|---|---|---|---|---|---|---|
| WIRING ADAPTER | KRP1B61 | | | | | |
| WIRING ADAPTER FOR ELECTRICAL APPENDICES (1) | KRP2A51 | | | | | |
| 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

**FXLQ-MA**

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 |
| 20 | 2.2 | 10.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.8 | 2.6 | 1.8 | 2.9 | 1.8 |
| | | 12.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.8 | 2.6 | 1.8 | 2.9 | 1.7 |
| | | 14.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.8 | 2.6 | 1.8 | 2.8 | 1.7 |
| | | 16.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.8 | 2.6 | 1.8 | 2.8 | 1.7 |
| | | 18.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.8 | 2.6 | 1.8 | 2.7 | 1.7 |
| | | 20.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.8 | 2.6 | 1.8 | 2.7 | 1.6 |
| | | 21.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.8 | 2.6 | 1.8 | 2.7 | 1.6 |
| | | 23.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.8 | 2.6 | 1.8 | 2.6 | 1.6 |
| | | 25.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.8 | 2.6 | 1.7 | 2.6 | 1.6 |
| | | 27.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.8 | 2.5 | 1.7 | 2.6 | 1.6 |
| | | 29.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.8 | 2.5 | 1.7 | 2.5 | 1.6 |
| | | 31.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.8 | 2.4 | 1.7 | 2.5 | 1.6 |
| | | 33.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.8 | 2.4 | 1.7 | 2.5 | 1.6 |
| | | 35.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.7 | 2.4 | 1.6 | 2.4 | 1.5 |
| | | 37.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.3 | 1.7 | 2.3 | 1.6 | 2.4 | 1.6 |
| | | 39.0 | 1.5 | 1.3 | 1.8 | 1.5 | 2.1 | 1.7 | 2.2 | 1.7 | 2.2 | 1.7 | 2.3 | 1.6 | 2.3 | 1.5 |
| 25 | 2.8 | 10.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.4 | 2.1 | 3.7 | 2.1 |
| | | 12.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.4 | 2.1 | 3.6 | 2.1 |
| | | 14.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.4 | 2.1 | 3.6 | 2.1 |
| | | 16.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.4 | 2.1 | 3.5 | 2.1 |
| | | 18.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.4 | 2.1 | 3.5 | 2.0 |
| | | 20.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.4 | 2.1 | 3.4 | 2.0 |
| | | 21.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.4 | 2.1 | 3.4 | 2.0 |
| | | 23.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.3 | 2.1 | 3.4 | 2.0 |
| | | 25.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.3 | 2.1 | 3.3 | 2.0 |
| | | 27.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.2 | 2.1 | 3.3 | 1.9 |
| | | 29.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.2 | 2.0 | 3.2 | 1.9 |
| | | 31.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.1 | 2.0 | 3.2 | 1.9 |
| | | 33.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.1 | 2.0 | 3.1 | 1.9 |
| | | 35.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 3.0 | 2.1 | 3.0 | 2.0 | 3.1 | 1.9 |
| | | 37.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 2.9 | 2.0 | 3.0 | 2.0 | 3.0 | 1.9 |
| | | 39.0 | 1.9 | 1.6 | 2.3 | 1.8 | 2.6 | 2.0 | 2.8 | 2.1 | 2.9 | 2.0 | 2.9 | 2.0 | 3.0 | 1.9 |
| 32 | 3.6 | 10.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.6 | 4.3 | 2.6 | 4.7 | 2.6 |
| | | 12.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.6 | 4.3 | 2.6 | 4.7 | 2.6 |
| | | 14.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.6 | 4.3 | 2.6 | 4.6 | 2.6 |
| | | 16.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.6 | 4.3 | 2.6 | 4.6 | 2.5 |
| | | 18.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.6 | 4.3 | 2.6 | 4.5 | 2.5 |
| | | 20.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.6 | 4.3 | 2.6 | 4.4 | 2.5 |
| | | 21.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.6 | 4.3 | 2.6 | 4.4 | 2.5 |
| | | 23.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.6 | 4.2 | 2.6 | 4.3 | 2.4 |
| | | 25.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.6 | 4.2 | 2.6 | 4.3 | 2.4 |
| | | 27.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.6 | 4.1 | 2.5 | 4.2 | 2.4 |
| | | 29.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.6 | 4.1 | 2.5 | 4.2 | 2.4 |
| | | 31.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.6 | 4.0 | 2.5 | 4.1 | 2.4 |
| | | 33.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.6 | 3.9 | 2.4 | 4.0 | 2.3 |
| | | 35.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.8 | 2.5 | 3.9 | 2.4 | 4.0 | 2.3 |
| | | 37.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.5 | 3.7 | 2.5 | 3.8 | 2.4 | 3.9 | 2.3 |
| | | 39.0 | 2.4 | 2.1 | 2.9 | 2.2 | 3.4 | 2.5 | 3.6 | 2.6 | 3.7 | 2.5 | 3.8 | 2.4 | 3.8 | 2.3 |
| 40 | 4.5 | 10.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.8 | 3.2 | 5.4 | 3.3 | 5.9 | 3.3 |
| | | 12.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.8 | 3.2 | 5.4 | 3.3 | 5.8 | 3.3 |
| | | 14.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.8 | 3.2 | 5.4 | 3.3 | 5.8 | 3.2 |
| | | 16.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.8 | 3.2 | 5.4 | 3.3 | 5.7 | 3.2 |
| | | 18.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.8 | 3.2 | 5.4 | 3.3 | 5.6 | 3.1 |
| | | 20.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.8 | 3.2 | 5.4 | 3.3 | 5.5 | 3.1 |
| | | 21.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.8 | 3.2 | 5.4 | 3.3 | 5.5 | 3.1 |
| | | 23.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.8 | 3.2 | 5.3 | 3.2 | 5.4 | 3.0 |
| | | 25.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.8 | 3.2 | 5.2 | 3.2 | 5.3 | 3.0 |
| | | 27.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.8 | 3.2 | 5.2 | 3.1 | 5.3 | 3.0 |
| | | 29.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.8 | 3.2 | 5.1 | 3.1 | 5.2 | 3.0 |
| | | 31.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.8 | 3.2 | 5.0 | 3.1 | 5.1 | 2.9 |
| | | 33.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.8 | 3.2 | 4.9 | 3.0 | 5.0 | 2.9 |
| | | 35.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.7 | 3.2 | 4.9 | 3.1 | 5.0 | 2.9 |
| | | 37.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.1 | 4.7 | 3.2 | 4.8 | 3.0 | 4.9 | 2.8 |
| | | 39.0 | 3.0 | 2.5 | 3.6 | 2.7 | 4.2 | 3.1 | 4.5 | 3.2 | 4.6 | 3.1 | 4.7 | 3.0 | 4.8 | 2.8 |

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# 5 Capacity tables

## 5 - 1 Cooling capacity tables

**FXLQ-MA**

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 |
| 50 | 5.6 | 10.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 6.0 | 4.0 | 6.7 | 4.1 | 7.4 | 4.1 |
| | | 12.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 6.0 | 4.0 | 6.7 | 4.1 | 7.3 | 4.1 |
| | | 14.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 6.0 | 4.0 | 6.7 | 4.1 | 7.2 | 4.0 |
| | | 16.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 6.0 | 4.0 | 6.7 | 4.1 | 7.1 | 4.0 |
| | | 18.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 6.0 | 4.0 | 6.7 | 4.1 | 7.0 | 3.9 |
| | | 20.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 6.0 | 4.0 | 6.7 | 4.1 | 6.9 | 3.9 |
| | | 21.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 6.0 | 4.0 | 6.7 | 4.1 | 6.8 | 3.8 |
| | | 23.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 6.0 | 4.0 | 6.6 | 4.0 | 6.7 | 3.8 |
| | | 25.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 6.0 | 4.0 | 6.5 | 4.0 | 6.6 | 3.7 |
| | | 27.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 6.0 | 4.0 | 6.4 | 3.9 | 6.6 | 3.7 |
| | | 29.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 6.0 | 4.0 | 6.3 | 3.9 | 6.5 | 3.7 |
| | | 31.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 6.0 | 4.0 | 6.2 | 3.8 | 6.4 | 3.7 |
| | | 33.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 6.0 | 4.0 | 6.1 | 3.8 | 6.3 | 3.6 |
| | | 35.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 5.9 | 4.0 | 6.0 | 3.8 | 6.2 | 3.6 |
| | | 37.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 5.8 | 3.9 | 5.9 | 3.7 | 6.1 | 3.6 |
| | | 39.0 | 3.8 | 3.0 | 4.5 | 3.4 | 5.2 | 3.8 | 5.6 | 3.9 | 5.7 | 3.9 | 5.8 | 3.7 | 6.0 | 3.5 |
| 63 | 7.1 | 10.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.6 | 5.0 | 8.5 | 5.1 | 9.3 | 5.0 |
| | | 12.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.6 | 5.0 | 8.5 | 5.1 | 9.2 | 5.0 |
| | | 14.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.6 | 5.0 | 8.5 | 5.1 | 9.1 | 4.9 |
| | | 16.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.6 | 5.0 | 8.5 | 5.1 | 9.0 | 4.8 |
| | | 18.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.6 | 5.0 | 8.5 | 5.1 | 8.8 | 4.8 |
| | | 20.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.6 | 5.0 | 8.5 | 5.1 | 8.7 | 4.7 |
| | | 21.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.6 | 5.0 | 8.5 | 5.1 | 8.7 | 4.7 |
| | | 23.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.6 | 5.0 | 8.4 | 5.0 | 8.5 | 4.6 |
| | | 25.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.6 | 5.0 | 8.3 | 5.0 | 8.4 | 4.5 |
| | | 27.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.6 | 5.0 | 8.1 | 4.9 | 8.3 | 4.5 |
| | | 29.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.6 | 5.0 | 8.0 | 4.8 | 8.2 | 4.5 |
| | | 31.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.6 | 5.0 | 7.9 | 4.7 | 8.1 | 4.4 |
| | | 33.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.6 | 5.0 | 7.8 | 4.7 | 7.9 | 4.4 |
| | | 35.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.5 | 4.9 | 7.7 | 4.7 | 7.8 | 4.3 |
| | | 37.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.4 | 4.9 | 7.5 | 4.6 | 7.7 | 4.2 |
| | | 39.0 | 4.8 | 3.7 | 5.7 | 4.2 | 6.6 | 4.8 | 7.1 | 4.9 | 7.2 | 4.8 | 7.4 | 4.6 | 7.6 | 4.2 |

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# 5 Capacity tables

## 5 - 2 Heating capacity tables

**FXLQ-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 |
| 20 | 2.5 | -19.8 | -20.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | -18.8 | -19.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | -16.7 | -17.0 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| | | -14.7 | -15.0 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| | | -12.6 | -13.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| | | -10.5 | -11.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| | | -9.5 | -10.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| | | -8.5 | -9.1 | 2.0 | 2.0 | 1.9 | 1.9 | 1.9 | 1.9 |
| | | -7.0 | -7.6 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| | | -5.0 | -5.6 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| | | -3.0 | -3.7 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| | | 0.0 | -0.7 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 |
| | | 3.0 | 2.2 | 2.5 | 2.5 | 2.4 | 2.4 | 2.3 | 2.2 |
| | | 5.0 | 4.1 | 2.5 | 2.5 | 2.5 | 2.4 | 2.3 | 2.2 |
| | | 7.0 | 6.0 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.2 |
| | | 9.0 | 7.9 | 2.7 | 2.7 | 2.5 | 2.4 | 2.3 | 2.2 |
| | | 11.0 | 9.8 | 2.8 | 2.7 | 2.5 | 2.4 | 2.3 | 2.2 |
| | | 13.0 | 11.8 | 2.8 | 2.7 | 2.5 | 2.4 | 2.3 | 2.2 |
| | | 15.0 | 13.7 | 2.8 | 2.7 | 2.5 | 2.4 | 2.3 | 2.2 |
| 25 | 3.2 | -19.8 | -20.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| | | -18.8 | -19.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| | | -16.7 | -17.0 | 2.1 | 2.1 | 2.0 | 2.0 | 2.0 | 2.0 |
| | | -14.7 | -15.0 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 |
| | | -12.6 | -13.0 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| | | -10.5 | -11.0 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| | | -9.5 | -10.0 | 2.5 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| | | -8.5 | -9.1 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| | | -7.0 | -7.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| | | -5.0 | -5.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| | | -3.0 | -3.7 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| | | 0.0 | -0.7 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 2.8 |
| | | 3.0 | 2.2 | 3.1 | 3.1 | 3.1 | 3.1 | 3.0 | 2.8 |
| | | 5.0 | 4.1 | 3.3 | 3.2 | 3.2 | 3.1 | 3.0 | 2.8 |
| | | 7.0 | 6.0 | 3.4 | 3.4 | 3.2 | 3.1 | 3.0 | 2.8 |
| | | 9.0 | 7.9 | 3.5 | 3.4 | 3.2 | 3.1 | 3.0 | 2.8 |
| | | 11.0 | 9.8 | 3.6 | 3.4 | 3.2 | 3.1 | 3.0 | 2.8 |
| | | 13.0 | 11.8 | 3.6 | 3.4 | 3.2 | 3.1 | 3.0 | 2.8 |
| | | 15.0 | 13.7 | 3.6 | 3.4 | 3.2 | 3.1 | 3.0 | 2.8 |
| 32 | 4.0 | -19.8 | -20.0 | 2.4 | 2.4 | 2.3 | 2.3 | 2.3 | 2.3 |
| | | -18.8 | -19.0 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| | | -16.7 | -17.0 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.5 |
| | | -14.7 | -15.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| | | -12.6 | -13.0 | 2.9 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| | | -10.5 | -11.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| | | -9.5 | -10.0 | 3.1 | 3.1 | 3.1 | 3.1 | 3.0 | 3.0 |
| | | -8.5 | -9.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| | | -7.0 | -7.6 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| | | -5.0 | -5.6 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| | | -3.0 | -3.7 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| | | 0.0 | -0.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.5 |
| | | 3.0 | 2.2 | 3.9 | 3.9 | 3.9 | 3.9 | 3.7 | 3.5 |
| | | 5.0 | 4.1 | 4.1 | 4.1 | 4.0 | 3.9 | 3.7 | 3.5 |
| | | 7.0 | 6.0 | 4.2 | 4.2 | 4.0 | 3.9 | 3.7 | 3.5 |
| | | 9.0 | 7.9 | 4.3 | 4.3 | 4.0 | 3.9 | 3.7 | 3.5 |
| | | 11.0 | 9.8 | 4.5 | 4.3 | 4.0 | 3.9 | 3.7 | 3.5 |
| | | 13.0 | 11.8 | 4.5 | 4.3 | 4.0 | 3.9 | 3.7 | 3.5 |
| | | 15.0 | 13.7 | 4.5 | 4.3 | 4.0 | 3.9 | 3.7 | 3.5 |
| 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 |

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# 5 Capacity tables

## 5 - 2 Heating capacity tables

**FXLQ-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 |
| 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 |

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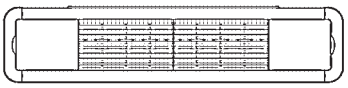
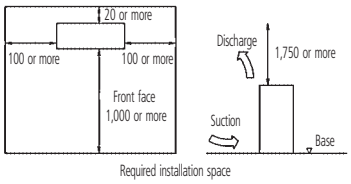
# 6 Dimensional drawing & centre of gravity

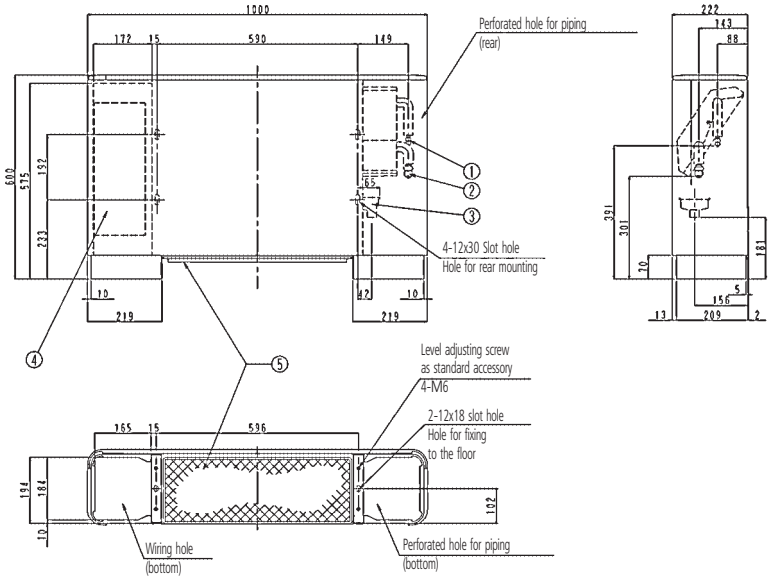
## 6 - 1 Dimensional drawing

**FXLQ20,25MA**






Required installation space



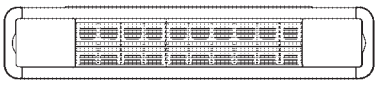

| Nr | Part name | Description |
|---|---|---|
| 1 | Liquid pipe connection port | ø6.4 flare connection |
| 2 | Gas pipe connection port | ø12.7 flare connection |
| 3 | Drain pipe connection port | O.D. 21 |
| 4 | Switch box | |
| 5 | Air filter | |

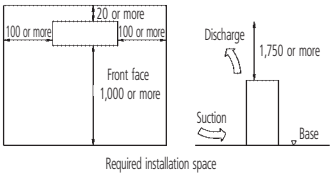
**NOTES**

1 Location of unit's name plate: outside surface of right side plate.

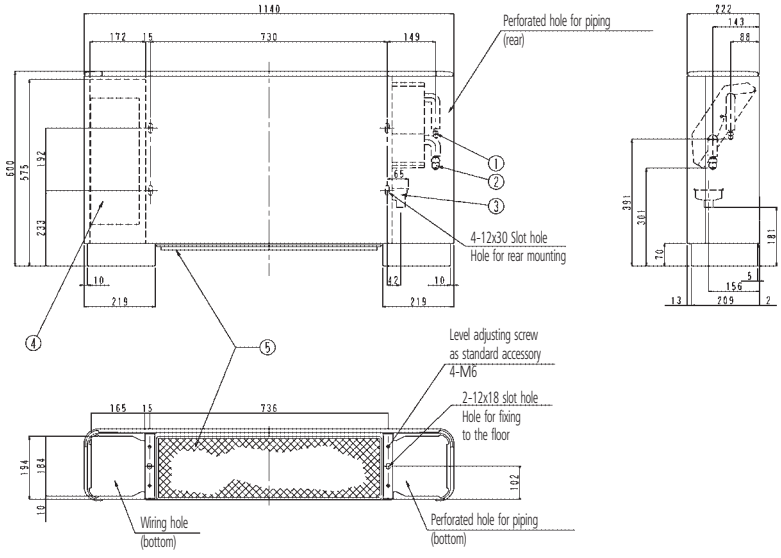
3D038860B

**FXLQ32,40MA**






Required installation space




| Nr | Part name | Description |
|---|---|---|
| 1 | Liquid pipe connection port | ø6.4 flare connection |
| 2 | Gas pipe connection port | ø12.7 flare connection |
| 3 | Drain pipe connection port | O.D. 21 |
| 4 | Switch box | |
| 5 | Air filter | |

**NOTES**

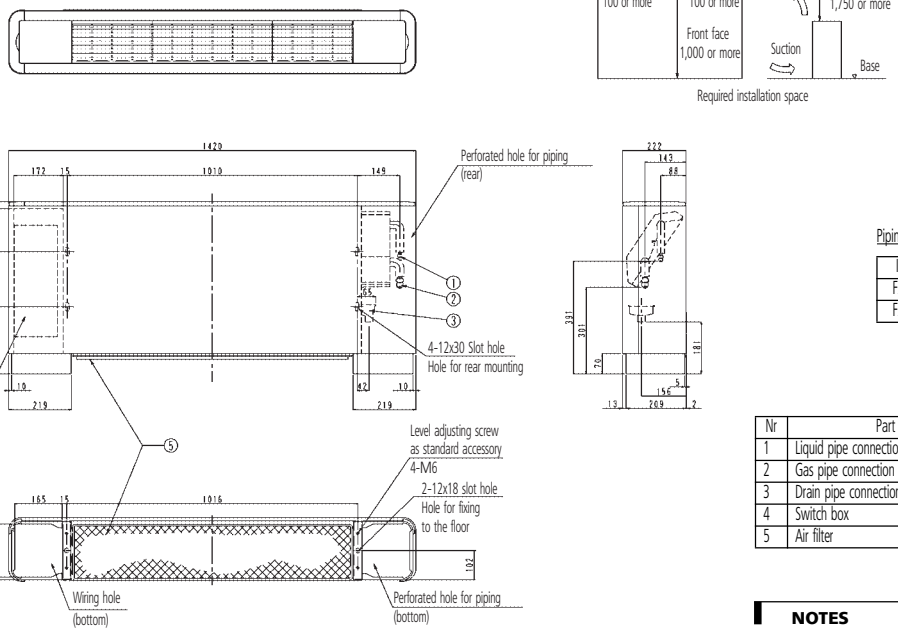
1 Location of unit's name plate: outside surface of right side plate.

3D038861B

# 6 Dimensional drawing & centre of gravity

## 6 - 1 Dimensional drawing

**FXLQ50,63MA**




Piping size (Field supply)

| Indoor unit | Gas side | Liquid side |
|---|---|---|
| FXLQ50MA | ø 12.7 | ø 6.4 |
| FXLQ63MA | ø 15.9 | ø 9.5 |

| Nr | Part name | Description |
|---|---|---|
| 1 | Liquid pipe connection port | flare connection |
| 2 | Gas pipe connection port | flare connection |
| 3 | Drain pipe connection port | O.D. 21 |
| 4 | Switch box | |
| 5 | Air filter | |

**NOTES**

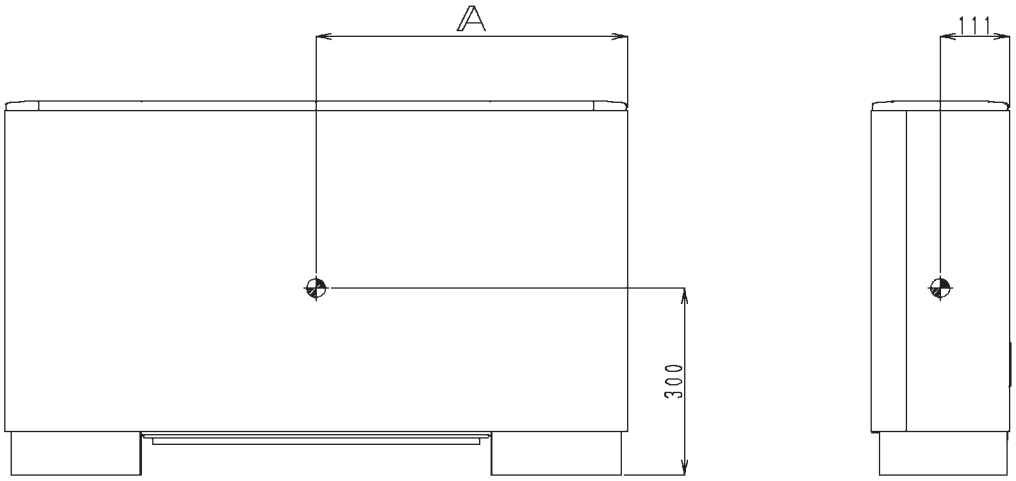
1 Location of unit's name plate: outside surface of right side plate.

3D038862B

# 6 Dimensional drawing & centre of gravity

## 6 - 2 Centre of gravity

**FXLQ-MA**

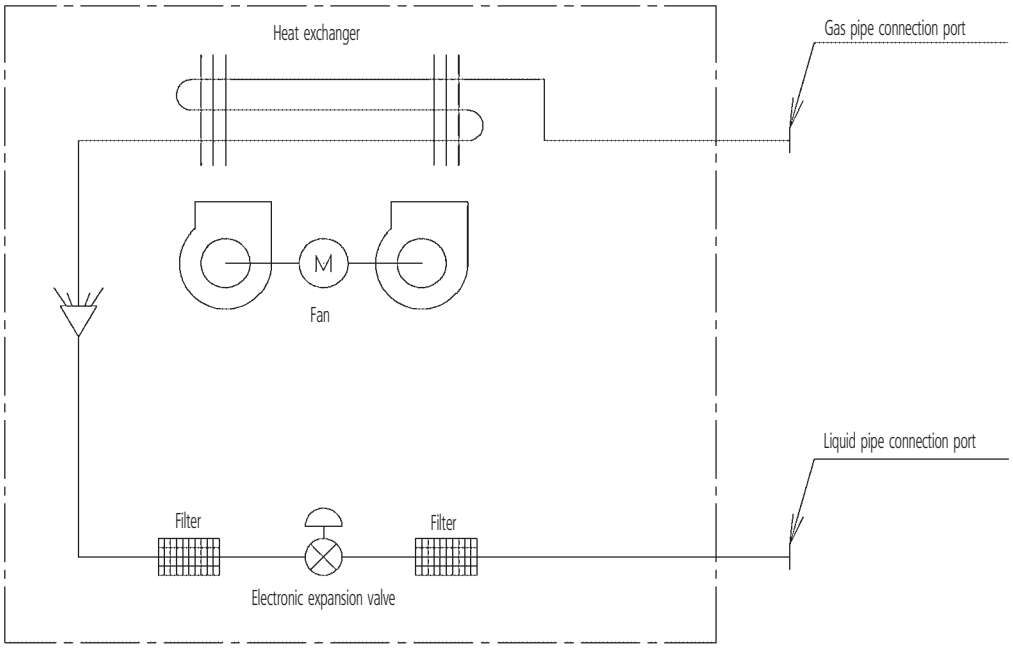



| Model | A |
|---|---|
| FXLQ20MA | 500 |
| FXLQ25MA | 500 |
| FXLQ32MA | 570 |
| FXLQ40MA | 570 |
| FXLQ50MA | 710 |
| FXLQ63MA | 710 |

4D034527C

# 7 Piping diagram

**FXLQ-MA**

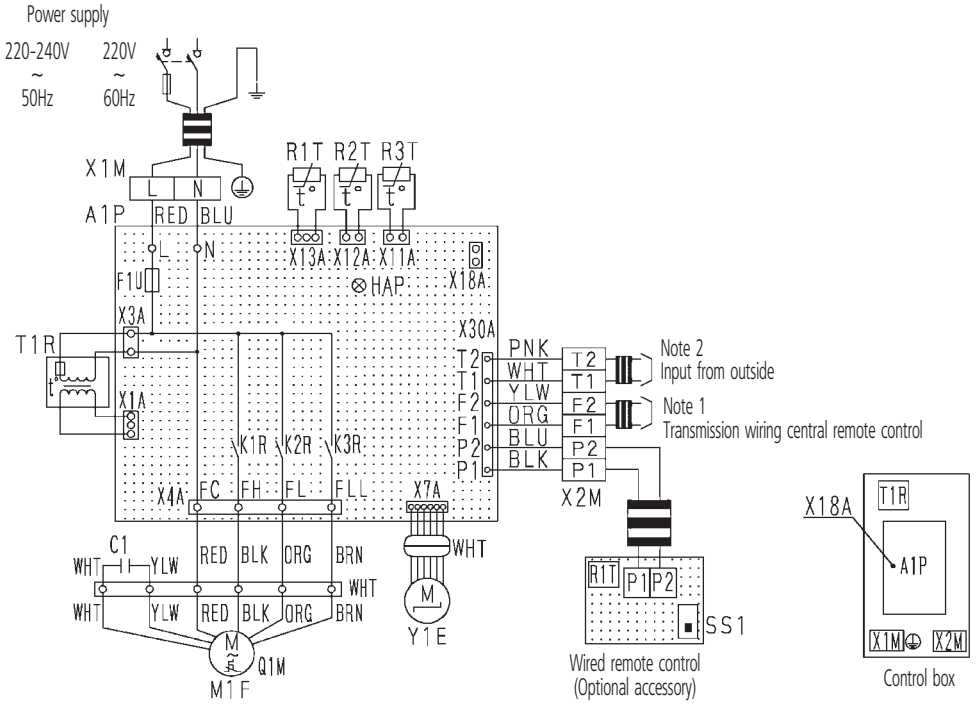



4D034245A

# 8 Wiring diagram

## 8 - 1 Wiring diagram

**FXLQ-MA**




| Indoor unit | | R2T • R3T | Thermistor (Coil) |
|---|---|---|---|
| A1P | Printed circuit board | T1R | Transformer (220-240V/22V) |
| C1 | Capacitor (M1F) | X1M | Terminal block (Power) |
| F1U | Fuse (Ⓑ, 5A, 250V) | X2M | Terminal block (Control) |
| HAP | Light emitting diode (Service monitor-green) | Y1E | Electronic expansion valve |
| | | Wired remote control | |
| K1R-K3R | Magnetic relay (M1F) | R1T | Thermistor (Air) |
| M1F | Motor (Indoor fan) | SS1 | Selector switch (Main/sub) |
| Q1M | Thermo switch (M1F embedded) | Connector for optional parts | |
| R1T | Thermistor (Air) | X18A | Connector (Wiring adapter for electorical appendices) |

: Terminal block
, D– : Connector
–o– : Terminal
: Field wiring

COLORS : BLK : Black PNK : Pink
BLU : Blue RED : Red
BRN : Brown WHT : White
ORG : Orange YLW : Yellow

**NOTES**

1 In case using central remote control, connect it to the unit in accordance with the attached instruction manual.

2 When connecting the input wires from the outside, forced off or on/off control operation can be selected by remote control. In details, refer to the installation manual attached to the unit.

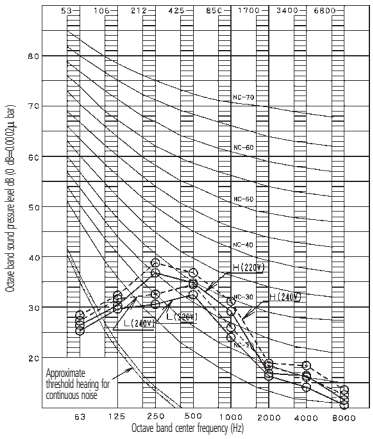
3 Use copper conductors only.

3D039826D

# 9 Sound data

## 9 - 1 Sound pressure spectrum

**FXLQ20,25MA** 4D034528A




**NOTES**

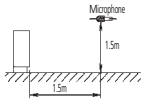
1 Over all (dB):
(B, G, N is already rectified)

| Scale | 230V | | 240V | |
|---|---|---|---|---|
| | H | L | H | L |
| A | 35 | 32 | 37 | 34 |
| C | 40 | 36.5 | 42 | 38.5 |

2 Measuring place: Anechoic chamber

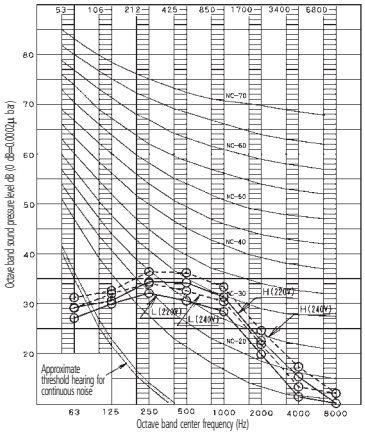
3 Operating conditons:
- Power source: 220•240V/220V 50/60Hz
- JIS standard


4 Location of microphone




5 Operating noise differs with operation and ambient conditions.

**FXLQ32MA** 4D034564A




**NOTES**

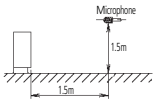
1 Over all (dB):
(B, G, N is already rectified)

| Scale | 230V | | 240V | |
|---|---|---|---|---|
| | H | L | H | L |
| A | 35 | 32 | 37 | 34 |
| C | 39 | 37 | 41 | 39 |

2 Measuring place: Anechoic chamber

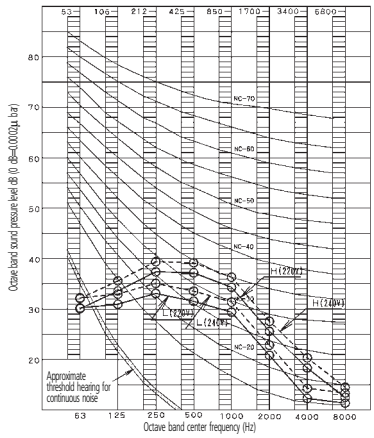
3 Operating conditons:
- Power source: 220•240V/220V 50/60Hz
- JIS standard


4 Location of microphone




5 Operating noise differs with operation and ambient conditions.

**FXLQ40MA** 4D034565A




**NOTES**

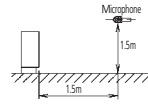
1 Over all (dB):
(B, G, N is already rectified)

| Scale | 230V | | 240V | |
|---|---|---|---|---|
| | H | L | H | L |
| A | 38 | 33 | 40 | 35 |
| C | 42 | 38 | 44 | 40 |

2 Measuring place: Anechoic chamber

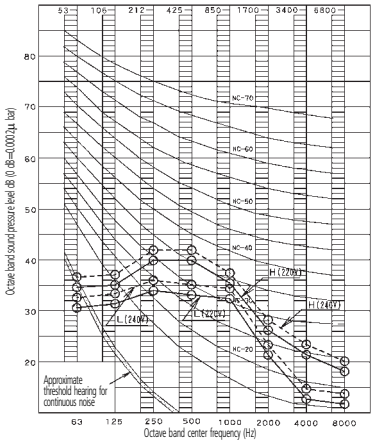
3 Operating conditons:
- Power source: 220•240V/220V 50/60Hz
- JIS standard


4 Location of microphone




5 Operating noise differs with operation and ambient conditions.

**FXLQ50MA** 4D034566A




**NOTES**

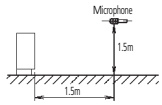
1 Over all (dB):
(B, G, N is already rectified)

| Scale | 230V | | 240V | |
|---|---|---|---|---|
| | H | L | H | L |
| A | 39 | 34 | 41 | 36 |
| C | 44 | 38.5 | 46 | 40.5 |

2 Measuring place: Anechoic chamber

3 Operating conditons:
- Power source: 220•240V/220V 50/60Hz
- JIS standard


4 Location of microphone

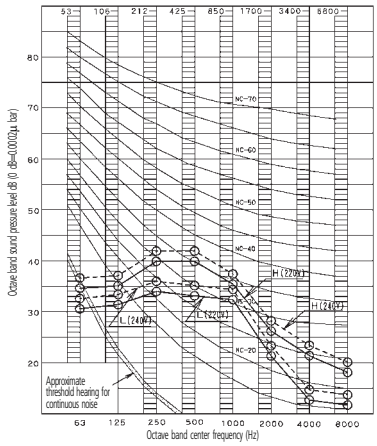



5 Operating noise differs with operation and ambient conditions.

# 9 Sound data

## 9 - 1 Sound pressure spectrum

**FXLQ63MA** 4D034567A



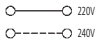

**NOTES**

1 Over all (dB):
(B, G, N is already rectified)

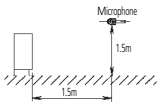
| Scale | 230V | | 240V | |
|---|---|---|---|---|
| | H | L | H | L |
| A | 40 | 35 | 42 | 37 |
| C | 45 | 39.5 | 47 | 41.5 |

2 Measuring place: Anechoic chamber

3 Operating conditons:
- Power source: 220•240V/220V 50/60Hz
- JIS standard




4 Location of microphone




5 Operating noise differs with operation and ambient conditions.

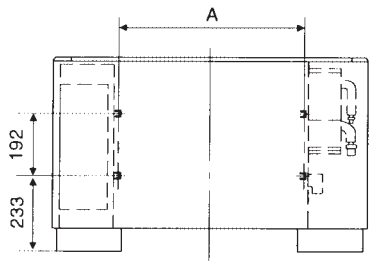
# 10 Installation

## 10 - 1 Suspension bolt pitch position

**FXLQ-MA**

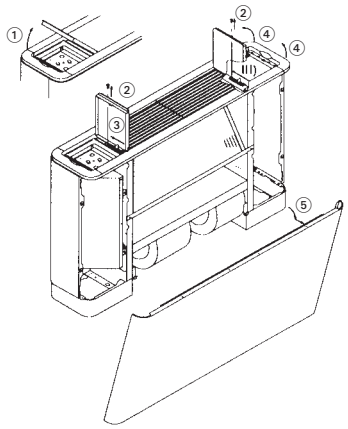


- Positioning of holes for fastening to the wall




| Model | A |
|---|---|
| FXLQ20,25MA | 590 |
| FXLQ32,40MA | 730 |
| FXLQ50,63MA | 1,010 |

- How to open/close the front panel




1 Open the lid of control panel (both left and right).
2 Remove screws (both left and right).
3 Push the knobs (both left and right) to the rear.
4 Lift the front of the top plate.
5 Lower the front panel towards the front of the unit.
6 To close, perform the procedure in opposite order. Pull towards the front until the knob snaps in place.

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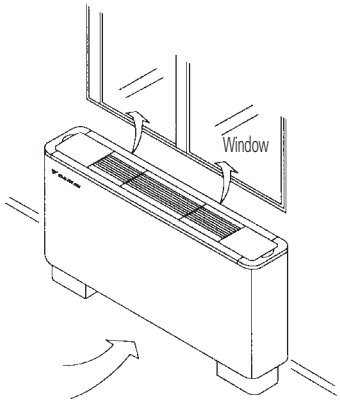
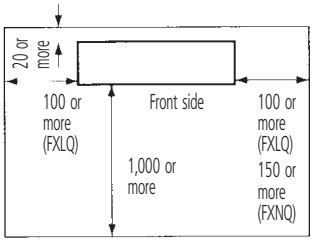
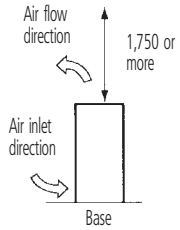
# 10 Installation

## 10 - 2 Service space

**FXLQ-MA**




| Model | A | B |
|---|---|---|
| FXLQ20,25MA | 570 | 1,030 |
| FXLQ32,40MA | 710 | 1,170 |
| FXLQ50,63MA | 990 | 1,450 |

**NOTE**

1 Leave sufficient clearance for air inlet and maintenance.

3P086154-1-4

In all of us, a green heart

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.

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