# Multi model application Air Conditioning Technical Data

# 2MXM-A9


2MXM40A2V1B9
2MXM50A2V1B9
2MXM68A2V1B9

EEDEN23

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# 2MXM-A9

# 1 Features

## 1 - 1 2MXM-A9



› New design outlook for outdoor unit
› Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
› Up to 2 indoor units can be connected to 1 multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
› Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
› Different types of indoor units can be connected: e.g. wall mounted, ceiling mounted cassette corner, concealed ceiling unit
› Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



Inverter

# 2 Specifications

## 2 - 1 Specifications

| Technical specifications | | | | | 2MXM40A9 | 2MXM50A9 | 2MXM68A9 |
|---|---|---|---|---|---|---|---|
| Casing | Colour | | | | Ivory white | | |
| Dimensions | Unit | Height | | mm | 552 | | 734 |
| | | Width | | mm | 852 | | 974 |
| | | Depth | | mm | 350 | | 408 |
| | Packed unit | Height | | mm | 612 | | 820 |
| | | Width | | mm | 906 | | 1,050 |
| | | Depth | | mm | 402 | | 480 |
| Weight | Unit | | | kg | 36 | 41 | 60 |
| | Packed unit | | | kg | 39 | 44 | 66 |
| Heat exchanger | Length | | | mm | 805 | 810 | 920 |
| | Rows | Quantity | | | 2 | | |
| | Fin pitch | | | mm | 1.50 | | 1.40 |
| | Stages | Quantity | | | 24 | | 32 |
| | Passes | Quantity | | | 3.00 | | 6.00 |
| | Tube type | | | | 7.0 Hi-XD | 8.1 Hi-XA | Hi-XA |
| | Tube diameter | | | mm | 7.0 | 8.1 | 8.0 |
| | Fin | Type | | | WH fin | | WHS8 FIN-HYDROPHILIC |
| | | Treatment | | | Anti-corrosion treatment | | |
| Fan | Type | | | | Propeller fan | | |
| | Discharge direction | | | | Horizontal | | |
| | Quantity | | | | 1 | | |
| | Air flow rate | Cooling | High | $m^3/min$ | 36.0 | 37.0 | 46.5 |
| | | | | cfm | 1,271 | 1,306 | 1,642 |
| | | | Medium | $m^3/min$ | 33.0 | 34.0 | 42.5 |
| | | | | cfm | 1,165 | 1,200 | 1,501 |
| | | | Low | $m^3/min$ | 20.0 | | 24.1 |
| | | | | cfm | 706 | | 851 |
| | | Heating | High | $m^3/min$ | 32.0 | 34.0 | 43.8 |
| | | | | cfm | 1,130 | 1,200 | 1,547 |
| | | | Medium | $m^3/min$ | 32.0 | 34.0 | 43.8 |
| | | | | cfm | 1,130 | 1,200 | 1,547 |
| | | | Low | $m^3/min$ | 18.0 | 22.0 | 16.1 |
| | | | | cfm | 636 | 777 | 569 |
| Fan motor | Quantity | | | | 1 | | |
| | Model | | | | LFD-280-23-8F | | D55F-31 |
| | Output | | | W | 50 | | 55 |
| Fan motor | Speed | Cooling | High | rpm | 900 | 950 | 760 |
| | | | Medium | rpm | 840 | 890 | 700 |
| | | | Low | rpm | 500 | | 420 |
| | | Heating | High | rpm | 820 | 890 | 720 |
| | | | Low | rpm | 320 | 500 | 300 |
| | | | Medium | rpm | 820 | 890 | 720 |
| Compressor | Quantity | | | | 1 | | |
| | Model | | | | 1YC25GXD#C | 2YC40JXD#C | 2YC71DXD#C |
| | Oil Amount | | | $cm^3$ | 375 | 650 | 900 |
| | Type | | | | Hermetically sealed swing compressor | | |
| | Output | | | W | 800 | 1,300 | 2,400 |
| | Oil Type | | | | FW68DA | | |
| Operation range | Cooling | Ambient | Min. | °CDB | -10 | | |
| | | | Max. | °CDB | 46 | | |
| | Heating | Ambient | Min. | °CDB | -15 | | |
| | | | Max. | °CDB | 24 | | |
| Sound power level | Cooling | Max | | dBA | 62 | | 63 |
| | | Night quiet mode | | dBA | 57 | 58 | 59 |
| | | Tonal adjustment | | dBA | 0 | | |
| | Heating | Max | | dBA | 62 | | 63 |
| | | Nom. | | dBA | 62 | | 61 |
| | | Night quiet mode | | dBA | 57 | 58 | 59 |
| | | Tonal adjustment | | dBA | 0 | | |
| Sound power level - Low sound mode (Stb. 2020, 189) | Cooling | Max. | | dBA | 60 | | 61 |
| | | Night quiet mode | | dBA | 55 | | 58 |
| | | Tonal adjustment | | dBA | 0 | | |
| | Heating | Max. | | dBA | 60 | | 61 |
| | | Night quiet mode | | dBA | 55 | | 58 |
| | | Tonal adjustment | | dBA | 0 | | |
| Sound pressure level | Cooling | Nom. | | dBA | 46 | 48 | |
| | Heating | Nom. | | dBA | 48 | 50 | 48 |
| Refrigerant | Type | | | | R-32 | | |
| | Charge | | | kg | 0.88 | 1.15 | 2.00 |
| | Control | | | | Expansion valve | | |
| | GWP | | | | 675 | | |

# 2 Specifications

## 2 - 1 Specifications



| Technical specifications | | | | | 2MXM40A9 | 2MXM50A9 | 2MXM68A9 |
|---|---|---|---|---|---|---|---|
| Piping connections | Liquid | Quantity | | | 2 | | |
| | | OD | | mm | 6.35 | | |
| Piping connections | Gas | Quantity | | | 2 | 1 | |
| | | OD | | mm | 9.5 | | |
| | Drain | Quantity | | | 1 | | |
| | | OD | | mm | 16 (inner diameter of connecting hose) | | |
| | Gas 2 | Quantity | | | - | 1 | |
| | | OD | | mm | - | 12.7 | |
| | Piping length | OU - IU | Min. | m | 3 (1) | | |
| | | | Max. | m | 20 (1) | | 25 (1) |
| | | System | Chargeless | m | 20 | | 30 |
| | Additional refrigerant charge | | | kg/m | 0.02 (for piping length exceeding 20m) | | 0.02 (for piping length exceeding 30m) |
| | Level difference | IU - OU | Max. | m | 15 | | |
| | | IU - IU | | m | 7.5 | | |
| | Heat insulation | | | | Both liquid and gas pipes | | |
| | Total piping length | System | Actual | m | 30 | | 50 |
| Capacity control | Method | | | | Variable (inverter) | | |

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Screw bag;Quantity: 1;

Standard accessories: Drain plug;Quantity: 1;

Standard accessories: Reducer assembly;Quantity: 1;

Standard accessories: Drain cap (1);Quantity: 6;

Standard accessories: Drain cap (2);Quantity: 3;

| Electrical specifications | | | | 2MXM40A9 | 2MXM50A9 | 2MXM68A9 |
|---|---|---|---|---|---|---|
| Power supply | Phase | | | 1~ | | |
| | Frequency | | Hz | 50 | | |
| | Voltage | | V | 220-240 | | |
| Wiring connections | For power supply | Quantity | | 3 | | |
| | | Remark | | Earth wire included | | |
| | For connection with indoor | Quantity | | 4 | | |
| | | Remark | | Earth wire included | | |
| Current - 50Hz | Maximum fuse amps (MFA) | | A | 16 | | 20 |

(1)For one room |
For combination with CVXM-A, FVXM-A - maximum piping length is 30m. |
See separate drawing for operation range |
See separate drawing for electrical data |
Contains fluorinated greenhouse gases

# 3 Electrical data

## 3 - 1 Electrical Data

### 2MXM40-50A9

| Outdoor unit | Power supply | | | ·RA· indoor units (·10·% safety factor) See note ·5·. | | Other indoor units (·10·% safety factor) | | Compressor | | Outdoor fan motor | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model name | Hz | Voltage | Voltage range | MCA | MFA | MCA | MFA | RHz | RLA | kW | FLA |
| 2MXM40M3V1B<br>2MXM40M4V1B<br>2MXM40N2V1B<br>2MXM40A2V1B<br>2MXM40A2V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 9,80 | 16 | 9,80 | 16 | - | 5,1 | 0,040 | 0,17 |
| | 50 | 230 | | | | | | | 5,3 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 5,6 | | |
| 2MXM50M2V1B9<br>2MXM50M3V1B9<br>2MXM50N2V1B<br>2MXM50A2V1B<br>2MXM50A2V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 12,94 | 16 | 13,27 | 16 | - | 5,9 | 0,042 | 0,18 |
| | 50 | 230 | | | | | | | 6,2 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 6,5 | | |
| 2AMXM40M3V1B<br>2AMXM40M4V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 9,80 | 16 | 9,80 | 16 | - | 5,1 | 0,040 | 0,17 |
| | 50 | 230 | | | | | | | 5,3 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 5,6 | | |
| 2AMXM50M3V1B<br>2AMXM50M4V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 12,94 | 16 | 13,27 | 16 | - | 5,9 | 0,042 | 0,18 |
| | 50 | 230 | | | | | | | 6,2 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 6,5 | | |
| 2AMXF40A2V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 9,80 | 16 | 9,80 | 16 | - | 5,1 | 0,040 | 0,17 |
| | 50 | 230 | | | | | | | 5,3 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 5,6 | | |
| 2AMXF50A2V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 12,83 | 16 | 12,83 | 16 | - | 5,9 | 0,042 | 0,18 |
| | 50 | 230 | | | | | | | 6,2 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 6,5 | | |
| 2MXF40A2V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 9,80 | 16 | 9,80 | 16 | - | 5,1 | 0,040 | 0,17 |
| | 50 | 230 | | | | | | | 5,3 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 5,6 | | |
| 2MXF50A2V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 12,83 | 16 | 12,83 | 16 | - | 5,9 | 0,042 | 0,18 |
| | 50 | 230 | | | | | | | 6,2 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 6,5 | | |

Notes

1) The ·RLA· is based on the following conditions.
   Outdoor temperature ·35·°C DB
   Indoor temperature ·27·°C DB / ·19·°C WB
2) Select the wire size according to the MCA.
3) The maximum allowable voltage that is unbalanced between phases is ·2·%.
4) Use a circuit breaker instead of a fuse.
5) Only for wall-mounted ·FVXM· units

Symbols

MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
RLA: Rated load amps [A]
OFM: Outdoor fan motor
MSC: Maximum starting current
FLA: Full Load Ampere [A]
kW: Fan motor rated output [kW]

**3D110207G**

# 3 Electrical data

## 3 - 1 Electrical Data



**2MXM68A9**
**3MXM-A9**
**4MXM-A9**
**5MXM-A9**

| Outdoor unit | Power supply | | | ·RA· indoor units (·10·% safety factor) See note ·5·. | | Other indoor units (·10·% safety factor) | | Compressor | | Outdoor fan motor | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model name | Hz | Voltage | Voltage range | MCA | MFA | MCA | MFA | RHz | RLA | kW | FLA |
| 2MXM68N2V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 16,94 | 20 | 19,80 | 20 | - | 7,8 | 0,056 | 0,37 |
| 2MXM68A2V1B | 50 | 230 | | | | | | | 7,5 | | |
| 2MXM68A2V1B9 | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 8,7 | | |
| 3MXM40N2V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 14,31 | 16 | 15,97 | 16 | - | 2,9 | 0,056 | 0,37 |
| | 50 | 230 | | | | | | | 3,0 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 3,1 | | |
| 3MXM52N2V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 14,59 | 20 | 16,27 | 20 | - | 4,5 | 0,056 | 0,37 |
| | 50 | 230 | | | | | | | 4,7 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 4,9 | | |
| 3MXM68N2V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 17,19 | 20 | 19,81 | 20 | - | 8,0 | 0,056 | 0,37 |
| 3MXM68A2V1B | 50 | 230 | | | | | | | 8,4 | | |
| 3MXM68A2V1B9 | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 8,7 | | |
| 4MXM68N2V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 17,36 | 20 | 19,81 | 20 | - | 7,0 | 0,056 | 0,37 |
| 4MXM68A2V1B | 50 | 230 | | | | | | | 7,3 | | |
| 4MXM68A2V1B9 | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 7,6 | | |
| 4MXM80N2V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 17,04 | 25 | 20,36 | 25 | - | 8,5 | 0,075 | 0,50 |
| 4MXM80A2V1B | 50 | 230 | | | | | | | 8,9 | | |
| 4MXM80A2V1B9 | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 9,3 | | |
| 5MXM90N2V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 21,70 | 32 | 25,88 | 32 | - | 9,2 | 0,075 | 0,50 |
| 5MXM90A2V1B | 50 | 230 | | | | | | | 9,6 | | |
| 5MXM90A2V1B9 | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 10,0 | | |
| 3AMXM52N2V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 18,19 | 20 | 16,27 | 20 | - | 4,5 | 0,056 | 0,37 |
| | 50 | 230 | | | | | | | 4,7 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 4,9 | | |
| 3MXF52A2V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 14,59 | 20 | 16,27 | 20 | - | 4,5 | 0,056 | 0,37 |
| | 50 | 230 | | | | | | | 4,7 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 4,9 | | |
| 3AMXF52A2V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 14,59 | 20 | 16,27 | 20 | - | 4,5 | 0,056 | 0,37 |
| | 50 | 230 | | | | | | | 4,7 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 4,9 | | |
| 3MXF68A2V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 17,19 | 20 | 19,81 | 20 | - | 8,0 | 0,056 | 0,37 |
| | 50 | 230 | | | | | | | 8,4 | | |
| | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 8,7 | | |
| 3MXM40N2V1B8 | 50 | 220 | Maximum ·50·Hz ·264·V | 14,31 | 16 | 15,97 | 16 | - | 2,9 | 0,056 | 0,37 |
| 3MXM40A2V1B | 50 | 230 | | | | | | | 3,0 | | |
| 3MXM40A2V1B9 | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 3,1 | | |
| 3MXM52N2V1B8 | 50 | 220 | Maximum ·50·Hz ·264·V | 14,59 | 20 | 16,27 | 20 | - | 4,5 | 0,056 | 0,37 |
| 3MXM52A2V1B | 50 | 230 | | | | | | | 4,7 | | |
| 3MXM52A2V1B9 | 50 | 240 | Minimum ·50·Hz ·198·V | | | | | | 4,9 | | |

Notes
1) The ·RLA· is based on the following conditions.
   Outdoor temperature ·35·°C DB
   Indoor temperature ·27·°C DB / ·19·°C WB
2) Select the wire size according to the MCA.
3) The maximum allowable voltage that is unbalanced between phases is ·2·%.
4) Use a circuit breaker instead of a fuse.
5) Only for wall-mounted ·FVXM· units

Symbols
MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
RLA: Rated load amps [A]
OFM: Outdoor fan motor
MSC: Maximum starting current
FLA: Full Load Ampere [A]
kW: Fan motor rated output [kW]

**3D129421D**

# 4 Combination table

## 4 - 1 Combination Table

### 2MXM40A9

**Cooling ·230V 50Hz·**

| Outdoor unit | Indoor unit | Cooling capacity [kW] | | Total capacity [kW] | | | Power input [kW] | | | Total current [A] | | | Power factor [%] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Room ·A· | Room ·B· | Minimum | Nominal | Maximum | Minimum | Nominal | Maximum | Minimum | Nominal | Maximum | |
| | 1.5 | 1,50 | - | 1,30 | 1,50 | 2,00 | 0,33 | 0,31 | 0,40 | 1,78 | 1,70 | 2,17 | 79 |
| | 2.0 | 2,00 | - | 1,30 | 2,00 | 2,40 | 0,33 | 0,44 | 0,57 | 1,78 | 2,38 | 3,09 | 79 |
| | 2.5 | 2,50 | - | 1,30 | 2,50 | 3,00 | 0,33 | 0,61 | 0,80 | 1,78 | 3,33 | 4,40 | 79 |
| 2MXM40M2V1B | 3.5 | 3,50 | - | 1,30 | 3,50 | 4,00 | 0,33 | 1,04 | 1,35 | 1,78 | 5,71 | 7,38 | 79 |
| 2MXM40M3V1B | 1.5+1.5 | 1,50 | 1,50 | 1,50 | 3,00 | 3,60 | 0,31 | 0,60 | 0,73 | 1,67 | 3,33 | 4,00 | 79 |
| 2MXM40M4V1B | 1.5+2.0 | 1,50 | 2,00 | 1,50 | 3,50 | 4,00 | 0,31 | 0,79 | 0,91 | 1,67 | 4,35 | 4,98 | 79 |
| 2MXM40N2V1B | 1.5+2.5 | 1,50 | 2,50 | 1,50 | 4,00 | 4,20 | 0,31 | 0,98 | 1,03 | 1,67 | 5,37 | 5,64 | 79 |
| 2MXM40N2V1B9 | 1.5+3.5 | 1,20 | 2,80 | 1,50 | 4,00 | 4,40 | 0,31 | 0,96 | 1,06 | 1,67 | 5,30 | 5,83 | 79 |
| 2MXM40A2V1B | 2.0+2.0 | 2,00 | 2,00 | 1,50 | 4,00 | 4,20 | 0,31 | 0,97 | 1,02 | 1,67 | 5,34 | 5,61 | 79 |
| 2MXM40A2V1B9 | 2.0+2.5 | 1,78 | 2,22 | 1,50 | 4,00 | 4,30 | 0,31 | 0,96 | 1,04 | 1,67 | 5,30 | 5,70 | 79 |
| | 2.0+3.5 | 1,45 | 2,55 | 1,50 | 4,00 | 4,50 | 0,31 | 0,95 | 1,08 | 1,67 | 5,25 | 5,91 | 79 |
| | 2.5+2.5 | 2,00 | 2,00 | 1,50 | 4,00 | 4,40 | 0,31 | 0,96 | 1,06 | 1,67 | 5,27 | 5,80 | 79 |
| | 2.5+3.5 | 1,67 | 2,33 | 1,50 | 4,00 | 4,60 | 0,31 | 0,94 | 1,09 | 1,67 | 5,20 | 5,98 | 79 |

Notes

1) The total capacity of each connected indoor unit is up to ·6·kW.
2) The values mentioned in this document are for connecting with the following indoor unit types:
   ·1.5, 2.0, 2.5, 3.5· kW class
   Wall-mounted ·CTXA-AS, CTXA-AT, CTXA-AW, CTXA-BB, CTXA-BS, CTXA-BT, CTXM-M, CTXM-N, CTXM-R, FTXA-AS, FTXA-AT, FTXA-AW, FTXA-BB, FTXA-BS, FTXA-BT, FTXM-M, FTXM-N, FTXM-R, FTXJ-AB, FTXJ-AS, FTXJ-AW· series
3) Cooling capacity conditions
   Indoor temperature ·27·°C DB / ·19·°C WB
   Outdoor temperature ·35·°C DB
4) For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see ·3D106169·.

**4D139784B**

### 2MXM40A9

**Heating ·230V 50Hz·**

| Outdoor unit | Indoor unit | Heating capacity [kW] | | Total capacity [kW] | | | Power input [kW] | | | Total current [A] | | | Power factor [%] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Room ·A· | Room ·B· | Minimum | Nominal | Maximum | Minimum | Nominal | Maximum | Minimum | Nominal | Maximum | |
| | 1,5 | 2,00 | - | 1,00 | 2,00 | 3,30 | 0,26 | 0,68 | 1,04 | 1,43 | 3,66 | 5,69 | 79 |
| | 2,0 | 2,70 | - | 1,00 | 2,70 | 3,70 | 0,26 | 0,75 | 1,24 | 1,43 | 4,11 | 6,78 | 79 |
| | 2,5 | 3,40 | - | 1,00 | 3,40 | 4,10 | 0,26 | 1,02 | 1,48 | 1,43 | 5,59 | 8,09 | 79 |
| 2MXM40M2V1B | 3,5 | 3,80 | - | 1,00 | 3,80 | 4,40 | 0,26 | 1,28 | 1,71 | 1,43 | 7,02 | 9,40 | 79 |
| 2MXM40M3V1B | 1.5+1.5 | 1,75 | 1,75 | 1,20 | 3,50 | 4,30 | 0,24 | 0,80 | 0,99 | 1,31 | 4,43 | 5,45 | 79 |
| 2MXM40M4V1B | 1.5+2.0 | 1,63 | 2,17 | 1,20 | 3,80 | 4,50 | 0,24 | 0,88 | 1,04 | 1,31 | 4,85 | 5,75 | 79 |
| 2MXM40N2V1B | 1.5+2.5 | 1,58 | 2,63 | 1,20 | 4,20 | 4,60 | 0,24 | 1,00 | 1,10 | 1,31 | 5,53 | 6,06 | 79 |
| 2MXM40N2V1B9 | 1.5+3.5 | 1,26 | 2,94 | 1,20 | 4,20 | 4,70 | 0,24 | 0,96 | 1,12 | 1,31 | 5,29 | 5,92 | 79 |
| 2MXM40A2V1B | 2.0+2.0 | 2,10 | 2,10 | 1,20 | 4,20 | 4,60 | 0,22 | 0,98 | 1,08 | 1,21 | 5,41 | 5,93 | 79 |
| 2MXM40A2V1B9 | 2.0+2.5 | 1,87 | 2,33 | 1,20 | 4,20 | 4,70 | 0,22 | 0,97 | 1,09 | 1,21 | 5,36 | 6,00 | 79 |
| | 2.0+3.5 | 1,53 | 2,67 | 1,20 | 4,20 | 4,80 | 0,22 | 0,95 | 1,09 | 1,21 | 5,25 | 6,00 | 79 |
| | 2.5+2.5 | 2,10 | 2,10 | 1,20 | 4,20 | 4,70 | 0,22 | 0,96 | 1,08 | 1,21 | 5,29 | 5,92 | 79 |
| | 2.5+3.5 | 1,75 | 2,45 | 1,20 | 4,20 | 4,80 | 0,22 | 0,94 | 1,08 | 1,21 | 5,19 | 5,94 | 79 |

Notes

1) The total capacity of each connected indoor unit is up to ·6·kW.
2) The values mentioned in this document are for connecting with the following indoor unit types:
   ·1.5, 2.0, 2.5, 3.5· kW class
   Wall-mounted ·CTXA-AS, CTXA-AT, CTXA-AW, CTXA-BB, CTXA-BS, CTXA-BT, CTXM-M, CTXM-N, CTXM-R, FTXA-AS, FTXA-AT, FTXA-AW, FTXA-BB, FTXA-BS, FTXA-BT, FTXM-M, FTXM-N, FTXM-R, FTXJ-AB, FTXJ-AS, FTXJ-AW· series
3) Heating capacity conditions
   Indoor temperature ·20·°C DB
   Outdoor temperature ·7·°C DB / ·6·°C WB
4) For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see ·3D106169·.

**4D139786B**

# 4 Combination table

## 4 - 1 Combination Table



### 2MXM50A9

**Cooling ·230V 50Hz·**

| Outdoor unit | Indoor unit | Cooling capacity [kW] | | Total capacity [kW] | | | Power input [kW] | | | Total current [A] | | | Power factor [%] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Room ·A· | Room ·B· | Minimum | Nominal | Maximum | Minimum | Nominal | Maximum | Minimum | Nominal | Maximum | |
| | 1.5 | 1,50 | - | 1,40 | 1,50 | 2,20 | 0,31 | 0,32 | 0,52 | 1,53 | 1,55 | 2,53 | 89 |
| | 2.0 | 2,00 | - | 1,40 | 2,00 | 2,90 | 0,31 | 0,47 | 0,77 | 1,53 | 2,25 | 3,76 | 89 |
| | 2.5 | 2,50 | - | 1,40 | 2,50 | 3,10 | 0,31 | 0,67 | 0,92 | 1,53 | 3,27 | 4,50 | 89 |
| | 3.5 | 3,50 | - | 1,40 | 3,50 | 4,10 | 0,31 | 1,09 | 1,46 | 1,53 | 5,32 | 7,13 | 89 |
| | 4.2 | 4,20 | - | 1,40 | 4,20 | 4,70 | 0,31 | 1,59 | 1,75 | 1,53 | 7,73 | 8,57 | 89 |
| | 5.0 | 5,00 | - | 1,60 | 5,00 | 5,30 | 0,33 | 1,30 | 1,44 | 1,64 | 6,33 | 7,01 | 89 |
| | 1.5+1.5 | 1,50 | 1,50 | 1,60 | 3,00 | 4,20 | 0,33 | 0,62 | 0,87 | 1,64 | 3,03 | 4,25 | 89 |
| | 1.5+2.0 | 1,50 | 2,00 | 1,60 | 3,50 | 4,20 | 0,33 | 0,76 | 0,91 | 1,64 | 3,71 | 4,46 | 89 |
| | 1.5+2.5 | 1,50 | 2,50 | 1,60 | 4,00 | 4,20 | 0,33 | 0,94 | 0,99 | 1,64 | 4,60 | 4,83 | 89 |
| 2MXM50M2V1B | 1.5+3.5 | 1,50 | 3,50 | 1,60 | 5,00 | 5,00 | 0,33 | 1,25 | 1,25 | 1,64 | 6,10 | 6,10 | 89 |
| 2MXM50M2V1B9 | 1.5+4.2 | 1,32 | 3,68 | 1,60 | 5,00 | 5,40 | 0,33 | 1,23 | 1,54 | 1,64 | 6,04 | 6,53 | 89 |
| 2MXM50M3V1B9 | 1.5+5.0 | 1,15 | 3,85 | 1,80 | 5,00 | 5,50 | 0,33 | 1,23 | 1,68 | 1,64 | 5,99 | 6,59 | 89 |
| 2MXM50N2V1B | 2.0+2.0 | 2,00 | 2,00 | 1,80 | 4,00 | 5,00 | 0,33 | 0,94 | 1,28 | 1,64 | 4,60 | 5,75 | 89 |
| 2MXM50N2V1B9 | 2.0+2.5 | 2,00 | 2,50 | 1,80 | 4,50 | 5,10 | 0,33 | 1,07 | 1,31 | 1,64 | 5,23 | 5,93 | 89 |
| 2MXM50A2V1B | 2.0+3.5 | 1,82 | 3,18 | 1,80 | 5,00 | 5,40 | 0,33 | 1,24 | 1,49 | 1,64 | 6,05 | 6,54 | 89 |
| 2MXM50A2V1B9 | 2.0+4.2 | 1,61 | 3,39 | 1,80 | 5,00 | 5,50 | 0,33 | 1,23 | 1,51 | 1,64 | 6,01 | 6,62 | 89 |
| | 2.0+5.0 | 1,43 | 3,57 | 1,80 | 5,00 | 5,50 | 0,33 | 1,22 | 1,44 | 1,64 | 5,95 | 6,55 | 89 |
| | 2.5+2.5 | 2,50 | 2,50 | 1,80 | 5,00 | 5,30 | 0,33 | 1,25 | 1,42 | 1,64 | 6,10 | 6,47 | 89 |
| | 2.5+3.5 | 2,08 | 2,92 | 1,80 | 5,00 | 5,40 | 0,33 | 1,23 | 1,43 | 1,64 | 6,02 | 6,51 | 89 |
| | 2.5+4.2 | 1,87 | 3,13 | 1,80 | 5,00 | 5,50 | 0,33 | 1,22 | 1,45 | 1,64 | 5,98 | 6,58 | 89 |
| | 2.5+5.0 | 1,67 | 3,33 | 1,80 | 5,00 | 5,50 | 0,33 | 1,21 | 1,38 | 1,64 | 5,92 | 6,52 | 89 |
| | 3.5+3.5 | 2,50 | 2,50 | 1,80 | 5,00 | 5,40 | 0,33 | 1,22 | 1,42 | 1,64 | 5,95 | 6,43 | 89 |
| | 3.5+4.2 | 2,27 | 2,73 | 1,80 | 5,00 | 5,50 | 0,33 | 1,21 | 1,40 | 1,64 | 5,90 | 6,49 | 89 |
| | 3.5+5.0 | 2,06 | 2,94 | 1,80 | 5,00 | 5,50 | 0,33 | 1,20 | 1,34 | 1,64 | 5,85 | 6,44 | 89 |
| | 4.2+4.2 | 2,50 | 2,50 | 1,80 | 5,00 | 5,50 | 0,33 | 1,20 | 1,38 | 1,64 | 5,88 | 6,47 | 89 |

Notes

1) The total capacity of each connected indoor unit is up to ·8.5·kW.
2) The values mentioned in this document are for connecting with the following indoor unit types:
   ·1.5, 2.0, 2.5, 3.5, 4.2, 5.0· kW class
   Wall-mounted ·CTXA-AS, CTXA-AT, CTXA-AW, CTXA-BB, CTXA-BS, CTXA-BT, CTXM-M, CTXM-N, CTXM-R, FTXA-AS, FTXA-AT, FTXA-AW, FTXA-BB, FTXA-BS, FTXA-BT, FTXM-M, FTXM-N, FTXM-R, FTXJ-AB, FTXJ-AS, FTXJ-AW· series
3) Cooling capacity conditions
   Indoor temperature ·27·°C DB / ·19·°C WB
   Outdoor temperature ·35·°C DB
4) For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see ·3D106169·.

**4D139787B**

### 2MXM50A9

**Heating ·230V 50Hz·**

| Outdoor unit | Indoor unit | Heating capacity [kW] | | Total capacity [kW] | | | Power input [kW] | | | Total current [A] | | | Power factor [%] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Room ·A· | Room ·B· | Minimum | Nominal | Maximum | Minimum | Nominal | Maximum | Minimum | Nominal | Maximum | |
| | 1.5 | 2,30 | - | 1,10 | 2,30 | 3,30 | 0,29 | 0,78 | 0,95 | 1,44 | 3,82 | 4,66 | 89 |
| | 2.0 | 3,00 | - | 1,10 | 3,00 | 3,70 | 0,27 | 0,82 | 1,13 | 1,33 | 3,99 | 5,52 | 89 |
| | 2.5 | 3,40 | - | 1,10 | 3,40 | 4,10 | 0,25 | 0,99 | 1,34 | 1,23 | 4,81 | 6,54 | 89 |
| | 3.5 | 4,20 | - | 1,10 | 4,20 | 4,80 | 0,25 | 1,30 | 1,60 | 1,23 | 6,36 | 7,80 | 89 |
| | 4.2 | 4,60 | - | 1,10 | 4,60 | 5,00 | 0,23 | 1,49 | 1,81 | 1,12 | 7,27 | 8,85 | 89 |
| | 5.0 | 5,50 | - | 1,20 | 5,50 | 5,60 | 0,23 | 1,35 | 1,51 | 1,12 | 6,56 | 9,01 | 89 |
| | 1.5+1.5 | 1,80 | 1,80 | 1,20 | 3,60 | 5,00 | 0,23 | 0,79 | 1,09 | 1,12 | 3,84 | 5,34 | 89 |
| | 1.5+2.0 | 1,67 | 2,23 | 1,20 | 3,90 | 5,00 | 0,23 | 0,90 | 1,16 | 1,12 | 4,40 | 5,65 | 89 |
| | 1.5+2.5 | 1,69 | 2,81 | 1,20 | 4,50 | 5,19 | 0,23 | 1,10 | 1,27 | 1,12 | 5,39 | 6,22 | 89 |
| 2MXM50M2V1B | 1.5+3.5 | 1,56 | 3,64 | 1,20 | 5,20 | 5,70 | 0,25 | 1,28 | 1,40 | 1,23 | 6,25 | 6,86 | 89 |
| 2MXM50M2V1B9 | 1.5+4.2 | 1,47 | 4,13 | 1,20 | 5,60 | 5,96 | 0,25 | 1,37 | 1,46 | 1,23 | 6,71 | 7,15 | 89 |
| 2MXM50M3V1B9 | 1.5+5.0 | 1,29 | 4,31 | 1,20 | 5,60 | 6,16 | 0,25 | 1,37 | 1,50 | 1,23 | 6,68 | 7,35 | 89 |
| 2MXM50N2V1B | 2.0+2.0 | 2,35 | 2,35 | 1,20 | 4,70 | 5,70 | 0,23 | 1,15 | 1,40 | 1,12 | 5,61 | 6,82 | 89 |
| 2MXM50N2V1B9 | 2.0+2.5 | 2,27 | 2,83 | 1,20 | 5,10 | 5,80 | 0,23 | 1,24 | 1,42 | 1,12 | 6,08 | 6,92 | 89 |
| 2MXM50A2V1B | 2.0+3.5 | 2,04 | 3,56 | 1,20 | 5,60 | 5,90 | 0,25 | 1,36 | 1,43 | 1,23 | 6,65 | 7,01 | 89 |
| 2MXM50A2V1B9 | 2.0+4.2 | 1,81 | 3,79 | 1,20 | 5,60 | 6,00 | 0,25 | 1,36 | 1,46 | 1,23 | 6,63 | 7,11 | 89 |
| | 2.0+5.0 | 1,60 | 4,00 | 1,20 | 5,60 | 6,20 | 0,25 | 1,35 | 1,50 | 1,23 | 6,60 | 7,31 | 89 |
| | 2.5+2.5 | 2,80 | 2,80 | 1,20 | 5,60 | 5,80 | 0,23 | 1,37 | 1,42 | 1,12 | 6,71 | 6,95 | 89 |
| | 2.5+3.5 | 2,33 | 3,27 | 1,20 | 5,60 | 6,00 | 0,25 | 1,38 | 1,48 | 1,23 | 6,76 | 7,25 | 89 |
| | 2.5+4.2 | 2,09 | 3,51 | 1,20 | 5,60 | 6,10 | 0,25 | 1,39 | 1,51 | 1,23 | 6,79 | 7,40 | 89 |
| | 2.5+5.0 | 1,87 | 3,73 | 1,30 | 5,60 | 6,30 | 0,25 | 1,41 | 1,58 | 1,23 | 6,88 | 7,74 | 89 |
| | 3.5+3.5 | 2,80 | 2,80 | 1,30 | 5,60 | 6,10 | 0,25 | 1,40 | 1,52 | 1,23 | 6,83 | 7,44 | 89 |
| | 3.5+4.2 | 2,55 | 3,05 | 1,30 | 5,60 | 6,20 | 0,25 | 1,40 | 1,55 | 1,23 | 6,84 | 7,58 | 89 |
| | 3.5+5.0 | 2,31 | 3,29 | 1,30 | 5,60 | 6,40 | 0,25 | 1,42 | 1,63 | 1,23 | 6,95 | 7,95 | 89 |
| | 4.2+4.2 | 2,80 | 2,80 | 1,30 | 5,60 | 6,30 | 0,25 | 1,41 | 1,58 | 1,23 | 6,88 | 7,74 | 89 |

Notes

1) The total capacity of each connected indoor unit is up to ·8.5·kW.
2) The values mentioned in this document are for connecting with the following indoor unit types:
   ·1.5, 2.0, 2.5, 3.5, 4.2, 5.0· kW class
   Wall-mounted ·CTXA-AS, CTXA-AT, CTXA-AW, CTXA-BB, CTXA-BS, CTXA-BT, CTXM-M, CTXM-N, CTXM-R, FTXA-AS, FTXA-AT, FTXA-AW, FTXA-BB, FTXA-BS, FTXA-BT, FTXM-M, FTXM-N, FTXM-R, FTXJ-AB, FTXJ-AS, FTXJ-AW· series
3) Heating capacity conditions
   Indoor temperature ·20·°C DB
   Outdoor temperature ·7·°C DB / ·6·°C WB
4) For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see ·3D106169·.

**4D139795B**

# 4 Combination table

## 4 - 1 Combination Table

### 2MXM68A9

**Cooling ·230V 50Hz·**

| Outdoor unit | Indoor unit | Cooling capacity [kW] | | Total capacity [kW] | | | Power input [kW] | | | Total current [A] | | | Power factor [%] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Room ·A· | Room ·B· | Minimum | Nominal | Maximum | Minimum | Nominal | Maximum | Minimum | Nominal | Maximum | |
| 2MXM68N2V1B<br>2MXM68A2V1B<br>2MXM68A2V1B9 | 1.5 | 1,60 | --- | 1,52 | 1,60 | 2,49 | 0,40 | 0,42 | 0,59 | 1,82 | 1,98 | 2,71 | 95 |
| | 2.0 | 2,00 | --- | 1,65 | 2,00 | 3,00 | 0,41 | 0,43 | 0,67 | 1,89 | 2,08 | 3,08 | 95 |
| | 2.5 | 2,50 | --- | 1,74 | 2,50 | 3,44 | 0,44 | 0,44 | 0,82 | 2,00 | 2,62 | 3,77 | 95 |
| | 3.5 | 3,50 | --- | 1,93 | 3,50 | 4,86 | 0,46 | 0,46 | 1,43 | 2,09 | 3,84 | 6,53 | 95 |
| | 4.2 | 4,20 | --- | 1,93 | 4,20 | 5,33 | 0,46 | 0,46 | 1,43 | 2,09 | 3,93 | 6,56 | 95 |
| | 5.0 | 5,00 | --- | 1,94 | 5,00 | 6,03 | 0,44 | 0,44 | 2,13 | 2,00 | 7,20 | 9,77 | 95 |
| | 6.0 | 6,00 | --- | 1,94 | 6,00 | 6,51 | 0,44 | 0,44 | 2,13 | 2,00 | 7,29 | 9,77 | 95 |
| | 1.5+1.5 | 1,50 | 1,50 | 1,95 | 3,00 | 4,79 | 0,40 | 0,51 | 1,15 | 1,81 | 2,34 | 5,25 | 95 |
| | 1.5+2.0 | 1,50 | 2,00 | 1,95 | 3,50 | 4,96 | 0,40 | 0,62 | 1,22 | 1,81 | 2,84 | 5,58 | 95 |
| | 1.5+2.5 | 1,50 | 2,50 | 1,95 | 4,00 | 5,28 | 0,40 | 0,75 | 1,36 | 1,81 | 3,44 | 6,23 | 95 |
| | 1.5+3.5 | 1,50 | 3,50 | 1,95 | 5,00 | 6,17 | 0,39 | 1,04 | 1,83 | 1,77 | 4,76 | 8,39 | 95 |
| | 1.5+4.2 | 1,50 | 4,20 | 1,95 | 5,70 | 6,39 | 0,39 | 1,27 | 1,96 | 1,77 | 5,82 | 8,97 | 95 |
| | 1.5+5.0 | 1,50 | 5,00 | 1,95 | 6,50 | 7,08 | 0,38 | 1,50 | 2,23 | 1,73 | 6,87 | 10,22 | 95 |
| | 1.5+6.0 | 1,36 | 5,44 | 1,96 | 6,80 | 7,59 | 0,37 | 1,62 | 2,36 | 1,68 | 7,42 | 10,79 | 95 |
| | 2.0+2.0 | 2,00 | 2,00 | 1,95 | 4,00 | 5,12 | 0,40 | 0,75 | 1,29 | 1,81 | 3,44 | 5,91 | 95 |
| | 2.0+2.5 | 2,00 | 2,50 | 1,95 | 4,50 | 5,44 | 0,40 | 0,89 | 1,43 | 1,81 | 4,08 | 6,56 | 95 |
| | 2.0+3.5 | 2,00 | 3,50 | 1,95 | 5,50 | 6,30 | 0,39 | 1,17 | 1,91 | 1,77 | 5,36 | 8,76 | 95 |
| | 2.0+4.2 | 2,00 | 4,20 | 1,95 | 6,20 | 6,51 | 0,39 | 1,43 | 2,05 | 1,77 | 6,55 | 9,37 | 95 |
| | 2.0+5.0 | 1,94 | 4,86 | 1,95 | 6,80 | 7,26 | 0,38 | 1,59 | 2,36 | 1,73 | 7,28 | 10,79 | 95 |
| | 2.0+6.0 | 1,70 | 5,10 | 1,96 | 6,80 | 7,71 | 0,37 | 1,61 | 2,45 | 1,68 | 7,37 | 11,20 | 95 |
| | 2.5+2.5 | 2,50 | 2,50 | 1,95 | 5,00 | 6,10 | 0,41 | 1,01 | 1,78 | 1,89 | 4,63 | 8,15 | 95 |
| | 2.5+3.5 | 2,50 | 3,50 | 1,95 | 6,00 | 6,57 | 0,40 | 1,29 | 2,11 | 1,81 | 5,91 | 9,65 | 95 |
| | 2.5+4.2 | 2,50 | 4,20 | 1,95 | 6,70 | 6,95 | 0,40 | 1,51 | 2,38 | 1,81 | 6,92 | 10,88 | 95 |
| | 2.5+5.0 | 2,27 | 4,53 | 1,95 | 6,80 | 7,37 | 0,37 | 1,50 | 2,45 | 1,68 | 6,87 | 11,20 | 95 |
| | 2.5+6.0 | 2,00 | 4,80 | 1,96 | 6,80 | 7,71 | 0,35 | 1,48 | 2,45 | 1,60 | 6,78 | 11,20 | 95 |
| | 3.5+3.5 | 3,40 | 3,40 | 1,95 | 6,80 | 7,13 | 0,38 | 1,45 | 2,37 | 1,73 | 6,64 | 10,83 | 95 |
| | 3.5+4.2 | 3,09 | 3,71 | 1,95 | 6,80 | 7,24 | 0,38 | 1,45 | 2,46 | 1,73 | 6,64 | 11,24 | 95 |
| | 3.5+5.0 | 2,80 | 4,00 | 1,95 | 6,80 | 7,76 | 0,35 | 1,42 | 2,78 | 1,60 | 6,50 | 12,71 | 95 |
| | 3.5+6.0 | 2,51 | 4,29 | 2,26 | 6,80 | 8,07 | 0,40 | 1,40 | 2,72 | 1,81 | 6,41 | 12,46 | 95 |
| | 4.2+4.2* | 3,40 | 3,40 | 1,95 | 6,80 | 7,14 | 0,38 | 1,44 | 2,37 | 1,73 | 6,60 | 10,83 | 95 |
| | 4.2+5.0* | 3,10 | 3,70 | 1,95 | 6,80 | 7,77 | 0,35 | 1,41 | 2,78 | 1,60 | 6,46 | 12,71 | 95 |
| | 4.2+6.0* | 2,80 | 4,00 | 2,26 | 6,80 | 8,08 | 0,40 | 1,40 | 2,72 | 1,81 | 6,41 | 12,46 | 95 |

Notes

1) The total capacity of each connected indoor unit is up to ·10.2·kW.
2) The values mentioned in this document are for connecting with the following indoor unit types:
   ·1.5, 2.0, 2.5, 3.5, 4.2, 5.0, 6.0· kW class
   Wall-mounted ·CTXA-AS, CTXA-AT, CTXA-AW, CTXA-BB, CTXA-BS, CTXA-BT, CTXM-M, CTXM-N, CTXM-R, FTXA-AS, FTXA-AT, FTXA-AW, FTXA-BB, FTXA-BS, FTXA-BT, FTXM-M, FTXM-N, FTXM-R, FTXJ-AB, FTXJ-AS, FTXJ-AW· series
   * Only for ·CTXM-R· and · · ·FTXM-R· series
3) Cooling capacity conditions
   Indoor temperature ·27·°C DB / ·19·°C WB
   Outdoor temperature ·35·°C DB
4) For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see ·3D106169·.

**4D139796B**

### 2MXM68A9

**Heating ·230V 50Hz·**

| Outdoor unit | Indoor unit | Heating capacity [kW] | | Total capacity [kW] | | | Power input [kW] | | | Total current [A] | | | Power factor [%] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Room ·A· | Room ·B· | Minimum | Nominal | Maximum | Minimum | Nominal | Maximum | Minimum | Nominal | Maximum | |
| 2MXM68N2V1B<br>2MXM68A2V1B<br>2MXM68A2V1B9 | 1.5 | 2,70 | --- | 1,20 | 2,70 | 4,08 | 0,34 | 0,72 | 1,22 | 1,55 | 3,35 | 5,59 | 95 |
| | 2.0 | 3,00 | --- | 1,19 | 3,00 | 4,09 | 0,34 | 0,81 | 1,28 | 1,57 | 3,70 | 5,64 | 95 |
| | 2.5 | 3,40 | - | 1,22 | 3,40 | 4,30 | 0,35 | 1,02 | 1,37 | 1,61 | 4,72 | 6,08 | 95 |
| | 3.5 | 4,30 | - | 1,33 | 4,30 | 4,90 | 0,37 | 1,41 | 1,75 | 1,67 | 6,50 | 7,15 | 95 |
| | 4.2 | 4,90 | - | 1,44 | 4,90 | 5,70 | 0,40 | 1,58 | 2,04 | 1,82 | 7,25 | 7,15 | 95 |
| | 5.0 | 5,90 | - | 1,66 | 5,90 | 6,90 | 0,39 | 1,92 | 2,59 | 1,78 | 8,78 | 8,70 | 95 |
| | 6.0 | 7,20 | - | 1,88 | 7,20 | 8,91 | 0,37 | 2,39 | 2,64 | 1,69 | 10,94 | 12,08 | 95 |
| | 1.5+1.5 | 1,83 | 1,83 | 1,33 | 3,65 | 7,38 | 0,29 | 0,82 | 1,83 | 1,31 | 3,75 | 8,38 | 95 |
| | 1.5+2.0 | 1,76 | 2,34 | 1,39 | 4,10 | 7,76 | 0,30 | 0,94 | 1,99 | 1,37 | 4,31 | 9,09 | 95 |
| | 1.5+2.5 | 1,76 | 2,94 | 1,65 | 4,70 | 7,95 | 0,36 | 1,10 | 2,06 | 1,63 | 5,04 | 9,43 | 95 |
| | 1.5+3.5 | 1,77 | 4,13 | 1,80 | 5,90 | 8,50 | 0,37 | 1,45 | 2,35 | 1,68 | 6,61 | 10,74 | 95 |
| | 1.5+4.2 | 1,79 | 5,01 | 1,80 | 6,80 | 8,85 | 0,37 | 1,72 | 2,57 | 1,68 | 7,88 | 11,75 | 95 |
| | 1.5+5.0 | 1,80 | 6,00 | 2,18 | 7,80 | 10,38 | 0,45 | 2,03 | 2,91 | 2,06 | 9,27 | 13,31 | 95 |
| | 1.5+6.0 | 1,72 | 6,88 | 2,46 | 8,60 | 10,58 | 0,48 | 2,28 | 2,67 | 2,19 | 10,44 | 12,21 | 95 |
| | 2.0+2.0 | 2,40 | 2,40 | 1,65 | 4,80 | 7,95 | 0,36 | 1,01 | 2,31 | 1,63 | 4,63 | 9,47 | 95 |
| | 2.0+2.5 | 2,36 | 2,94 | 1,65 | 5,30 | 8,12 | 0,36 | 1,17 | 2,32 | 1,63 | 5,34 | 9,81 | 95 |
| | 2.0+3.5 | 2,36 | 4,14 | 1,80 | 6,50 | 8,67 | 0,37 | 1,52 | 2,43 | 1,68 | 6,94 | 11,12 | 95 |
| | 2.0+4.2 | 2,39 | 5,01 | 1,80 | 7,40 | 9,03 | 0,37 | 1,83 | 2,66 | 1,68 | 8,38 | 12,17 | 95 |
| | 2.0+5.0 | 2,37 | 5,93 | 2,18 | 8,30 | 10,56 | 0,45 | 2,18 | 3,00 | 2,06 | 9,98 | 13,73 | 95 |
| | 2.0+6.0 | 2,15 | 6,45 | 2,46 | 8,60 | 10,75 | 0,48 | 2,24 | 2,74 | 2,19 | 10,26 | 12,55 | 95 |
| | 2.5+2.5 | 2,95 | 2,95 | 1,65 | 5,90 | 8,49 | 0,36 | 1,33 | 2,36 | 1,63 | 6,08 | 10,78 | 95 |
| | 2.5+3.5 | 2,96 | 4,14 | 1,89 | 7,10 | 9,03 | 0,38 | 1,72 | 2,66 | 1,72 | 7,86 | 12,17 | 95 |
| | 2.5+4.2 | 2,99 | 5,01 | 1,89 | 8,00 | 9,29 | 0,38 | 2,03 | 2,82 | 1,72 | 9,31 | 12,93 | 95 |
| | 2.5+5.0 | 2,87 | 5,73 | 2,27 | 8,60 | 10,68 | 0,46 | 2,24 | 3,09 | 2,11 | 10,26 | 14,15 | 95 |
| | 2.5+6.0 | 2,53 | 6,07 | 2,55 | 8,60 | 10,88 | 0,50 | 2,22 | 2,77 | 2,28 | 10,17 | 12,67 | 95 |
| | 3.5+3.5 | 4,15 | 4,15 | 2,17 | 8,30 | 9,38 | 0,42 | 2,18 | 2,86 | 1,94 | 9,98 | 13,09 | 95 |
| | 3.5+4.2 | 3,91 | 4,69 | 2,17 | 8,60 | 9,47 | 0,42 | 2,26 | 2,91 | 1,94 | 10,35 | 13,31 | 95 |
| | 3.5+5.0 | 3,54 | 5,06 | 2,56 | 8,60 | 10,90 | 0,51 | 2,22 | 3,13 | 2,32 | 10,17 | 14,32 | 95 |
| | 3.5+6.0 | 3,17 | 5,43 | 2,74 | 8,60 | 11,01 | 0,52 | 2,21 | 2,76 | 2,37 | 10,12 | 12,63 | 95 |
| | 4.2+4.2* | 4,30 | 4,30 | 2,17 | 8,60 | 9,56 | 0,42 | 2,22 | 2,94 | 1,94 | 10,17 | 13,47 | 95 |
| | 4.2+5.0* | 3,93 | 4,67 | 2,56 | 8,60 | 10,91 | 0,51 | 2,21 | 3,19 | 2,32 | 10,12 | 14,61 | 95 |
| | 4.2+6.0* | 3,54 | 5,06 | 2,74 | 8,60 | 11,02 | 0,51 | 2,20 | 2,79 | 2,32 | 10,07 | 12,76 | 95 |

Notes

1) The total capacity of each connected indoor unit is up to ·10.2·kW.
2) The values mentioned in this document are for connecting with the following indoor unit types:
   ·1.5, 2.0, 2.5, 3.5, 4.2, 5.0, 6.0· kW class
   Wall-mounted ·CTXA-AS, CTXA-AT, CTXA-AW, CTXA-BB, CTXA-BS, CTXA-BT, CTXM-M, CTXM-N, CTXM-R, FTXA-AS, FTXA-AT, FTXA-AW, FTXA-BB, FTXA-BS, FTXA-BT, FTXM-M, FTXM-N, FTXM-R, FTXJ-AB, FTXJ-AS, FTXJ-AW· series
   * Only for ·CTXM-R· and · · ·FTXM-R· series
3) Heating capacity conditions
   Indoor temperature ·20·°C DB
   Outdoor temperature ·7·°C DB / ·6·°C WB
4) For additional information on the connection of the DHW generator for Multi and the Hybrid for Multi, see ·3D106169·.

**4D139798B**

# 5 Capacity tables

## 5 - 1 Capacity Table Legend



In order to fulfill more your requirements on quick access of data in the format you require, we have developed a tool to consult capacity tables.

Below you can find the link to the capacity table database and an overview of all the tools we have to help you select the correct product:

- **Capacity table database:** lets you find back and export quickly the capacity information you are looking for based upon unit model, refrigerant temperature and connection ratio.
- You can access the capacity table viewer here:
  https://my.daikin.eu/content/denv/en_US/home/applications/software-finder/capacity-table-viewer.html

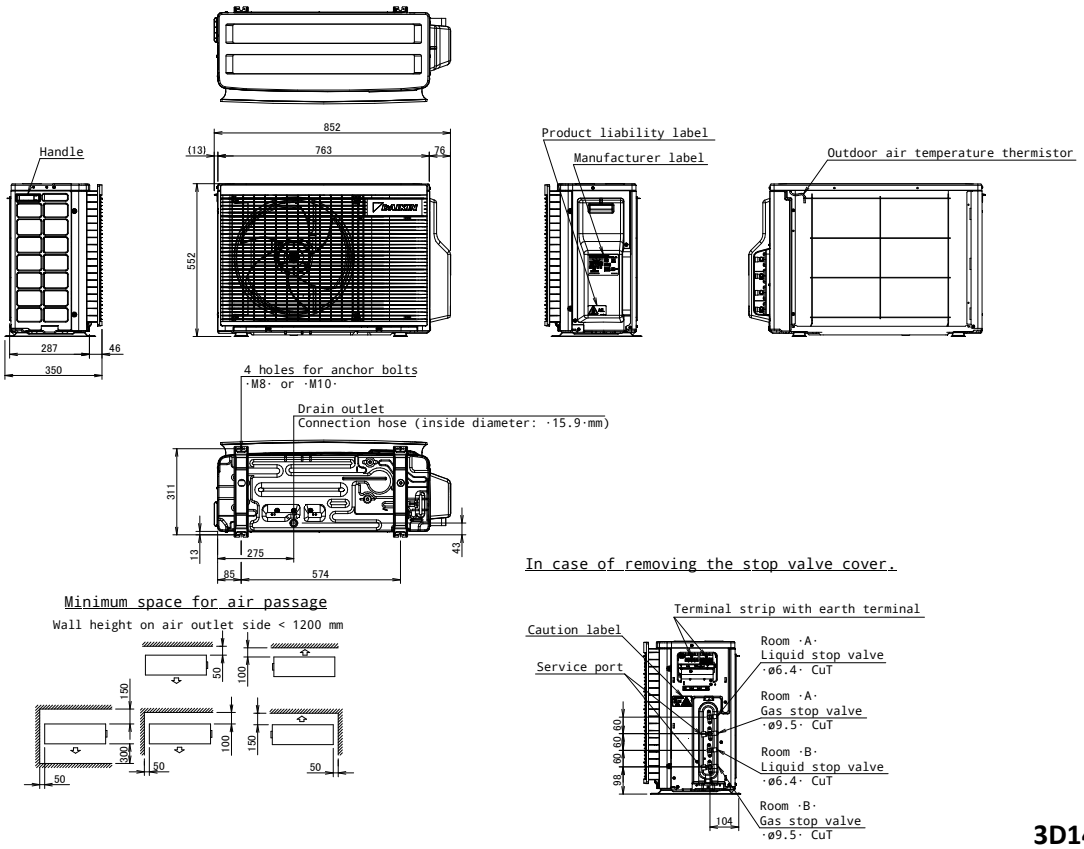
- An overview of **all software tools** that we offer can be found here:
  https://my.daikin.eu/denv/en_US/home/applications/software-finder.html

# 6 Dimensional drawings

## 6 - 1 Dimensional Drawings

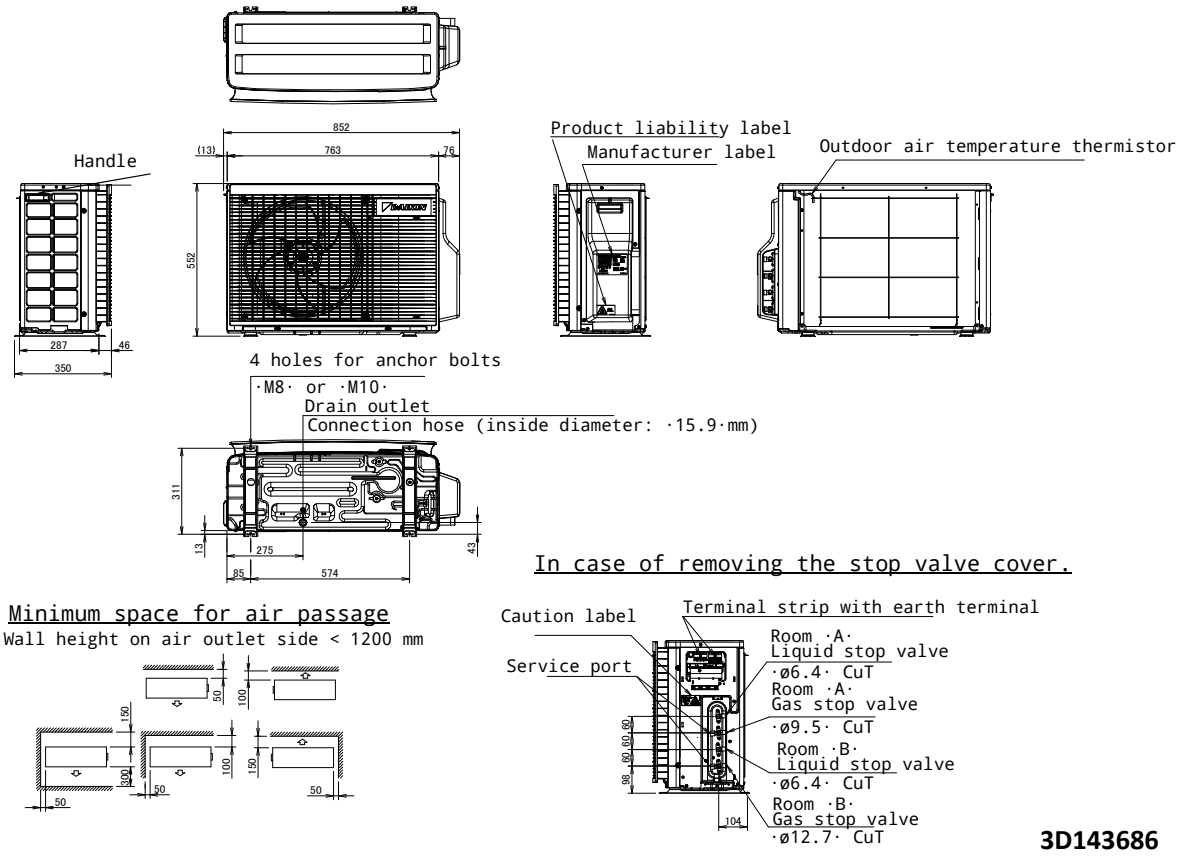


### 2MXM40A9




3D143687

### 2MXM50A9



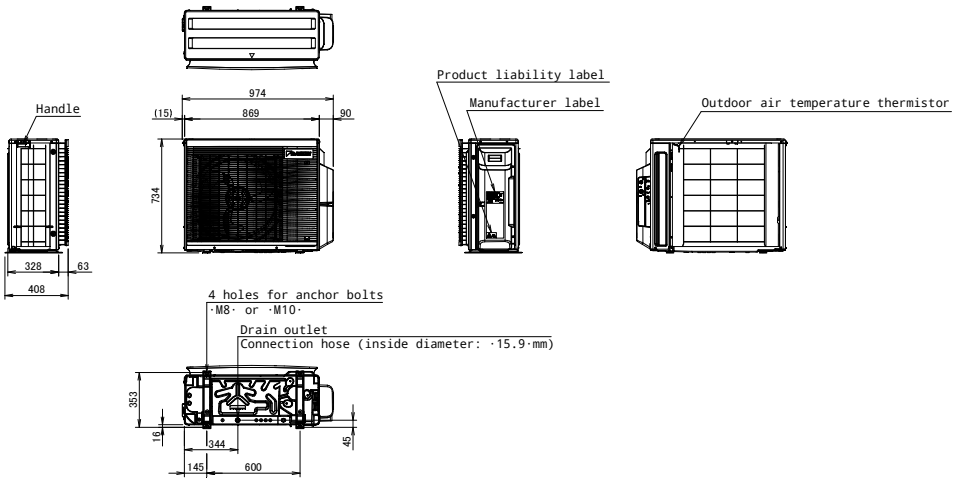

3D143686

# 6 Dimensional drawings

## 6 - 1 Dimensional Drawings

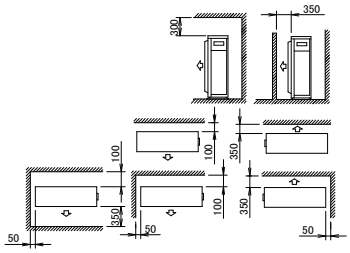


**2MXM68A9**

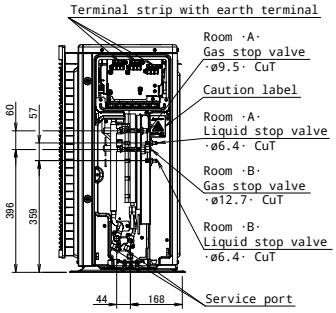



Minimum space for air passage

Wall height on air outlet side < 1200 mm




In case of removing the stop valve cover.



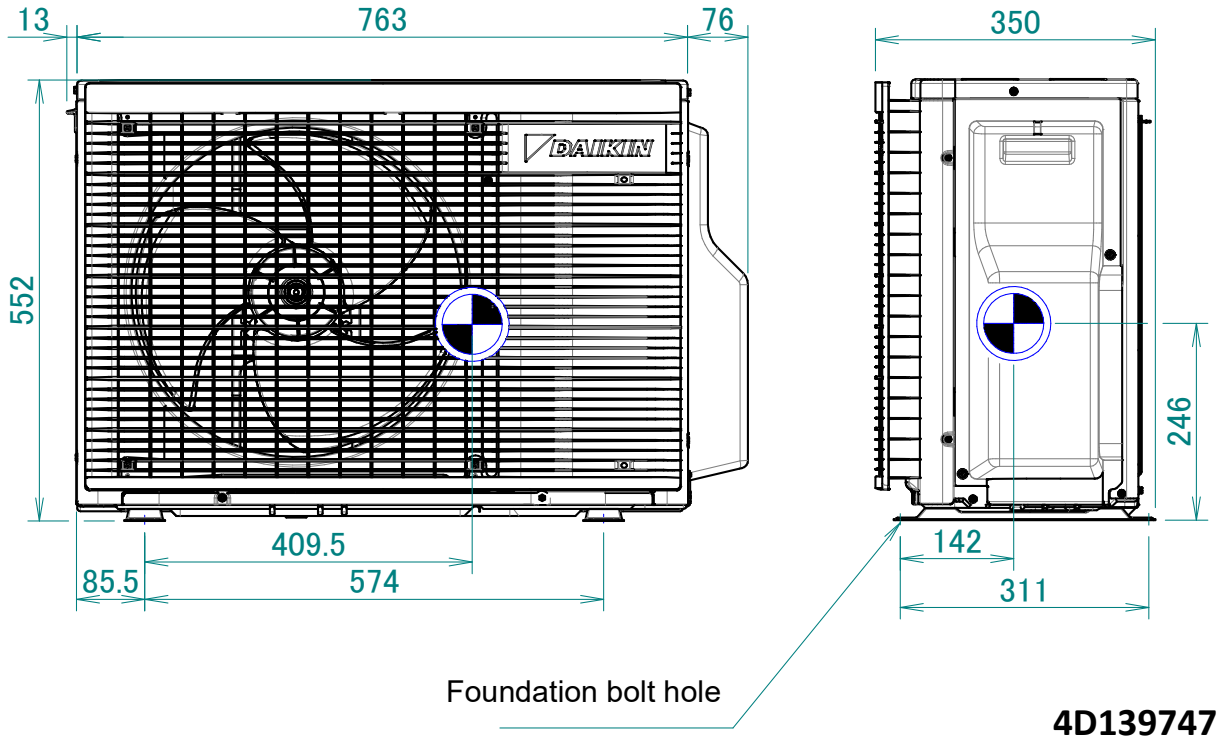

**3D144277**

# 7 Centre of gravity

## 7 - 1 Centre of Gravity

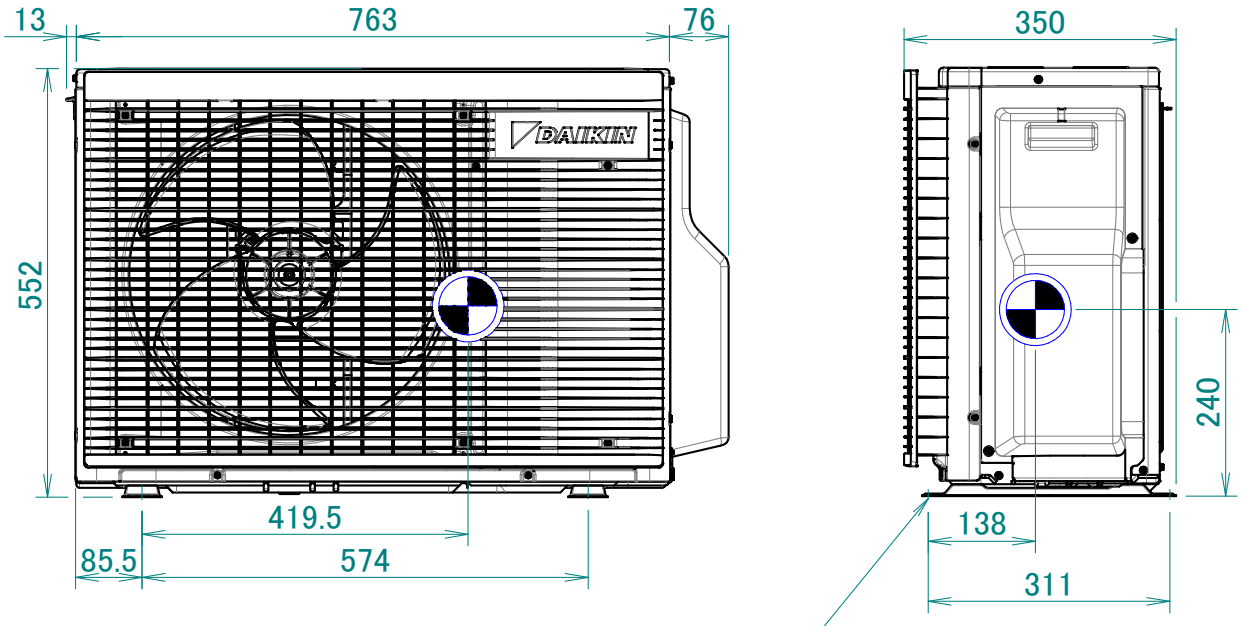


### 2MXM40A9




4D139747

### 2MXM50A9



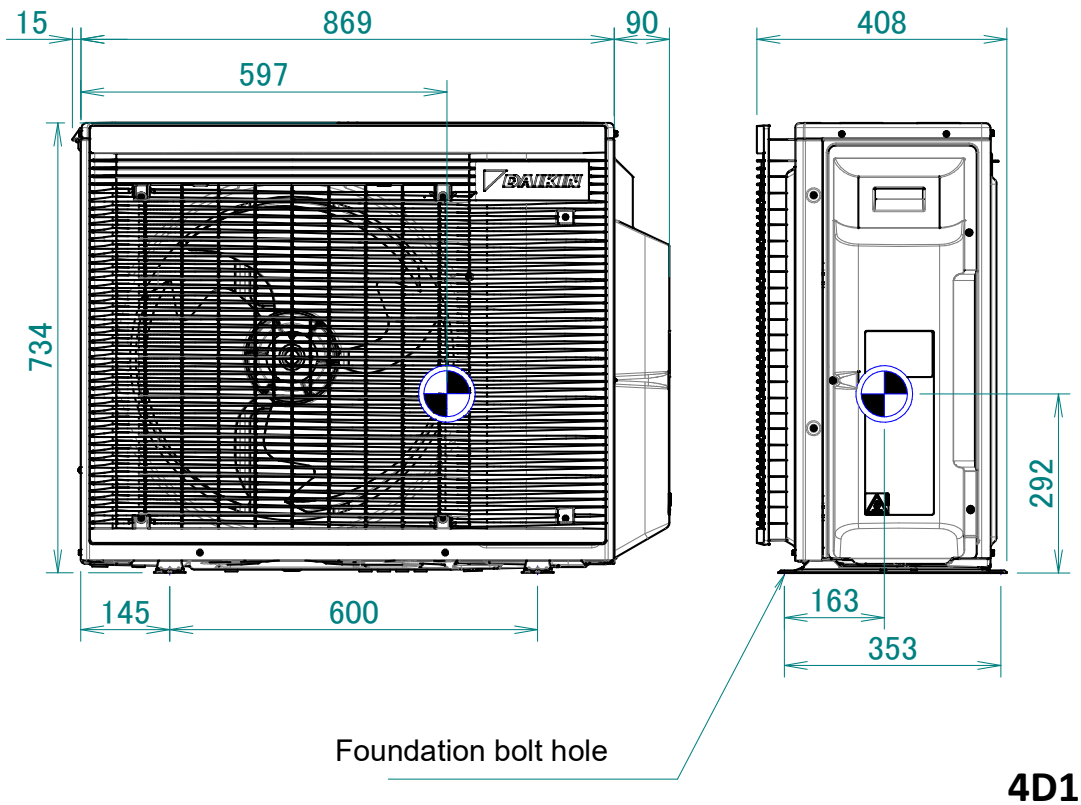

4D139693

# 7 Centre of gravity

## 7 - 1 Centre of Gravity



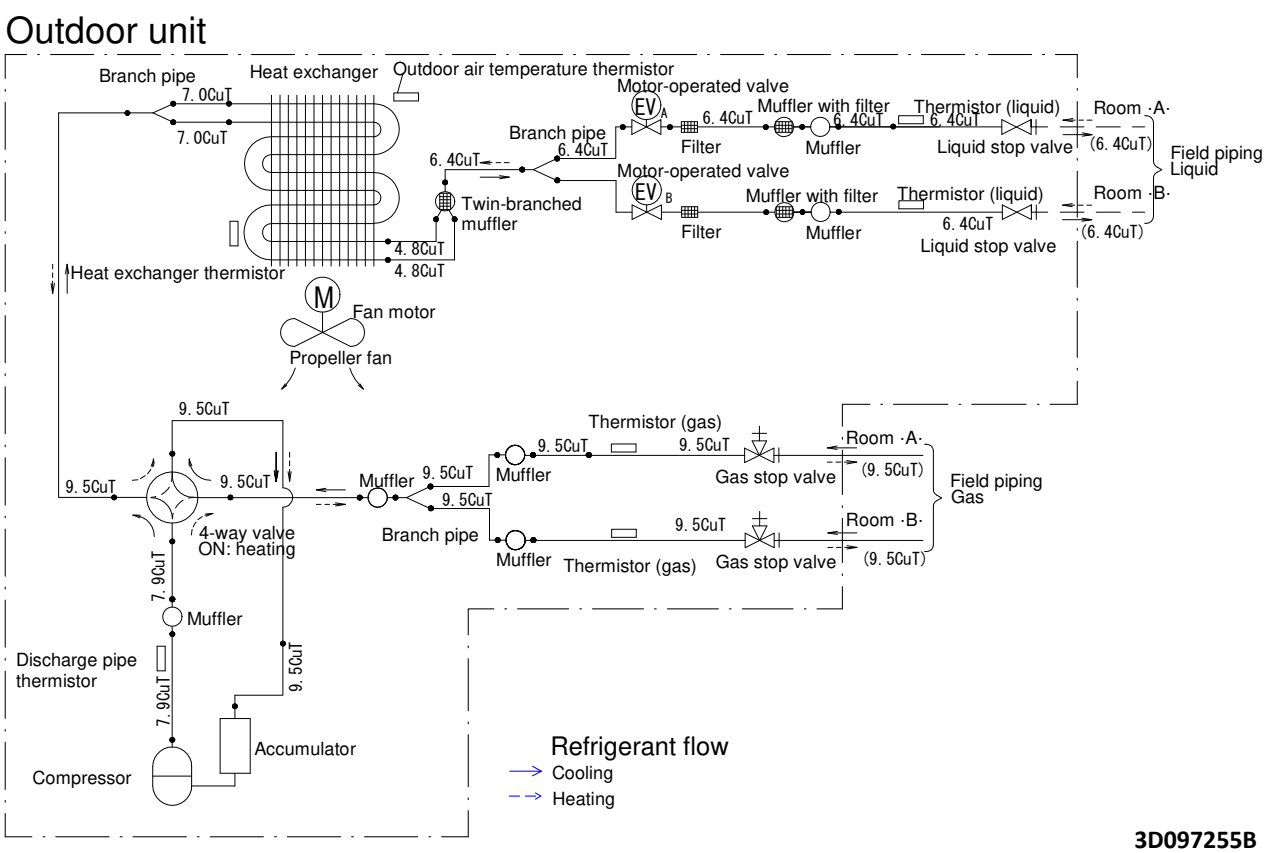
### 2MXM68A9



# 8 Piping diagrams

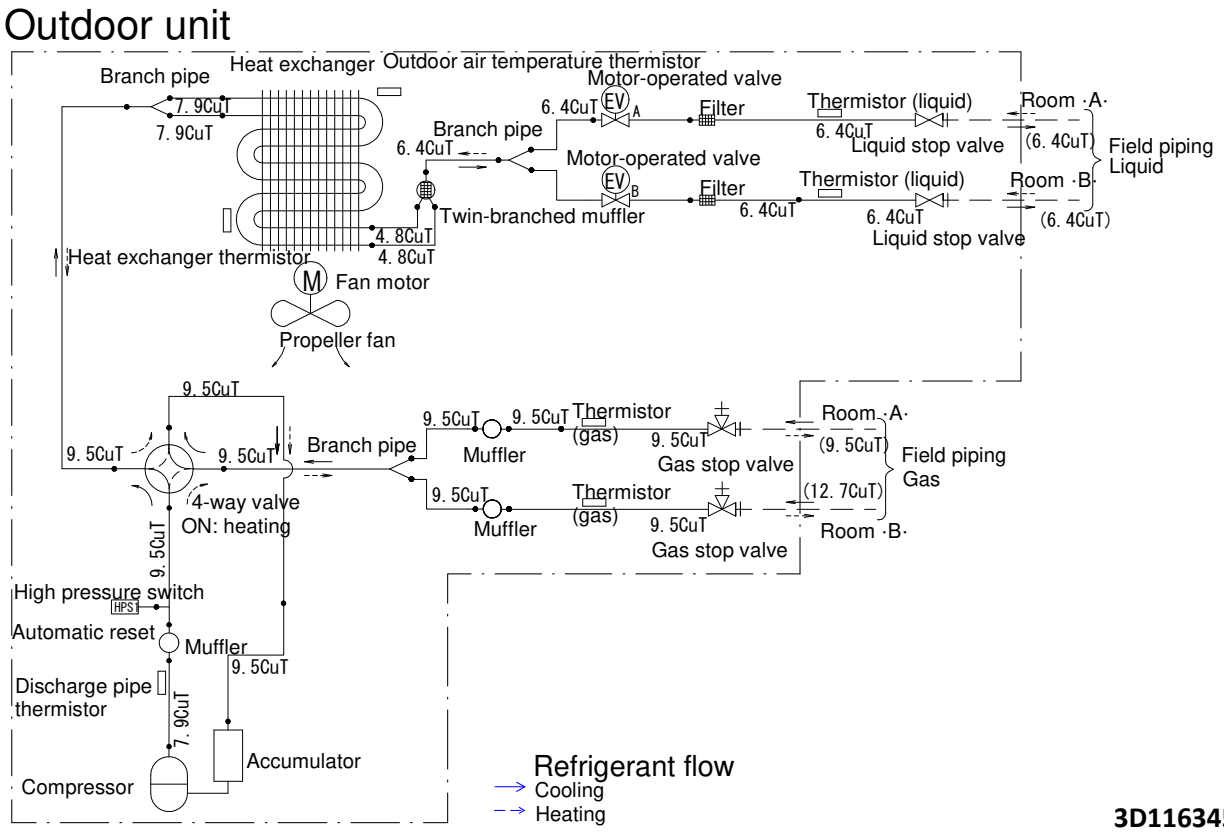
## 8 - 1 Piping Diagrams

**2MXM40A9**




3D097255B

**2MXM50A9**




3D116345

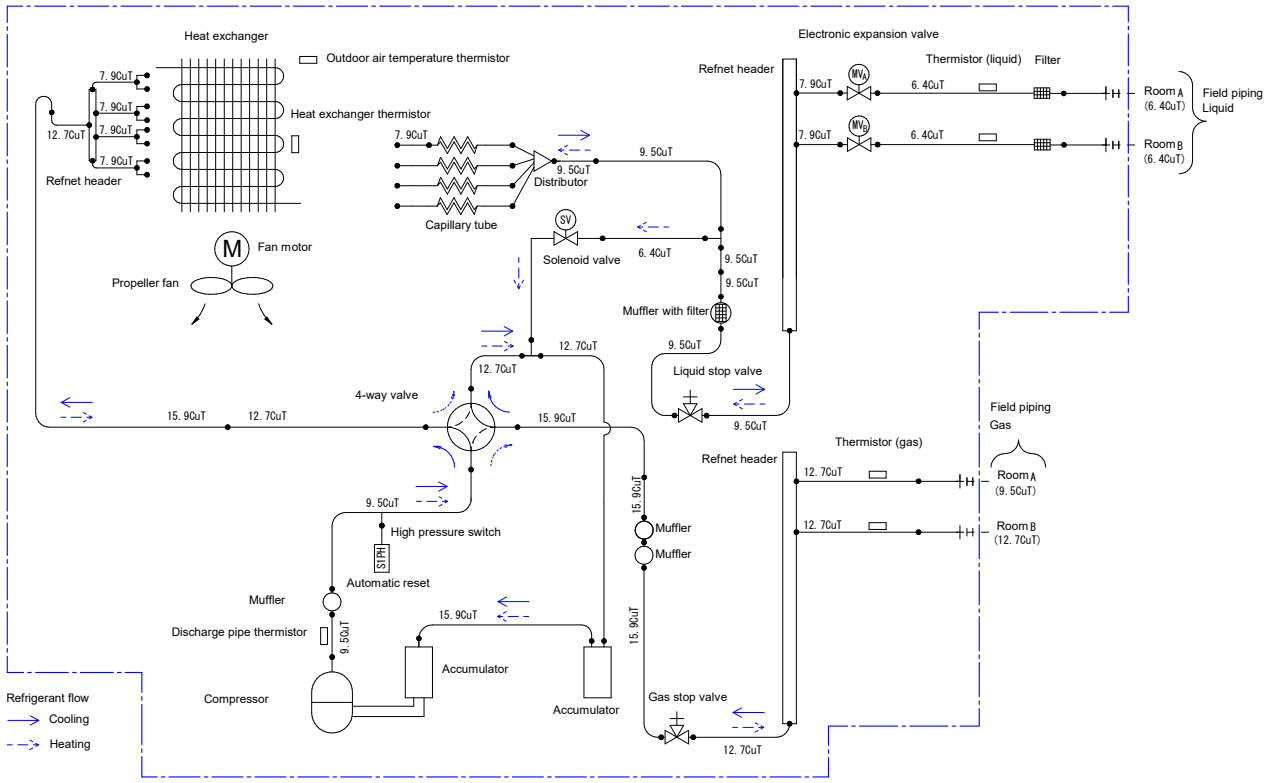
# 8 Piping diagrams

## 8 - 1 Piping Diagrams



**2MXM68A9**

**Outdoor Unit**



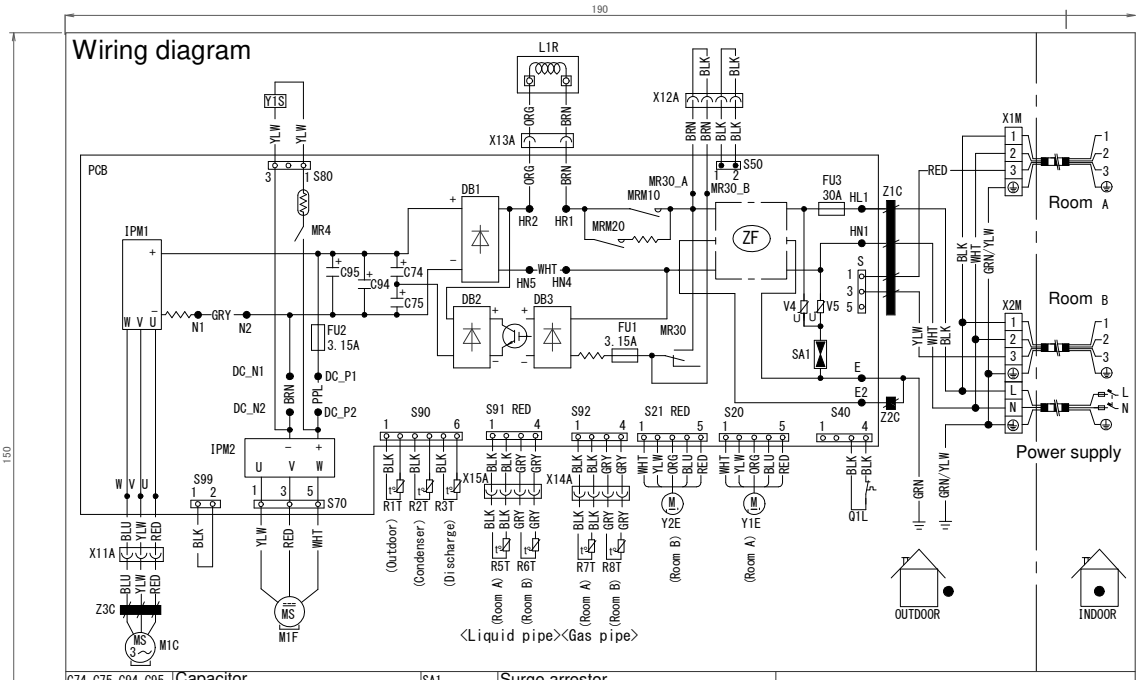

**3D130564**

# 9 Wiring diagrams

## 9 - 1 Wiring Diagrams - Single Phase



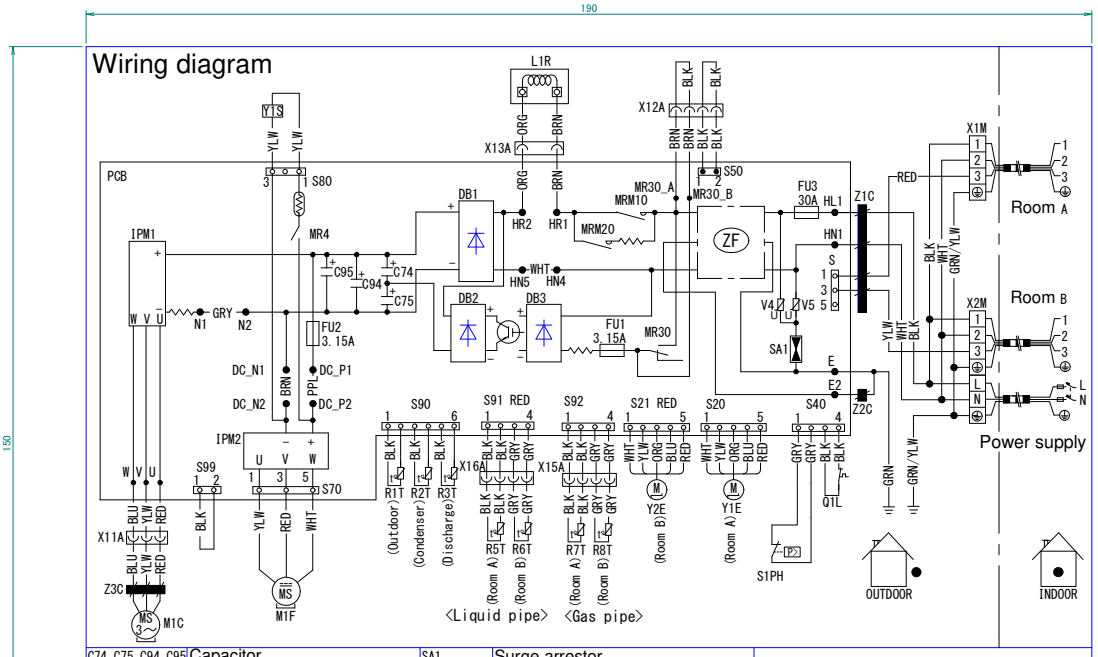
**2MXM40A9**




| | | | | | |
|---|---|---|---|---|---|
| C74, C75, C94, C95 | Capacitor | SA1 | Surge arrestor | | |
| DB1, DB2, DB3 | Diode bridge | | | | |
| FU1, FU2, FU3 | Fuse | V4, V5 | Varistor | | |
| IPM1 | Intelligent power module | X1M–X2M | Terminal strip with earth terminal | Field wiring | |
| L1R | Reactor | Y1E–Y2E | Electronic expansion valve coil | Screw terminal | |
| M1C | Compressor motor | Y1S | Reversing solenoid valve coil | Connector | |
| M1F | Fan motor | ZF | Noise filter | WHT: white | GRY: grey |
| MRM10, MRM20 | Magnetic relay | Z1C–Z3C | Ferrite core | BLK: black | ORG: orange |
| MR4, MR30 | Magnetic relay | S2–S502 | Connector | BLU: blue | RED: red |
| PCB | Printed circuit board | X11A–X15A | Connector | BRN: brown | YLW: yellow |
| Q1L | Overload protector | S99 | Heating-to-cooling changeover | GRN: green | |
| R1T–R8T | Thermistor | | | PPL: purple | |

**3D114689A**

**2MXM50A9**



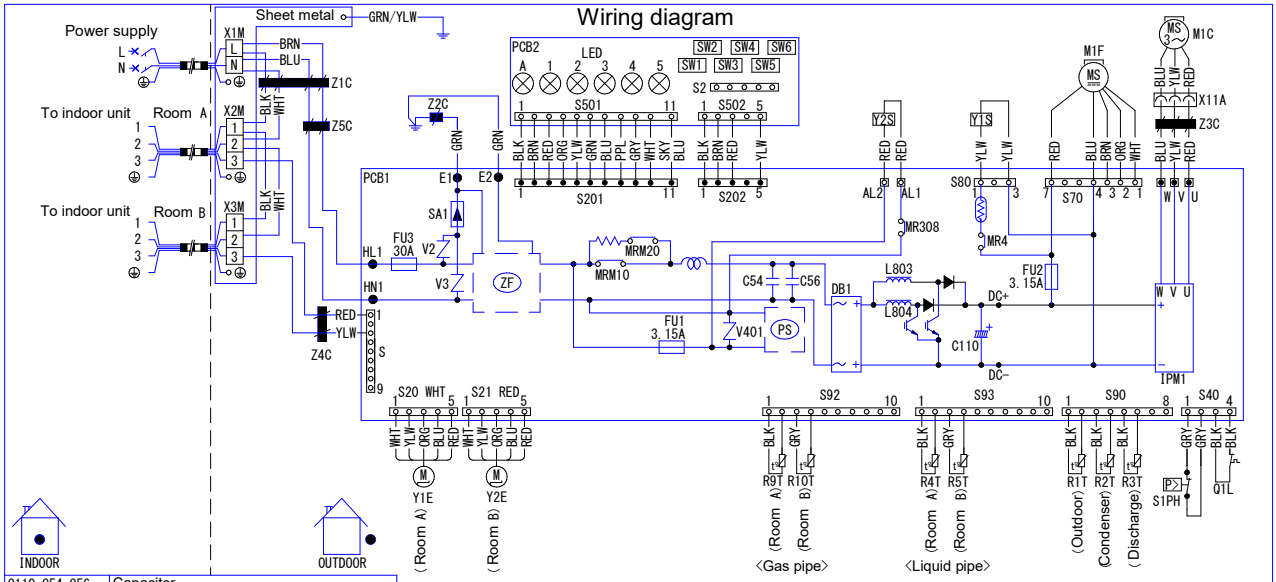

| | | | | | |
|---|---|---|---|---|---|
| C74, C75, C94, C95 | Capacitor | SA1 | Surge arrestor | | |
| DB1, DB2, DB3 | Diode bridge | S1PH | High pressure switch | | |
| FU1, FU2, FU3 | Fuse | V4, V5 | Varistor | | |
| IPM1 | Intelligent power module | X1M–X2M | Terminal strip with earth terminal | Field wiring | |
| L1R | Reactor | Y1E–Y2E | Electronic expansion valve coil | Screw terminal | |
| M1C | Compressor motor | Y1S | Reversing solenoid valve coil | Connector | |
| M1F | Fan motor | ZF | Noise filter | WHT: white | GRY: grey |
| MRM10, MRM20 | Magnetic relay | Z1C–Z3C | Ferrite core | BLK: black | ORG: orange |
| MR4, MR30 | Magnetic relay | S2–S502 | Connector | BLU: blue | RED: red |
| PCB | Printed circuit board | X11A–X16A | Connector | BRN: brown | YLW: yellow |
| Q1L | Overload protector | S99 | Heating-to-cooling changeover | GRN: green | |
| R1T–R8T | Thermistor | | | PPL: purple | |

**3D114690B**

# 9 Wiring diagrams

## 9 - 1 Wiring Diagrams - Single Phase

**2MXM68A9**




| | | | | | | | |
|---|---|---|---|---|---|---|---|
| C110, C54, C56 | Capacitor | | | | | | |
| DB1 | Diode bridge | Q1L | Overload protector | ZF | Noise filter | | |
| FU1, FU2, FU3 | Fuse | R1T–R10T | Thermistor | S, S2–S502 | Connector | | |
| IPM1 | Intelligent power module | SA1 | Surge arrester | U, V, W | Connector | | |
| L803, L804 | Reactor | S1PH | High pressure switch | X11A, AL1, AL2 | Connector | | |
| LED1–5, LEDA | Light-emitting diode | SW1–SW6 | Switch | | Field wiring | | |
| M1C | Compressor motor | V2, V3, V401 | Varistor | | Screw terminal | | |
| M1F | Fan motor | X1M–X3M | Terminal strip with earth terminal | | Connector | | |
| MRM10, MRM20 | Magnetic relay | Y1E–Y2E | Electronic expansion valve coil | BLK: black | GRY: grey | SKY BLU: sky blue | |
| MR4, MR308 | Magnetic relay | Y1S | Reversing solenoid valve coil | BLU: blue | ORG: orange | WHT: white | |
| PCB1, PCB2 | Printed circuit board | Y2S | Solenoid valve | BRN: brown | PPL: purple | YLW: yellow | |
| PS | Switching power supply | Z1C–Z5C | Ferrite core | GRN: green | RED: red | 3D130366-1 | |

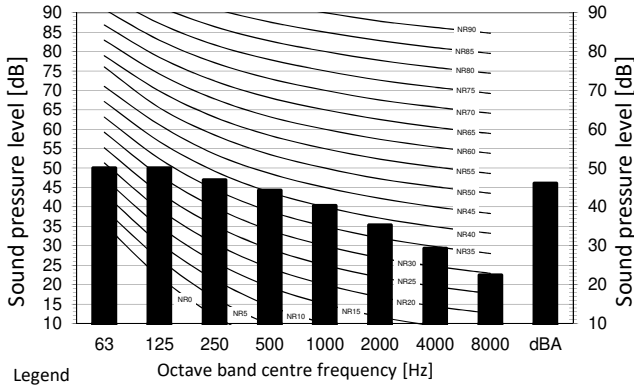
**3D130366**

# 10 Sound data

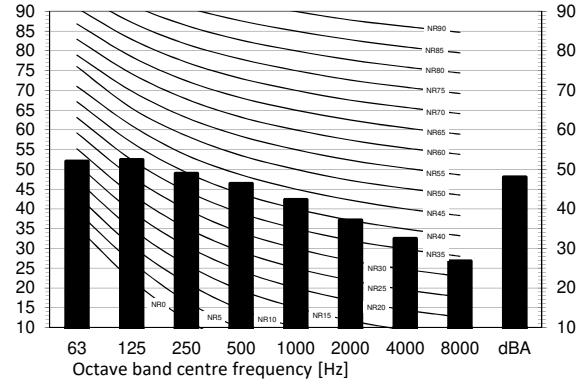
## 10 - 1 Sound Pressure Spectrum

**2MXM40A9**

Cooling mode




Heating mode



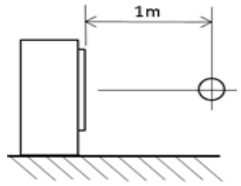

Legend

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

A Scale

B ■ Fan speed: High

Location of microphone




Cooling Total dB

| A | B |
|---|---|
| dBA | 46 |

Heating Total dB

| A | B |
|---|---|
| dBA | 48 |

Notes

1 Background noise already taken into account.

2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

3 Operating noise varies depending on operation and ambient conditions.

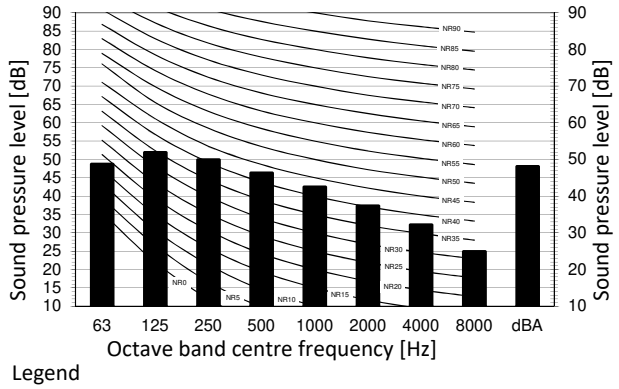
4 The operation noise measuring method is in accordance with JISC9612.

5 Measuring location: anechoic chamber

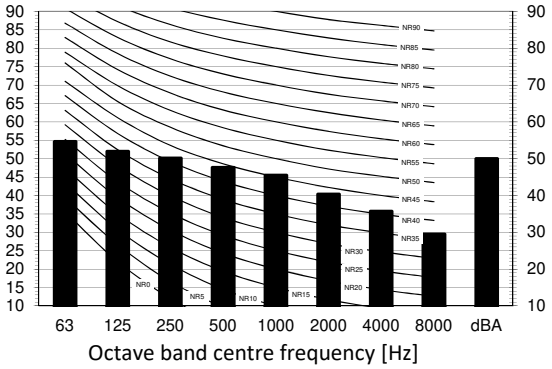
**3D102207C**

**2MXM50A9**

Cooling mode




Heating mode



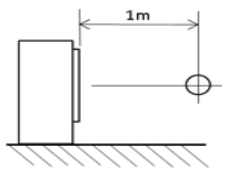

Legend

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

A Scale

B ■ Fan speed: High

Location of microphone




Cooling Total dB

| A | B |
|---|---|
| dBA | 48 |

Heating Total dB

| A | B |
|---|---|
| dBA | 50 |

Notes

1 Background noise already taken into account.

2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

3 Operating noise varies depending on operation and ambient conditions.

4 The operation noise measuring method is in accordance with JISC9612.

5 Measuring location: anechoic chamber

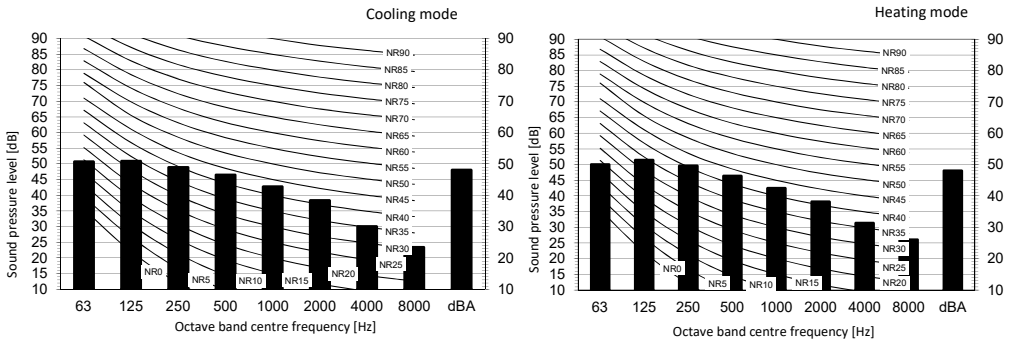
**3D102208C**

# 10 Sound data

## 10 - 1 Sound Pressure Spectrum



**2MXM68A9**
**3MXM68A9**




Legend

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

A Scale

B Fan speed: High

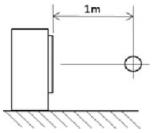
Cooling Total dB

| A | B |
|---|---|
| dBA | 48 |

Heating Total dB

| A | B |
|---|---|
| dBA | 49 |

Location of microphone




Notes

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

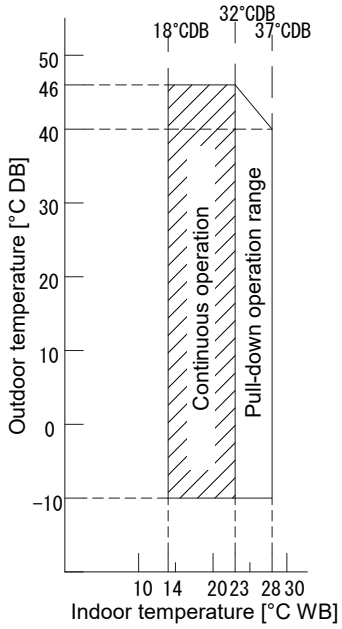
**3D106223B**

# 11 Operation range

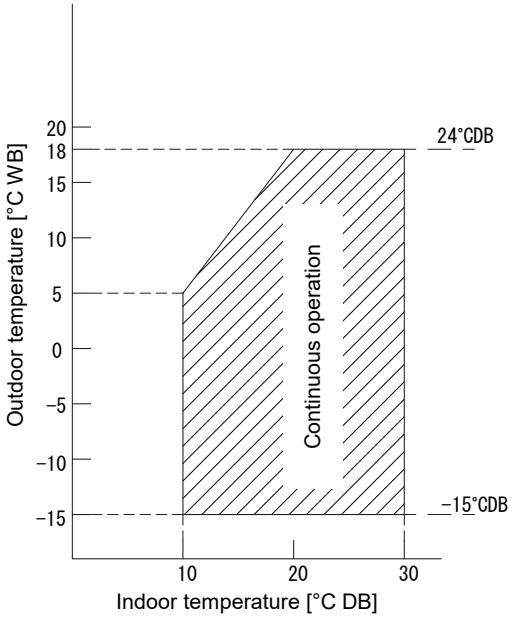
## 11 - 1 Operation Range

**2MXM-A9**
**3MXM-A9**
**4MXM-A9**
**5MXM-A9**

Cooling




Heating




Notes
1. The ·graph· is based on the following conditions.
Corresponding refrigerant piping length: ·5· m
Level difference: ·0·m
Air flow rate High

**3D101376D**

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EEDEN23 02/2023