



# Air Conditioning Technical Data

Wall mounted unit



EEEN16

FTXJ-MS, FTXJ-MW



# TABLE OF CONTENTS

## FTXJ-MS, FTXJ-MW

|   |                                      |    |
|---|--------------------------------------|----|
| 1 | Features .....                       | 2  |
|   | FTXJ-MS .....                        |    |
|   | FTXJ-MW .....                        | 2  |
| 2 | Specifications .....                 | 4  |
|   | Technical Specifications .....       | 4  |
|   | Electrical Specifications .....      | 5  |
| 3 | Options .....                        | 6  |
| 4 | Dimensional drawings .....           | 7  |
| 5 | Centre of gravity .....              | 8  |
| 6 | Piping diagrams .....                | 9  |
| 7 | Wiring diagrams .....                | 11 |
|   | Wiring Diagrams - Single Phase ..... | 11 |
| 8 | Sound data .....                     | 12 |
|   | Sound Pressure Spectrum .....        | 12 |






























# 1 Features

## 1 - 1 FTXJ-MS, FTXJ-MW

- Seasonal efficiency values up to A+++ in cooling and heating thanks to its up-to-date technology and built-in intelligence.
- 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
- Remarkable blend of iconic design and engineering excellence with an elegant finish in silver and anthracite or in matt crystal white
- Daikin Emura has been awarded many times, thanks to its excellent design
- Silver allergen removal and air purifying filter: captures allergens such as pollen and dust mites. The filter suppresses pollen and mites for 99% or more.
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!

1



- |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| Practically inaudible   | Silver allergen removal and air purifying filter                                    | Econo mode  | 2 area intelligent eye  | Energy saving during standby mode   | Night set mode  | Fan only  | Comfort mode  | Powerful mode   |
|  |  |  |  |  |  |  |  |  |
| Auto cooling-heating changeover   | Whisper quiet   | Indoor unit silent operation  | Outdoor unit silent operation   | 3-D air flow  | Vertical auto swing   | Horizontal auto swing   | Auto fan speed  | Fan speed steps   |
|  |  |  |  |  |  |  |  |  |
| Dry programme   | Titanium apatite photocatalytic air purification filter                             | Weekly timer  | 24 hour timer   | Infrared remote control   | Wired remote control  | Centralised control   | Online controller via app   | Auto-restart  |
|  |  |   |   |   |   |   |   |   |
| Self diagnosis  | Multi model application   |   |   |   |   |   |   |   |

## 2 Specifications

| 2-1 Technical Specifications |                                   |                                |                                  | FTXJ20MS                            | FTXJ25MS                         | FTXJ35MS    | FTXJ50MS              | FTXJ20MW              | FTXJ25MW              | FTXJ35MW              | FTXJ50MW              |                       |
|------------------------------|-----------------------------------|--------------------------------|----------------------------------|-------------------------------------|----------------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Power input - 50Hz           | Cooling                           | Nom.                           | kW                               | 0.023                               |                                  | 0.033       |                       | 0.023                 |                       | 0.033                 |                       |                       |
|                              | Heating                           | Nom.                           | kW                               | 0.031                               | 0.033                            | 0.042       | 0.043                 | 0.031                 | 0.033                 | 0.042                 | 0.043                 |                       |
| Casing                       | Colour                            |                                |                                  | Silver                              |                                  |             |                       | White                 |                       |                       |                       |                       |
| Dimensions                   | Unit                              | Height/Width/Depth             | mm                               | 303/998/212                         |                                  |             |                       |                       |                       |                       |                       |                       |
|                              | Packed unit                       | Height/Width/Depth             | mm                               | 322/1,101/389                       |                                  |             |                       |                       |                       |                       |                       |                       |
| Weight                       | Unit                              |                                | kg                               | 12                                  |                                  |             |                       |                       |                       |                       |                       |                       |
|                              | Packed unit                       |                                | kg                               | 16                                  |                                  |             |                       |                       |                       |                       |                       |                       |
| Packing                      | Weight                            |                                | kg                               | 4                                   |                                  |             |                       |                       |                       |                       |                       |                       |
| Heat exchanger               | Length                            |                                | mm                               | 610                                 |                                  |             |                       |                       |                       |                       |                       |                       |
|                              | Rows                              | Quantity                       |                                  | 2                                   |                                  |             |                       |                       |                       |                       |                       |                       |
|                              | Fin pitch                         |                                | mm                               | 1.2                                 |                                  |             |                       |                       |                       |                       |                       |                       |
|                              | Stages                            | Quantity                       |                                  | 18                                  |                                  |             |                       |                       |                       |                       |                       |                       |
|                              | Tube type                         |                                | Ø6,35 Hi-XB                      |                                     |                                  |             |                       |                       |                       |                       |                       |                       |
|                              | Fin                               | Type                           |                                  | Multi slit fin                      |                                  |             |                       |                       |                       |                       |                       |                       |
| Air filter                   | Type                              |                                |                                  | Removable / washable / mildew proof |                                  |             |                       |                       |                       |                       |                       |                       |
| Fan                          | Type                              |                                |                                  | Cross flow fan                      |                                  |             |                       |                       |                       |                       |                       |                       |
|                              | Air flow rate                     | Cooling                        | High                             | m³/min                              | 8.9                              |             | 10.9                  |                       | 8.9                   |                       | 10.9                  |                       |
|                              |                                   |                                |                                  | cfm                                 | 313                              |             | 385                   |                       | 313                   |                       | 385                   |                       |
|                              |                                   |                                | Nom.                             | m³/min                              | 6.6                              | 7.8         | 8.9                   | 6.6                   | 7.8                   | 8.9                   |                       |                       |
|                              |                                   |                                |                                  | cfm                                 | 234                              | 276         | 313                   | 234                   | 276                   | 313                   |                       |                       |
|                              |                                   |                                | Low                              | m³/min                              | 4.4                              | 4.8         | 6.8                   | 4.4                   | 4.8                   | 6.8                   |                       |                       |
|                              |                                   |                                |                                  | cfm                                 | 155                              | 168         | 239                   | 155                   | 168                   | 239                   |                       |                       |
|                              |                                   | Silent operation               | m³/min                           | 2.6                                 | 2.9                              | 3.6         | 2.6                   | 2.9                   | 3.6                   |                       |                       |                       |
|                              |                                   |                                | cfm                              | 91                                  | 102                              | 128         | 91                    | 102                   | 128                   |                       |                       |                       |
|                              |                                   | Heating                        | High                             | m³/min                              | 10.2                             | 11.0        | 12.4                  | 12.6                  | 10.2                  | 11.0                  | 12.4                  | 12.6                  |
|                              |                                   |                                |                                  | cfm                                 | 361                              | 388         | 438                   | 446                   | 361                   | 388                   | 438                   | 446                   |
|                              |                                   |                                | Nom.                             | m³/min                              | 8.4                              | 8.6         | 9.6                   | 10.5                  | 8.4                   | 8.6                   | 9.6                   | 10.5                  |
|                              |                                   |                                |                                  | cfm                                 | 298                              | 303         | 340                   | 372                   | 298                   | 303                   | 340                   | 372                   |
|                              | Low                               |                                | m³/min                           | 6.3                                 | 6.9                              | 8.1         | 6.3                   | 6.9                   | 8.1                   |                       |                       |                       |
|                              |                                   |                                | cfm                              | 223                                 | 245                              | 284         | 223                   | 245                   | 284                   |                       |                       |                       |
|                              | Silent operation                  | m³/min                         | 3.8                              | 4.1                                 | 5.0                              | 3.8         | 4.1                   | 5.0                   |                       |                       |                       |                       |
| cfm                          |                                   | 133                            | 144                              | 176                                 | 133                              | 144         | 176                   |                       |                       |                       |                       |                       |
| Fan motor                    | Model                             |                                |                                  | KFD-280-40-8G1                      |                                  |             |                       |                       |                       |                       |                       |                       |
|                              | Speed                             | Steps                          |                                  | 5 + silent, + auto                  |                                  |             |                       |                       |                       |                       |                       |                       |
|                              |                                   | Cooling                        | High/Medium/Low/Silent operation | rpm                                 | 1,440/1,140/840/600              |             | 1,710/1,300/890/640   | 1,710/1,440/1,160/740 | 1,440/1,140/840/600   |                       | 1,710/1,300/890/640   | 1,710/1,440/1,160/740 |
|                              |                                   |                                |                                  | Heating                             | High/Medium/Low/Silent operation | rpm         | 1,620/1,380/1,100/760 | 1,720/1,400/1,100/760 | 1,910/1,540/1,180/800 | 1,940/1,660/1,330/920 | 1,620/1,380/1,100/760 | 1,720/1,400/1,100/760 |
| Output                       | Rated                             |                                | W                                |                                     |                                  |             |                       |                       |                       |                       |                       |                       |
| Sound power level            | Cooling                           |                                | dBA                              | 54                                  | 59                               | 60          | 54                    | 59                    | 60                    |                       |                       |                       |
|                              | Heating                           |                                | dBA                              | 56                                  | 59                               | 60          | 56                    | 59                    | 60                    |                       |                       |                       |
| Sound pressure level         | Cooling                           | High/Nom./Low/Silent operation | dBA                              | 38/32/25/19                         |                                  | 45/34/26/20 | 46/40/35/32           | 38/32/25/19           |                       | 45/34/26/20           | 46/40/35/32           |                       |
|                              | Heating                           | High/Nom./Low/Silent operation | dBA                              | 40/34/28/19                         | 41/34/28/19                      | 45/37/29/20 | 47/41/35/32           | 40/34/28/19           | 41/34/28/19           | 45/37/29/20           | 47/41/35/32           |                       |
| Control systems              | Infrared remote control           |                                |                                  | ARC466A9                            |                                  |             |                       |                       |                       |                       |                       |                       |
| Temperature control          | Microcomputer control             |                                |                                  |                                     |                                  |             |                       |                       |                       |                       |                       |                       |
| Air direction control        | Right, Left, Horizontal, Downward |                                |                                  |                                     |                                  |             |                       |                       |                       |                       |                       |                       |

## 2 Specifications

- Standard Accessories : Operation manual; Quantity : 1;
- Standard Accessories : Installation manual; Quantity : 1;
- Standard Accessories : Infrared remote control; Quantity : 1;
- Standard Accessories : Batteries; Quantity : 2;
- Standard Accessories : Remote control holder; Quantity : 1;
- Standard Accessories : Fixing screws for mounting plate; Quantity : 5;
- Standard Accessories : Mounting plate; Quantity : 1;
- Standard Accessories : Titanium apatite photocatalytic air purification filter; Quantity : 2;
- Standard Accessories : Fixing screw for remote controller holder; Quantity : 2;
- Standard Accessories : Indoor unit fixing screws; Quantity : 2;
- Standard Accessories : Screw cover; Quantity : 2;
- Standard Accessories : Wlan adapter kit;
- Standard Accessories : Titanium apatite filters; Quantity : 2;

| 2-2 Electrical Specifications |                                      |         |    | FTXJ20MS | FTXJ25MS | FTXJ35MS | FTXJ50MS | FTXJ20MW | FTXJ25MW | FTXJ35MW | FTXJ50MW |
|-------------------------------|--------------------------------------|---------|----|----------|----------|----------|----------|----------|----------|----------|----------|
| Power supply                  | Name                                 |         |    | V1       |          |          |          |          |          |          |          |
|                               | Phase                                |         |    | 1~       |          |          |          |          |          |          |          |
|                               | Frequency                            |         | Hz | 50       |          |          |          |          |          |          |          |
|                               | Voltage                              |         | V  | 220-240  |          |          |          |          |          |          |          |
| Current                       | Nominal running current (RLA) - 50Hz | Cooling | A  | 0.12     |          | 0.16     |          | 0.12     |          | 0.16     |          |
|                               |                                      | Heating | A  | 0.15     | 0.16     | 0.21     | 0.22     | 0.15     | 0.16     | 0.21     | 0.22     |

### Notes

SL: The silent fan level of the air flow rate setting

# 3 Options

## 3 - 1 Options

FTXJ-MW  
FTXJ-MS

| Option kit   | FTXJ-MW_S  | Remark |
|--|------------|--------|
| Wired remote control   | BRC073A1   |        |
| Extension cord for wired remote control (3m)                     | BRCW901A03 |        |
| Extension cord for wired remote control (5m)                     | BRCW901A08 |        |
| Centralised control board (up to 5 rooms)                        | KRC72A     |        |
| Wiring adaptor (normal open contact - normal open pulse contact) | KRP413AB1S |        |
| Interface adaptor for DIII-NET                                   | KRP928BB2S |        |
| Central remote control   | DCS302CA51 |        |
| Unified ON/OFF controller  | DCS301BA51 |        |
| Schedule timer   | DST301BA51 |        |
| Titanium apatite photocatalytic air-purifying filter with frame  | KAF970AA6  | ①      |
| Anti-theft protection for remote control                         | KKF910AA4  |        |

Notes

- 1. R32 models

Legend

- ① Three-dimensional knitted fabric (42x255mm) + activated charcoal net

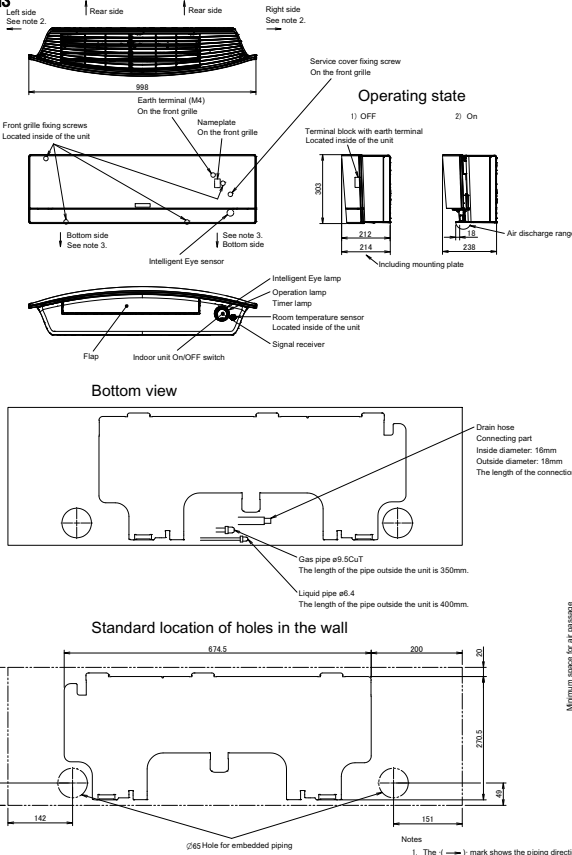
3D095173C

# 4 Dimensional drawings

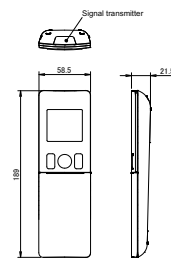
## 4 - 1 Dimensional Drawings

4

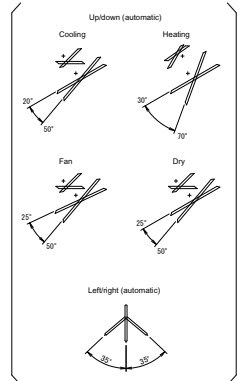
### FTXJ20-35MW FTXJ20-35MS



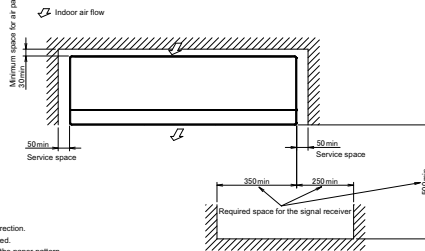
### Wireless remote control (ARC466A8)



### Blade angle

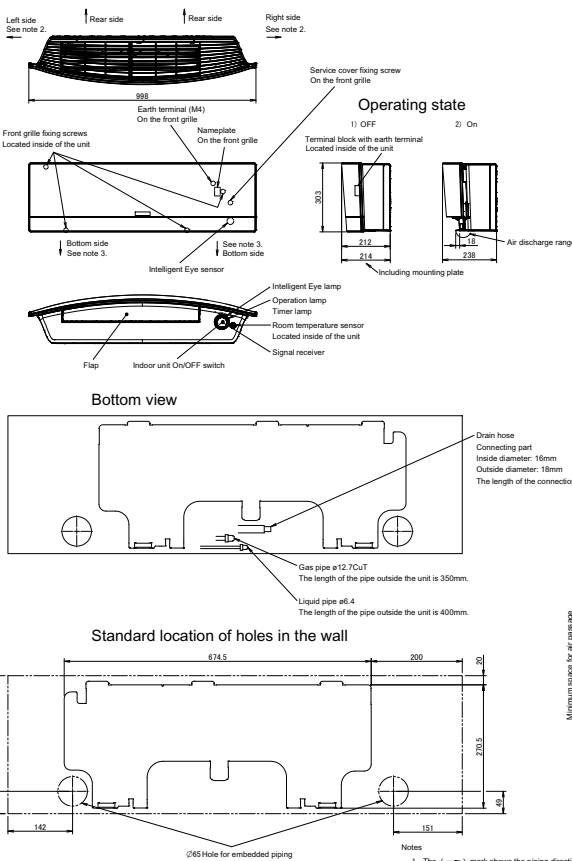


### Required space for service and ventilation

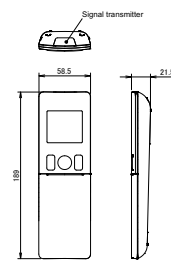


2D092462A

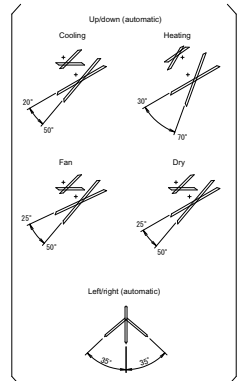
### FTXJ50MW FTXJ50MS



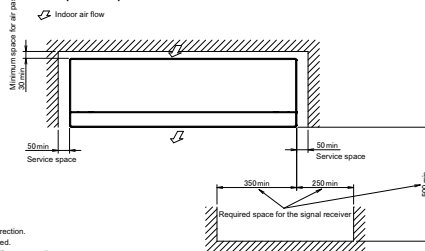
### Wireless remote control (ARC466A8)



### Blade angle



### Required space for service and ventilation



2D092503A

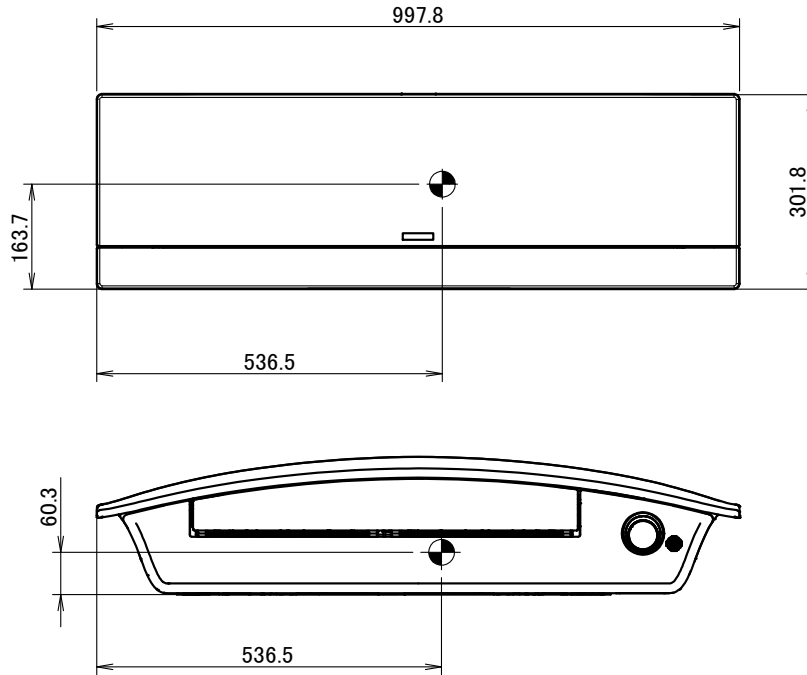
6



## 5 Centre of gravity

### 5 - 1 Centre of Gravity

FTXJ-MW  
FTXJ-MS

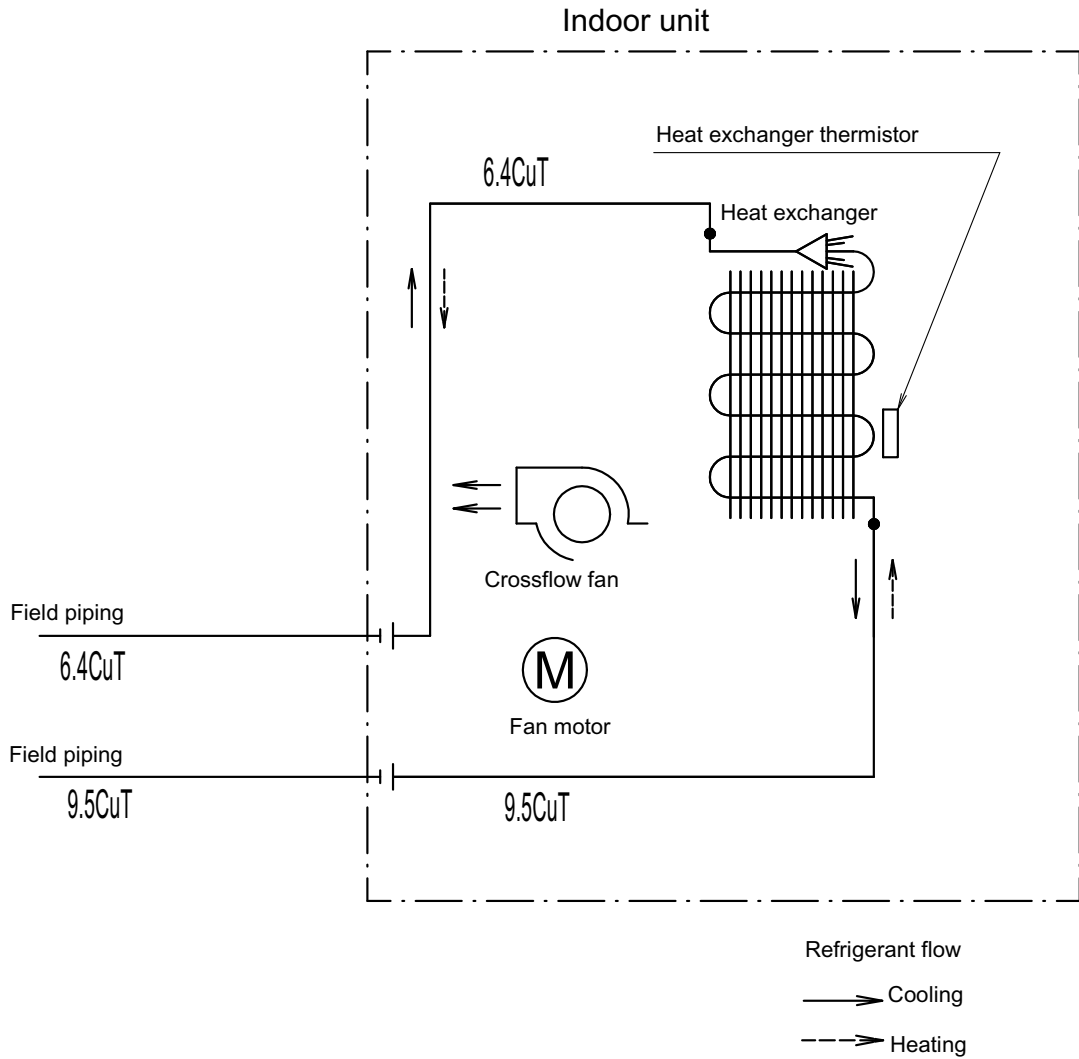


4D086660D

## 6 Piping diagrams

### 6 - 1 Piping Diagrams

FTXJ20-35MW  
FTXJ20-35MS

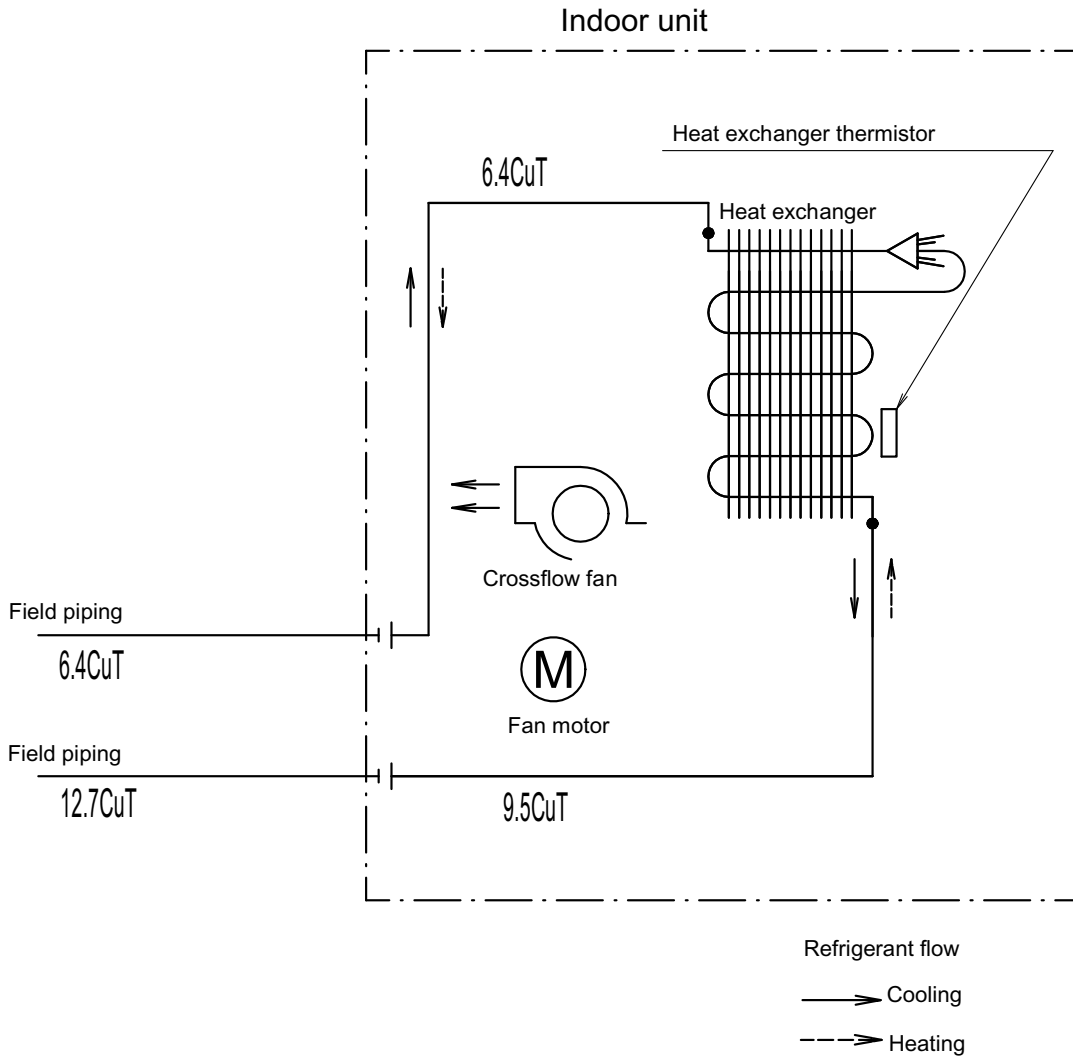


4D085645D

# 6 Piping diagrams

## 6 - 1 Piping Diagrams

FTXJ50MW  
FTXJ50MS



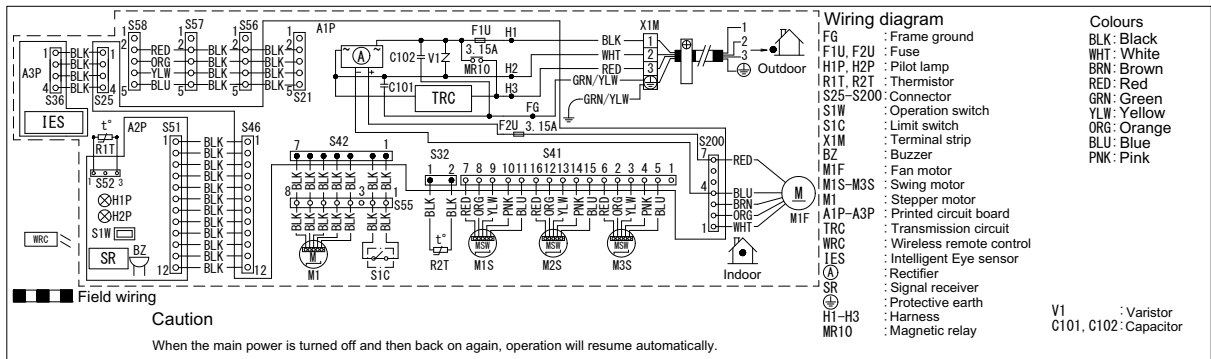
4D092075A

# 7 Wiring diagrams

## 7 - 1 Wiring Diagrams - Single Phase

7

FTXJ-MW  
FTXJ-MS



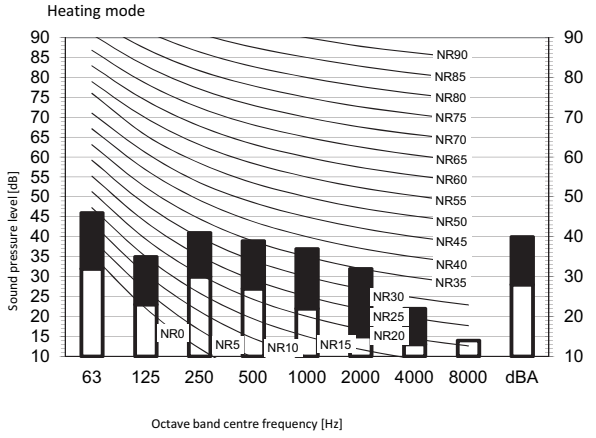
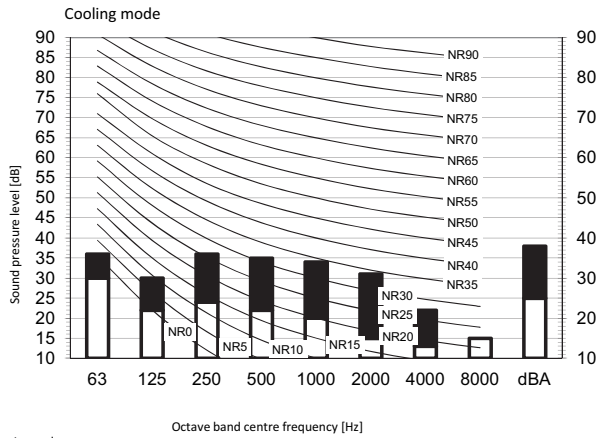
Notes  
1. Size: length 62 X width 210.  
2. Refer to purchasing specification AS303002, unless otherwise specified.

3D085644G

# 8 Sound data

## 8 - 1 Sound Pressure Spectrum

**FTXJ20MW**  
**FTXJ20MS**



Legend

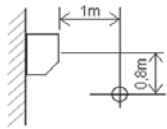
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



| Cooling |    | Total dB |  |
|---------|----|----------|--|
| A       | B  | C        |  |
| dBA     | 38 | 25       |  |

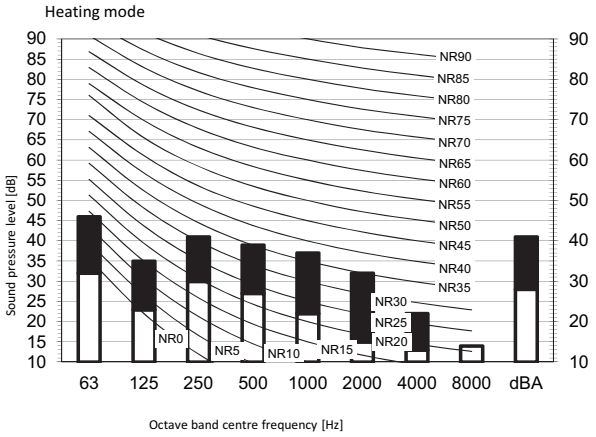
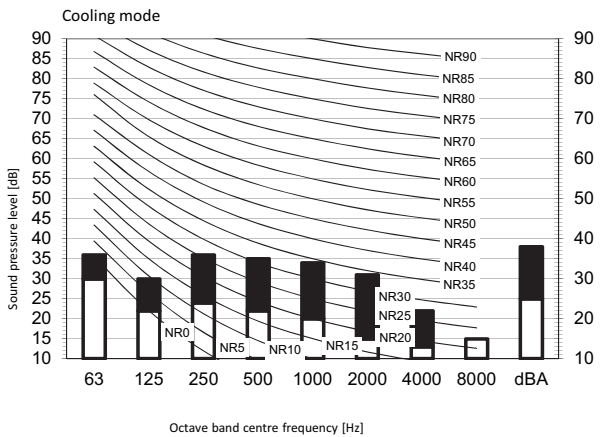
| Heating |    | Total dB |  |
|---------|----|----------|--|
| A       | B  | C        |  |
| dBA     | 40 | 28       |  |

Notes

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

3D092362A

**FTXJ25MW**  
**FTXJ25MS**



Legend

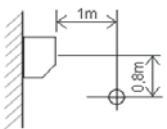
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



| Cooling |    | Total dB |  |
|---------|----|----------|--|
| A       | B  | C        |  |
| dBA     | 38 | 25       |  |

| Heating |    | Total dB |  |
|---------|----|----------|--|
| A       | B  | C        |  |
| dBA     | 41 | 28       |  |

Notes

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

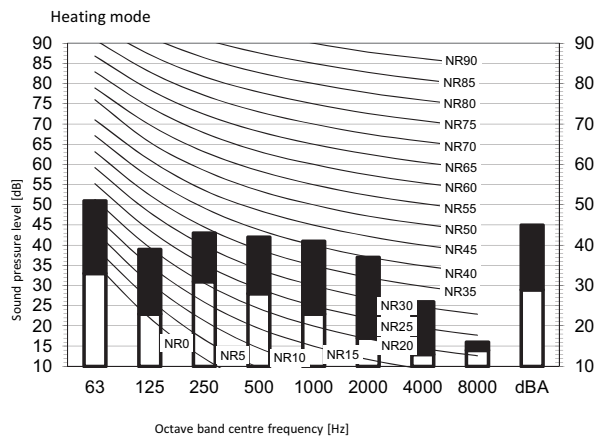
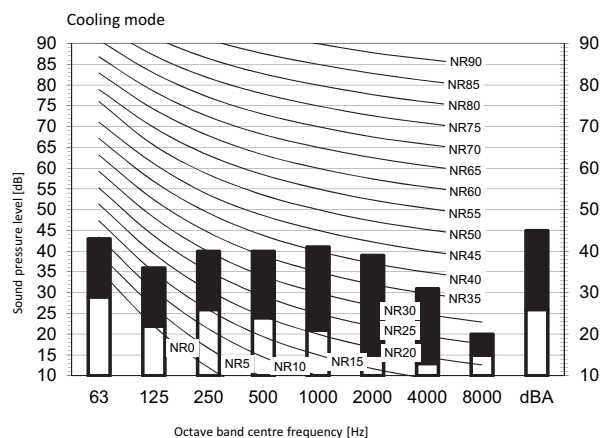
3D092361A

# 8 Sound data

## 8 - 1 Sound Pressure Spectrum

8

FTXJ35MW  
FTXJ35MS

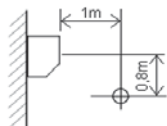


Legend

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

A Scale  
B High-tap  
C Low-tap

Location of microphone



| Cooling |    |    | Total dB |   |   |
|---------|----|----|----------|---|---|
| A       | B  | C  | A        | B | C |
| dBA     | 45 | 26 |          |   |   |

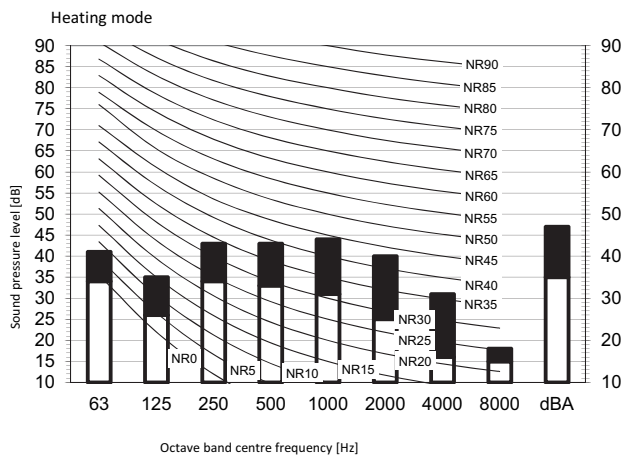
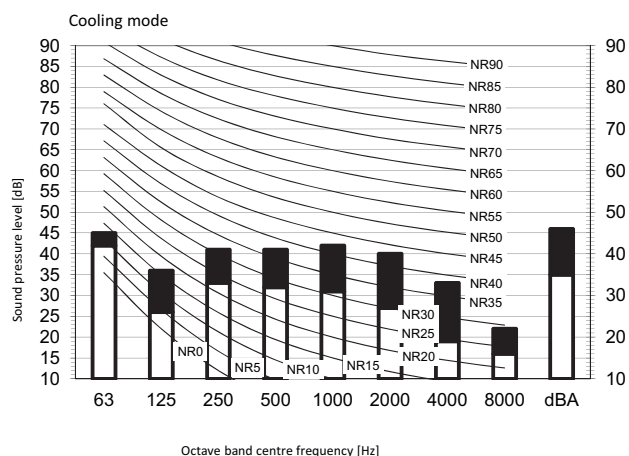
| Heating |    |    | Total dB |   |   |
|---------|----|----|----------|---|---|
| A       | B  | C  | A        | B | C |
| dBA     | 45 | 29 |          |   |   |

Notes

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

3D092359A

FTXJ50MW  
FTXJ50MS

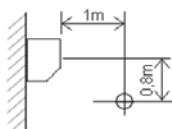


Legend

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

A Scale  
B High-tap  
C Low-tap

Location of microphone



| Cooling |    |    | Total dB |   |   |
|---------|----|----|----------|---|---|
| A       | B  | C  | A        | B | C |
| dBA     | 46 | 35 |          |   |   |

| Heating |    |    | Total dB |   |   |
|---------|----|----|----------|---|---|
| A       | B  | C  | A        | B | C |
| dBA     | 47 | 35 |          |   |   |

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

3D092360A





Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU), Fan coil units (FCU) and variable refrigerant flow systems (VRF) Check ongoing validity of certificate online: [www.eurovent-certification.com](http://www.eurovent-certification.com) or using: [www.certiflash.com](http://www.certiflash.com)

The present leaflet 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 leaflet 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 leaflet. All content is copyrighted by Daikin Europe N.V.

BARCODE

Daikin products are distributed by: