



Air Conditioning Technical Data

Floor standing unit with radiant heat panel



EEEDEN14-100

FVXG-K

TABLE OF CONTENTS

FVXG-K

| | | |
|---|--------------------------------------|----|
| 1 | Features | 2 |
| 2 | Specifications | 3 |
| | Technical Specifications | 3 |
| | Electrical Specifications | 4 |
| 3 | Options | 5 |
| 4 | Dimensional drawings | 6 |
| 5 | Centre of gravity | 7 |
| 6 | Piping diagrams | 8 |
| 7 | Wiring diagrams | 9 |
| | Wiring Diagrams - Single Phase | 9 |
| 8 | Sound data | 10 |
| | Sound Pressure Spectrum | 10 |

1 Features

1

- The aluminium part of the front panel of the Nexura indoor unit has the capability of warming up, just like a traditional radiator, to add even more comfort on cold days
- Quiet and discrete, Nexura offers you the best in heating and cooling, in comfort and design
- The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 22dB(A) in cooling and 19dB(A) in radiant heat mode. In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- Comfortable vertical auto swing ensures draughtfree operation and prevents ceiling soiling
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- Can be installed against a wall or recessed
- Its low height enables the unit to fit perfectly beneath a window
- Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis



Energy efficiency



Econo mode



Night set mode



Fan only



Radiant heat



Powerful mode



Auto cooling-heating changeover



Whisper quiet



Indoor unit silent operation



Outdoor unit silent operation



Vertical auto swing



Auto fan speed



Fan speed steps



Dry programme



Titanium apatite photocatalytic air purification filter



Auto-restart



Self diagnosis



Multi model application



VRV for residential application

2 Specifications

| 2-1 Technical Specifications | | | | FVXG25K | FVXG35K | FVXG50K | |
|------------------------------|---------------|--|----------------------------------|----------------------------|---------------------|-------------------------|-------------------------|
| Power input - 50Hz | Cooling | Nom. | kW | 0.019 | 0.210 | 0.032 | |
| | Heating | Nom. | kW | 0.022 | 0.02 | 0.035 | |
| Casing | Colour | | | Fresh white (6.5Y 9.5/0.5) | | | |
| Dimensions | Unit | Height/Width/Depth | mm | 600/950/215 | | | |
| | Packed unit | Height/Width/Depth | mm | 761/1,030/314 | | | |
| Weight | Unit | | kg | 22 | | | |
| | Packed unit | | kg | 28 | | | |
| Packing | Weight | | kg | 6 | | | |
| Heat exchanger | Length | | mm | 665 | | | |
| | Rows | Quantity | | 2 | | | |
| | Fin pitch | | mm | 1.2 | | | |
| | Stages | Quantity | | 18 | | | |
| | Tube type | | ø6.35 Hi-XU tube | | | | |
| | Fin | Type | | Multi slit fin | | | |
| Fan | Type | | | Cross flow fan | | | |
| | Air flow rate | Cooling | High | m³/min | 8.9 | 9.1 | 10.6 |
| | | | | cfm | 314 | 321 | 374 |
| | | | Nom. | m³/min | 8.9 | 9.1 | 10.3 |
| | | | | cfm | 314 | 321 | - |
| | | | Low | m³/min | 5.3 | | 7.3 |
| | | | | cfm | 187 | | 258 |
| | | Silent operation | m³/min | 4.5 | | 6.0 | |
| | | | cfm | 159 | | 212 | |
| | | Heating | High | m³/min | 9.9 | 10.2 | 12.2 |
| | | | | cfm | 349 | 360 | 431 |
| | | | Nom. | m³/min | 7.8 | 8.0 | 10.0 |
| | | | | cfm | 275 | 282 | 353 |
| | Low | | m³/min | 5.7 | 5.8 | 7.8 | |
| cfm | | | 201 | 205 | 275 | | |
| Silent operation | m³/min | 4.7 | 5.0 | 6.8 | | | |
| | cfm | 166 | 177 | 240 | | | |
| Fan motor | Model | | | KFD-280-40-8H | | | |
| | Speed | Steps | | 5 + silent, + auto | | | |
| | | Cooling | High/Medium/Low/Silent operation | rpm | 1,350/1,140/940/850 | 1,390/1,170/950/860 | 1,630/1,440/1,250/1,100 |
| | Heating | High/Medium/Low/Silent operation | rpm | 1,430/1,190/950/840 | 1,470/1,210/960/870 | 1,700/1,450/1,200/1,080 | |
| | Output | High | | W | | | |
| Sound power level | Cooling | / | dBA | 52 | | 58 | |
| | Heating | / | dBA | 53 | | 60 | |
| Sound pressure level | Cooling | High/Nom./Low/Silent operation | dBA | 38/32/26/23 | 39/33/27/24 | 44/40/36/32 | |
| | Heating | Super high/High/Nom./Low/Silent operation/Radiant heat | dBA | -/39/32/26/22/19 | -/40/33/27/23/19 | -/46/40/34/30/26 | |
| Refrigerant | Type | | | R-410A | | | |
| Piping connections | Liquid | OD | | 6 | | | |
| | Gas | OD | | 9.50 | | 12.70 | |
| | Drain | | | 18 | | | |

2 Specifications

| 2-1 Technical Specifications | | FVXG25K | FVXG35K | FVXG50K |
|------------------------------|------|-------------------------------------|---------|---------|
| Temperature control | | Microcomputer control | | |
| Air direction control | | Right, left, upwards | | |
| Air filter | Type | Removable / washable / mildew proof | | |

Standard Accessories : Insulation sheet; Quantity : 2;

Standard Accessories : Drain hose; Quantity : 1;

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Installation plate; Quantity : 1;

Standard Accessories : Thermal insulation (thermal insulation tube); Quantity : 1;

Standard Accessories : Batteries; Quantity : 2;

Standard Accessories : Titanium apatite photocatalytic air purification filter; Quantity : 2;

Standard Accessories : Remote control holder; Quantity : 1;

Standard Accessories : Wireless remote control; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 1;

| 2-2 Electrical Specifications | | | | FVXG25K | FVXG35K | FVXG50K |
|-------------------------------|--------------------------------------|---------|--|--------------------------------|--------------------------------|--------------------------------|
| Power supply | Name | | | V1 | | |
| | Phase | | | 1~ | | |
| | Frequency | | Hz | 50 | | |
| | Voltage | | V | 220-240 | | |
| Current | Nominal running current (RLA) - 50Hz | Cooling | A | 0.10 (1) / 0.09 (2) / 0.09 (3) | 0.11 (1) / 0.10 (2) / 0.10 (3) | 0.17 (1) / 0.16 (2) / 0.15 (3) |
| | | Heating | A | 0.11 (1) / 0.11 (2) / 0.10 (3) | 0.12 (1) / 0.12 (2) / 0.11 (3) | 0.18 (1) / 0.17 (2) / 0.17 (3) |
| Wiring connections - 50Hz | For power supply | Remark | 3 for power supply, 4 for interunit wiring (Earth wire included) | | | |

Notes

(1) 220V

(2) 230V

(3) 240V

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

(5) When connected to a multi outdoor unit, the sound pressure level in silent operation and radiant heat equals above values + 1dB.

3 Options

3 - 1 Options

FVXG-K

Indoor Units - Control systems

| | | FVXG25K | FVXG35K | FVXG50K |
|--|---------------|---------|---------------|---------|
| Wired remote control (3) | | | BRC944 | |
| Cord for wired remote control | 3m | | BRCV901A03 | |
| | 8m | | BRCV901A08 | |
| Wiring adapter normal open contact / normal open pulse contact | | | KBP413A1S (1) | |
| Centralised control board | Up to 5 rooms | | KRC72 (2) | |
| Anti-theft protection for remote control | | | KKF910A4 | |
| Central remote controller | | | DCS302CS1 | |
| Unified ON/OFF control | | | DCS301B51 | |
| Schedule timer | | | DST301B51 | |
| Interface adapter for DIM-net | | | KRP928A2S | |
| Online controller | | | KKRP01A | |
| External mounting kit for online controller | | | KKRPM01A | |
| Wifi power cable for online controller | | | KKRPW01A | |
| Touch LCD wall controller (4) | | | KBRC01A | |
| Single wall controller (4) | | | KBRC301A | |
| KNX gateway | | | KJC-DD | |

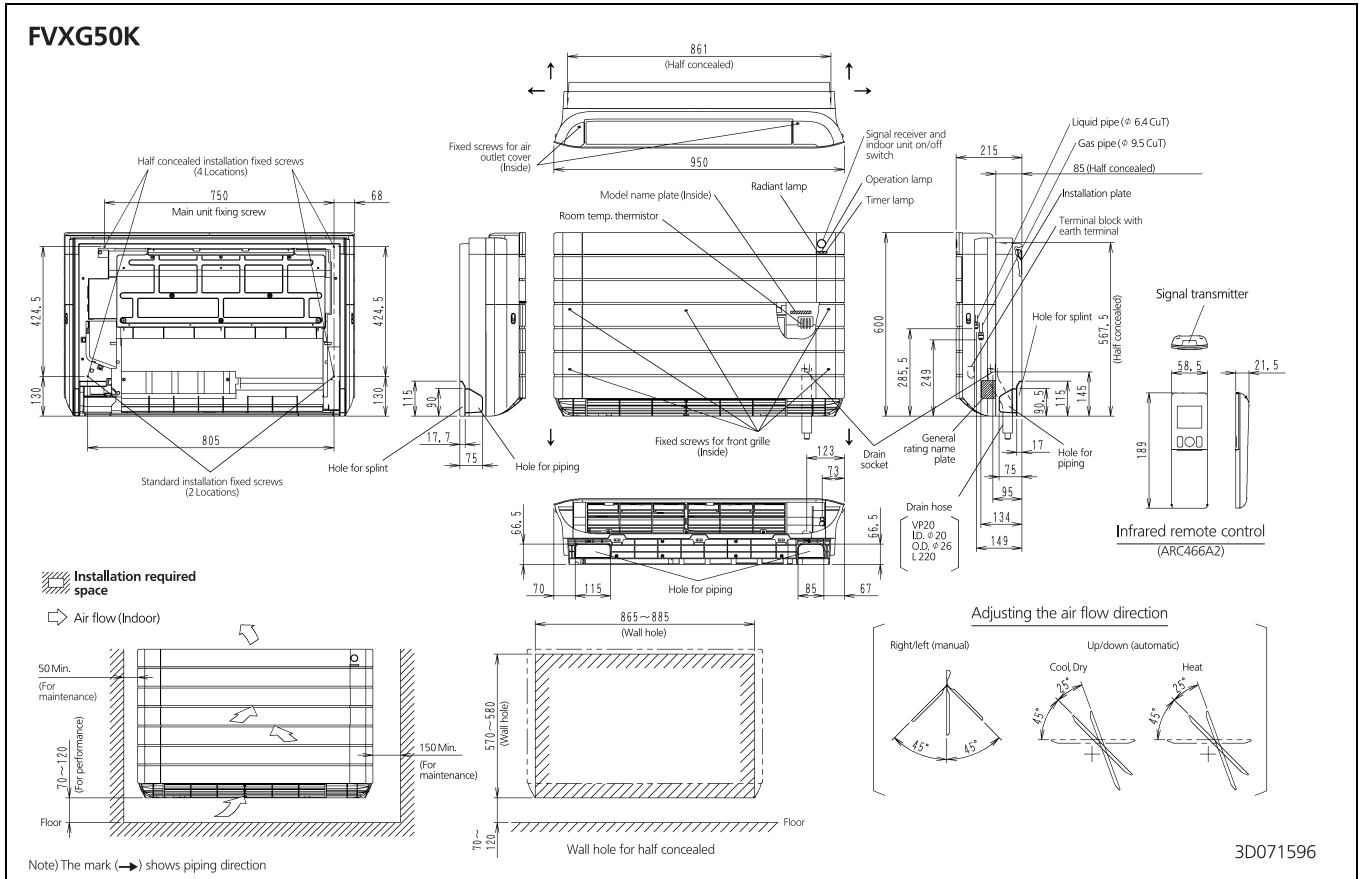
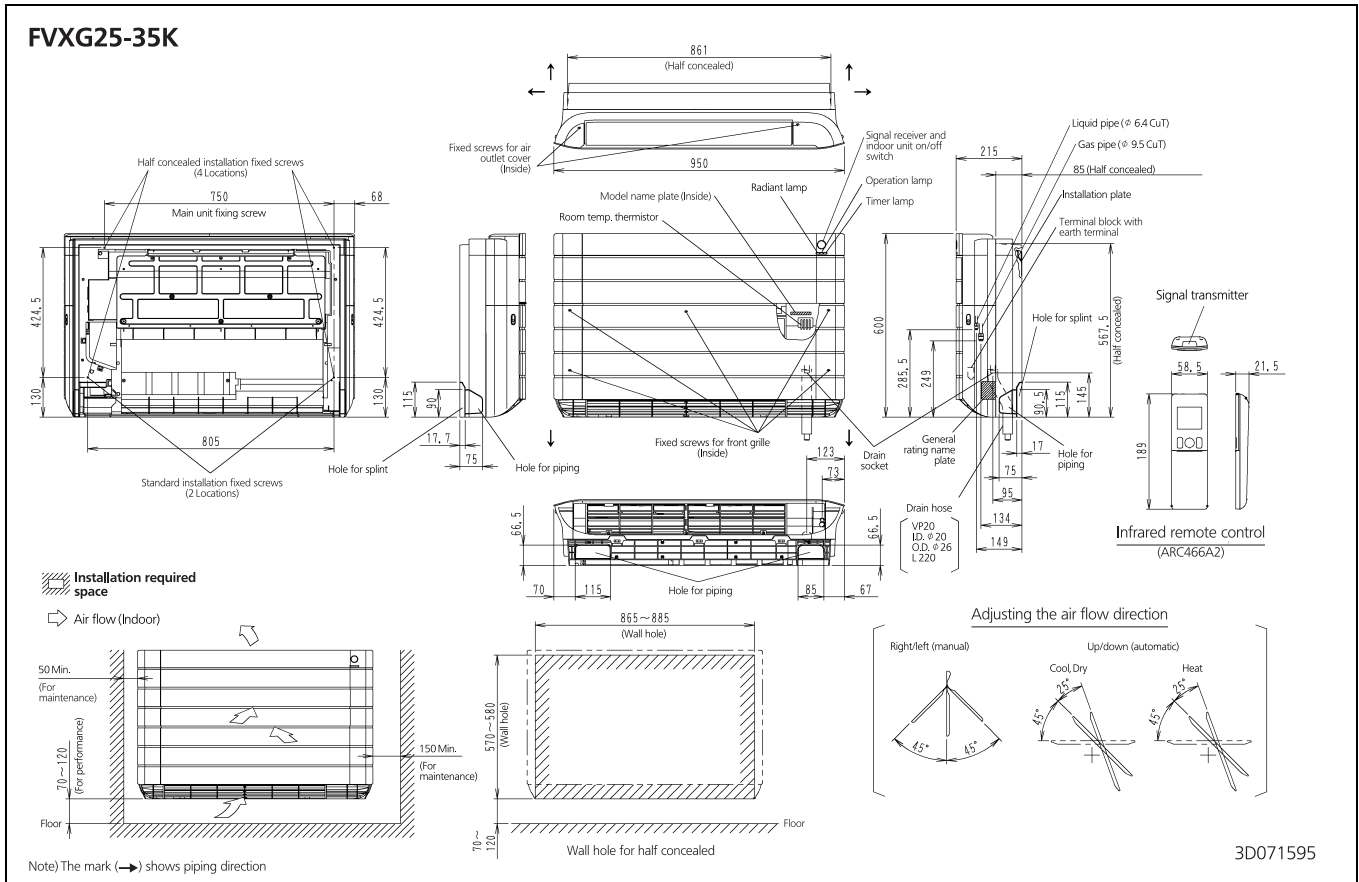
(1) Wiring adapter supplied by Daikin. Time clock and other devices: to be purchased locally.
 (2) Wiring adapter is also required for each indoor unit.
 (3) Cord for wired remote control BRCV901A03 or BRCV901A08 required.
 (4) Can only be used in combination with online controller KKRPM01A.

Indoor Units

| | FVXG25K | FVXG35K | FVXG50K |
|------------------|---------|---------|---------|
| Installation leg | | BKS028 | |

4 Dimensional drawings

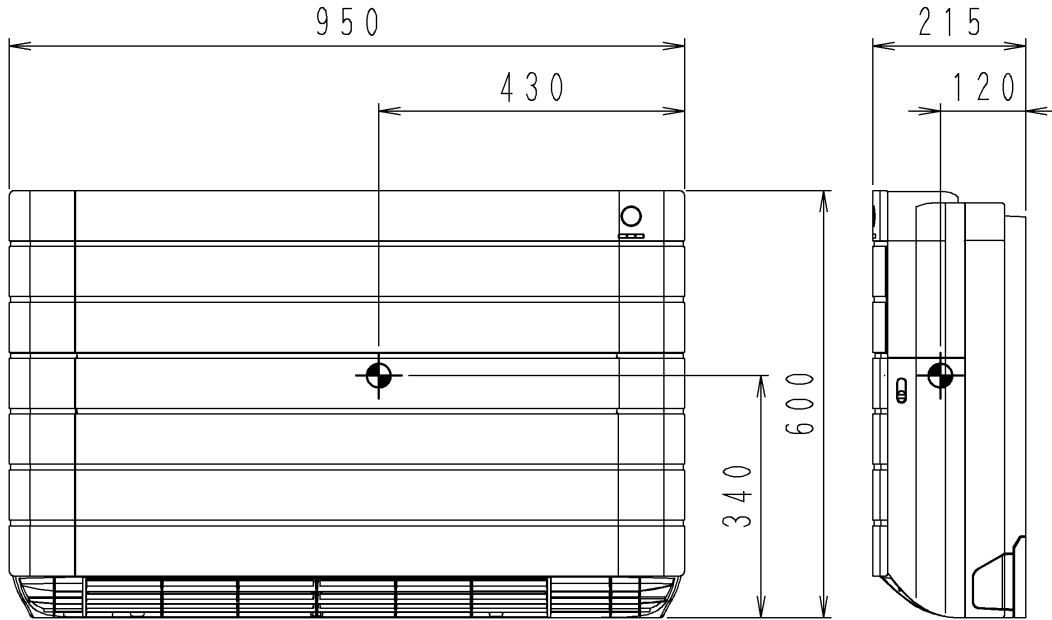
4 - 1 Dimensional Drawings



5 Centre of gravity

5 - 1 Centre of Gravity

FVXG25-50K



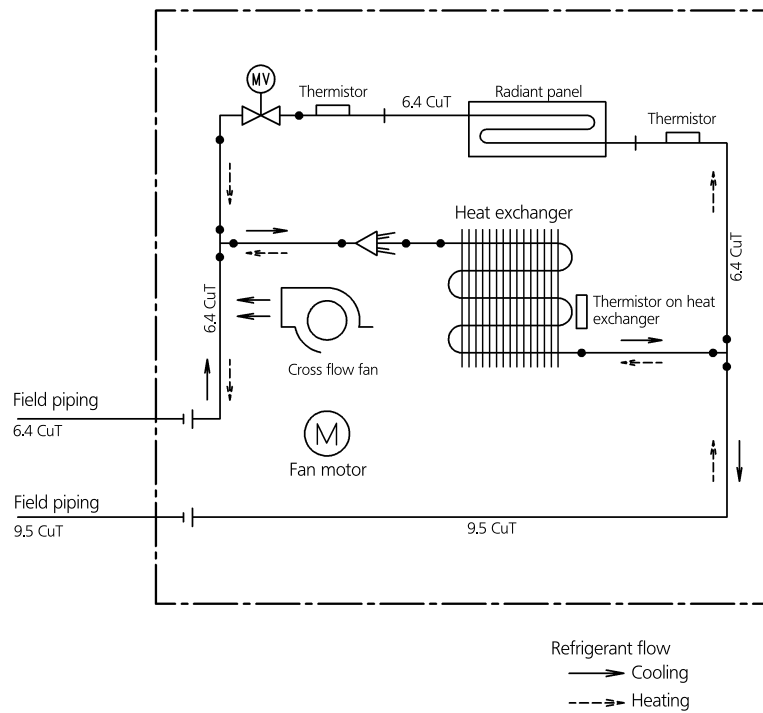
4D071599

6 Piping diagrams

6 - 1 Piping Diagrams

6

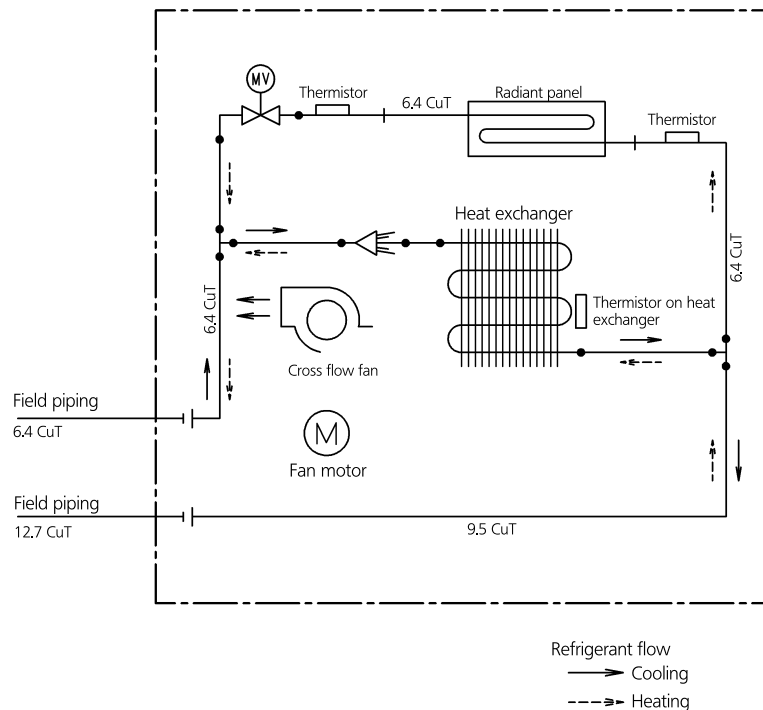
FVXG25-35K



Refrigerant flow
 —> Cooling
 - - -> Heating

4D071597

FVXG50K



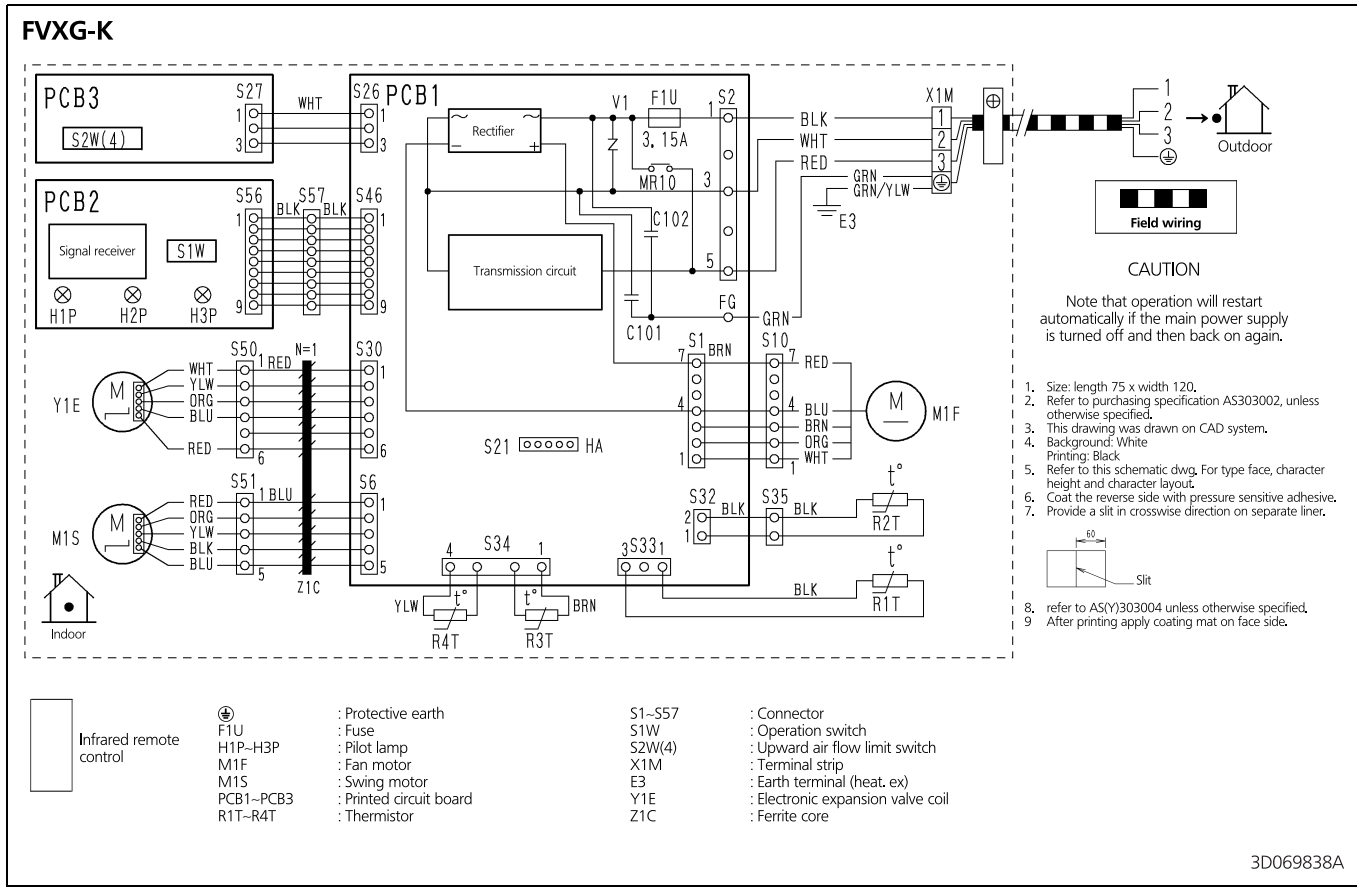
Refrigerant flow
 —> Cooling
 - - -> Heating

4D071598

8

7 Wiring diagrams

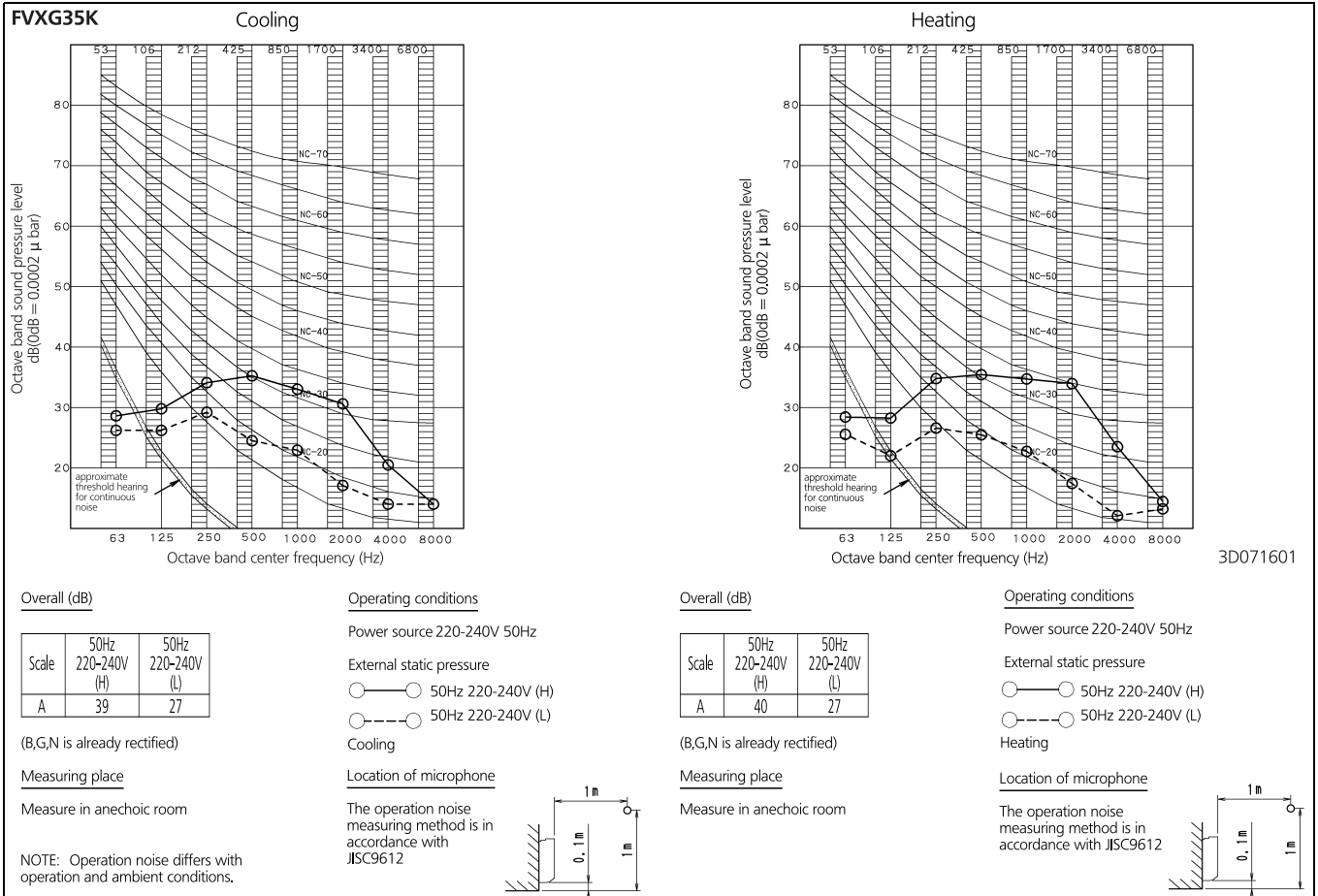
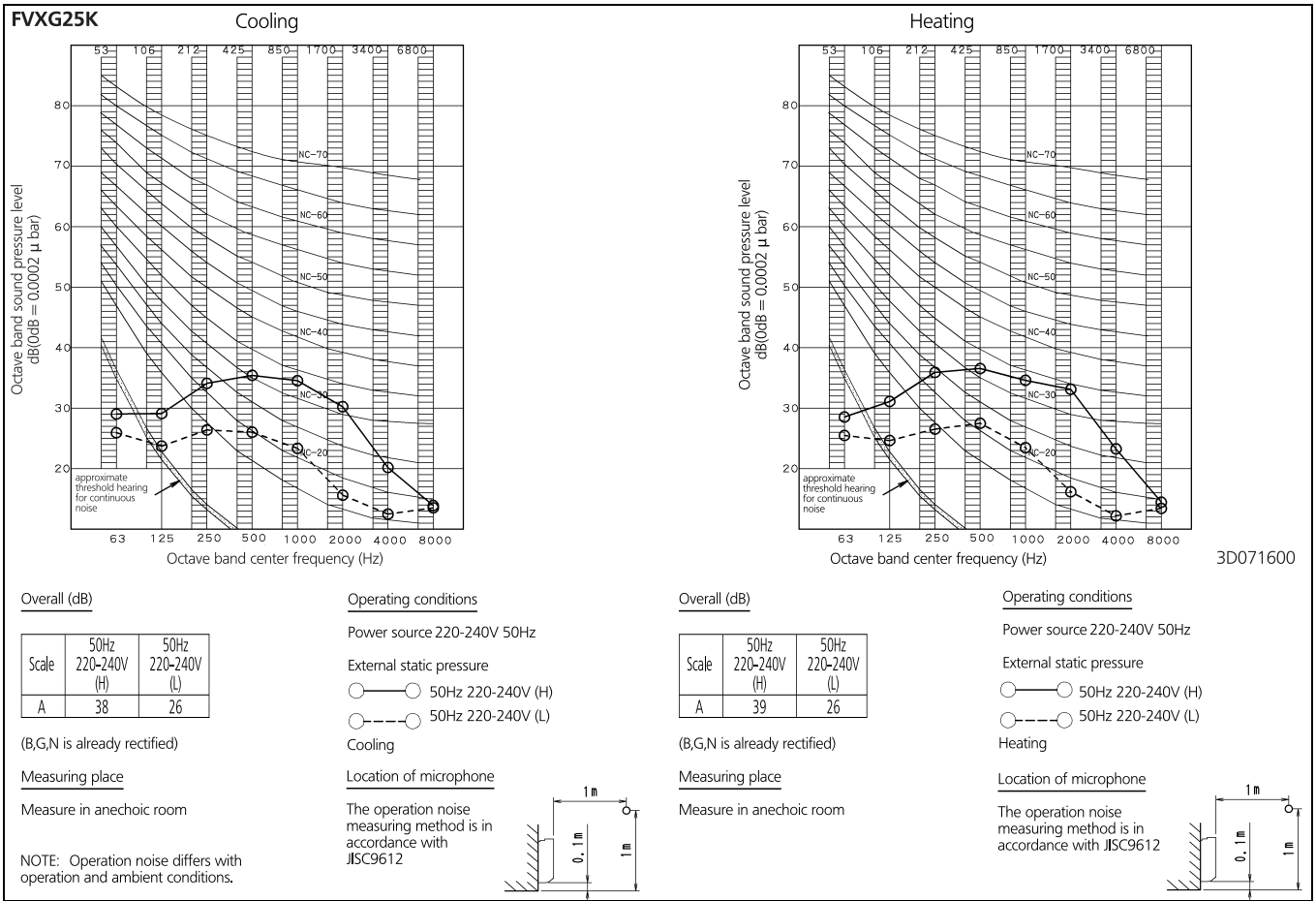
7 - 1 Wiring Diagrams - Single Phase



8 Sound data

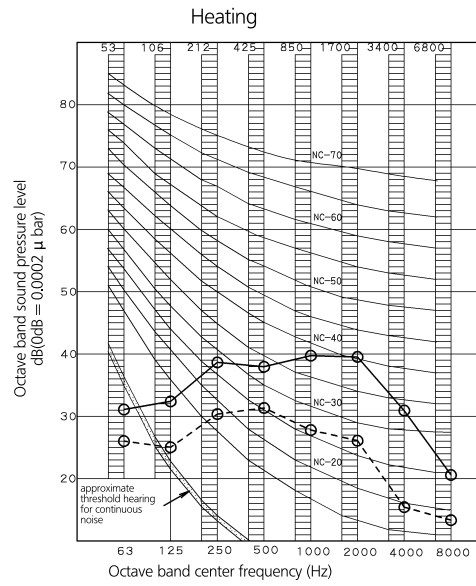
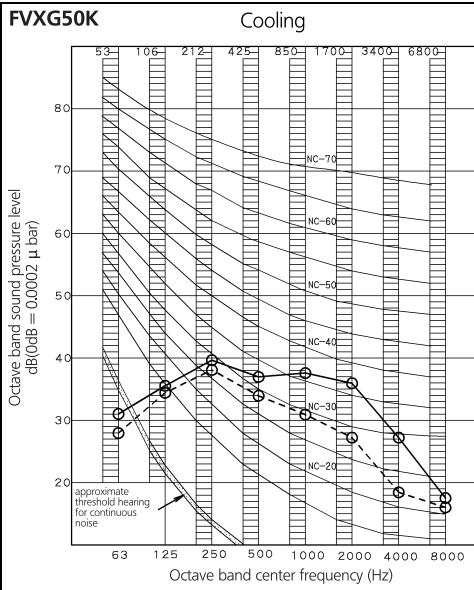
8 - 1 Sound Pressure Spectrum

8



8 Sound data

8 - 1 Sound Pressure Spectrum



3D071602

Overall (dB)

| Scale | 50Hz 220-240V (H) | 50Hz 220-240V (L) |
|-------|-------------------------|-------------------------|
| A | 44 | 36 |

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

NOTE: Operation noise differs with operation and ambient conditions.

Operating conditions

Power source 220-240V 50Hz

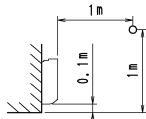
External static pressure

- 50Hz 220-240V (H)
- - -○ 50Hz 220-240V (L)

Cooling

Location of microphone

The operation noise measuring method is in accordance with JISC9612



Overall (dB)

| Scale | 50Hz 220-240V (H) | 50Hz 220-240V (L) |
|-------|-------------------------|-------------------------|
| A | 46 | 34 |

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

Operating conditions

Power source 220-240V 50Hz

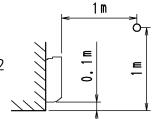
External static pressure

- 50Hz 220-240V (H)
- - -○ 50Hz 220-240V (L)

Heating

Location of microphone

The operation noise measuring method is in accordance with JISC9612





Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU). Check on-going validity of certificate online: www.eurovent-certification.com or using: 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: