



technical data



FTXR-EV1B9

R-410A

air conditioning systems

Split
Sky Air

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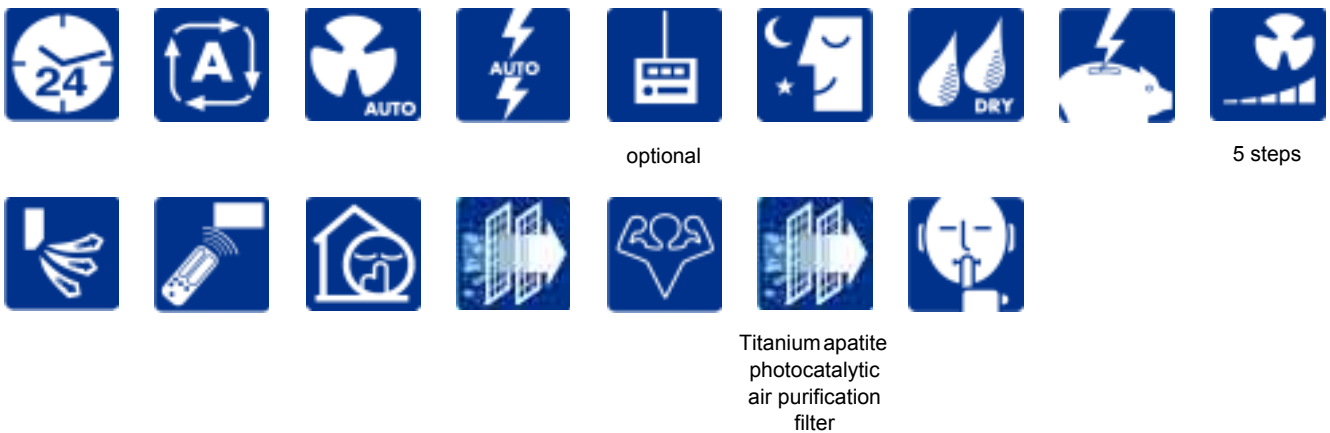
FTXR-EV1B9

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1 Features

- URURU humidification: maintains a comfortable humidity level without any separate water supply
- SARARA dehumidification: maintains a comfortable and fresh indoor environment by removing moisture from the air without lowering the temperature
- Energy efficient: full range A class labels (EER = 5.00/COP = 5.14)
- Powerful ventilation: refreshes the room within 2 hours
- Powerful air purification: increases indoor air quality with Daikin Flash Streamer technology
- Comfortable air flow
- Stylish design
- Other features: moisturizing operation mode, breeze cooling air flow, comfort sleep operation, mould shock operation

1



2 Specifications

| 2-1 FOR INDOOR UNITS ONLY | | | FTXR28EV1B9 | FTXR42EV1B9 | FTXR50EV1B9 |
|-----------------------------|---------|----|-------------|-------------|-------------|
| Nominal input (Indoor only) | Cooling | kW | 0.030 | 0.035 | 0.040 |
| | Heating | kW | 0.030 | 0.035 | 0.040 |

| 2-2 TECHNICAL SPECIFICATIONS | | | | FTXR28EV1B9 | FTXR42EV1B9 | FTXR50EV1B9 | |
|------------------------------|-----------------|------------------|------------------|--------------------------------|-------------|----------------|----|
| Casing | Colour | | | White | | | |
| Dimensions | Packing | Height | mm | 280 | 280 | 280 | |
| | | Width | mm | 956 | 956 | 956 | |
| | | Depth | mm | 378 | 378 | 378 | |
| | Unit | Height | mm | 209 | 209 | 209 | |
| | | Width | mm | 890 | 890 | 890 | |
| | | Depth | mm | 305 | 305 | 305 | |
| Weight | Unit | | kg | 14 | 14 | 14 | |
| | Packed Unit | | kg | 18 | 18 | 18 | |
| Heat Exchanger | Dimensions | Length | | 700/700 | | | |
| | | Nr of Rows | | 2/1 | | | |
| | | Fin Pitch | | 1.2/1.6 | | | |
| | | Nr of Stages | | 20/12 | | | |
| | Tube type | | ø6.35 Hi-XU | | | | |
| Fin | | Type | | | | Multi slit fin | |
| Fan | Type | | | Cross flow fan (with saw edge) | | | |
| | Quantity | | | 1 | | | |
| Air Flow Rate | Cooling | High | m³/min | 11.1 | 12.4 | 13.3 | |
| | | Medium | m³/min | 8.8 | 9.6 | 10.3 | |
| | | Low | m³/min | 6.5 | 6.8 | 7.3 | |
| | | Silent Operation | m³/min | 5.7 | 6.0 | 6.5 | |
| | Heating | High | m³/min | 12.4 | 12.9 | 14.0 | |
| | | Medium | m³/min | 9.8 | 10.2 | 11.1 | |
| | | Low | m³/min | 7.3 | 7.7 | 8.3 | |
| | | Silent Operation | m³/min | 6.5 | 6.8 | 7.3 | |
| Fan | Motor | Model | | KFD-280-57-8A | | | |
| | | Number of steps | | 5 STEPS, SILENT AND AUTO | | | |
| Motor | Speed (cooling) | High | rpm | 1190 | 1300 | 1380 | |
| | | Medium | rpm | 990 | 1060 | 1120 | |
| | | Low | rpm | 790 | 820 | 860 | |
| | | Silent Operation | rpm | 720 | 750 | 790 | |
| | Speed (heating) | High | rpm | 1300 | 1340 | 1440 | |
| | | Medium | rpm | 1080 | 1110 | 1190 | |
| | | Low | rpm | 860 | 890 | 950 | |
| | | Silent Operation | rpm | 790 | 820 | 860 | |
| Cooling | Sound Power | Medium | dBA | 55 | 58 | 60 | |
| | | Sound Pressure | High | dBA | 39 | 42 | 44 |
| | | | Medium | dBA | 33 | 35 | 37 |
| | | | Low | dBA | 26 | 27 | 29 |
| | | | Silent Operation | dBA | 23 | 24 | 26 |
| Heating | Sound Power | Medium | dBA | 57 | 58 | 60 | |
| | | Sound Pressure | High | dBA | 41 | 42 | 44 |
| | | | Medium | dBA | 35 | 36 | 38 |
| | | | Low | dBA | 28 | 29 | 31 |
| | | | Silent Operation | dBA | 25 | 26 | 28 |
| Refrigerant | Type | | | R-410A | | | |

2 Specifications

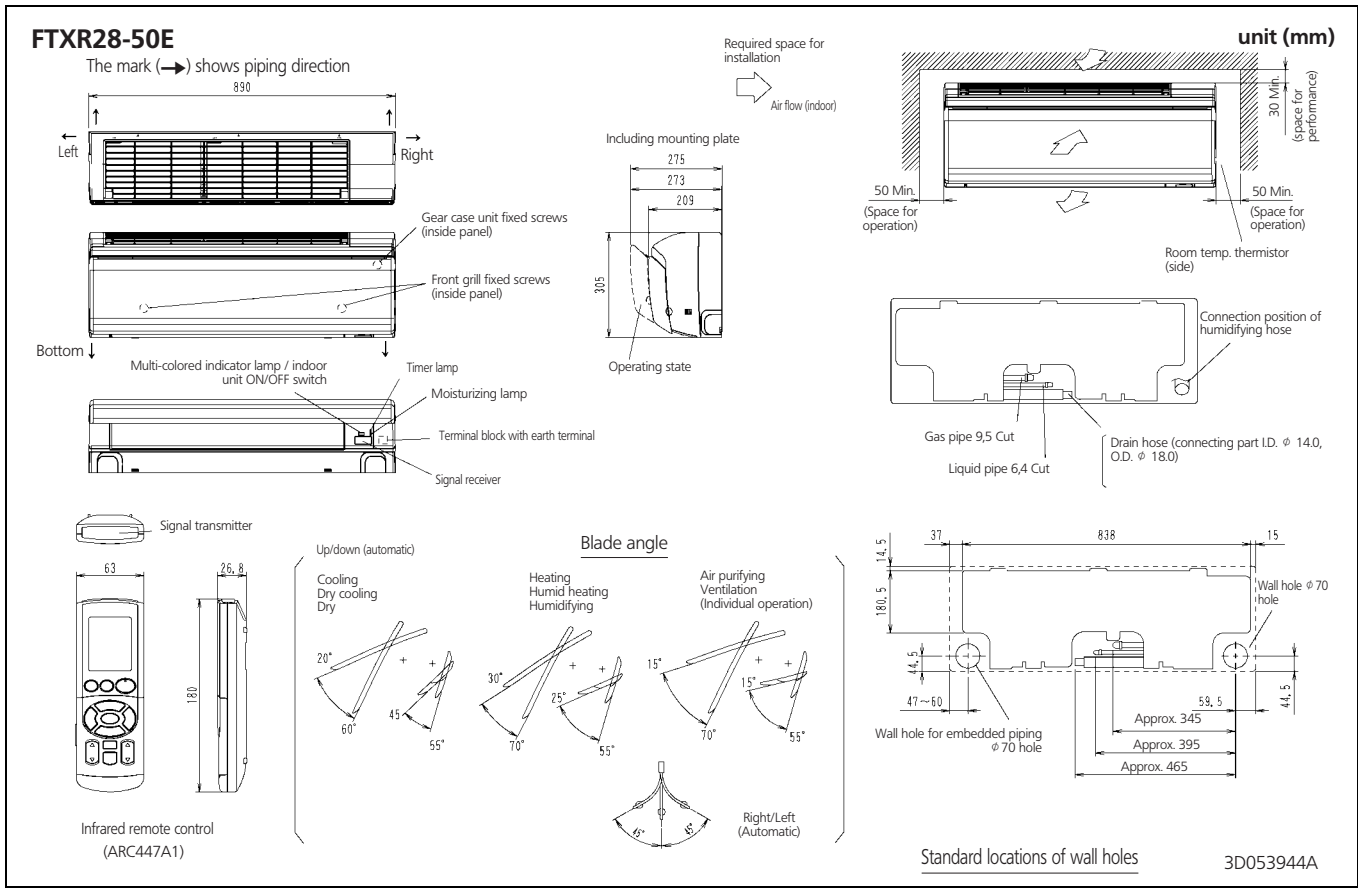
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| 2-2 TECHNICAL SPECIFICATIONS | | | | FTXR28EV1B9 | FTXR42EV1B9 | FTXR50EV1B9 |
|------------------------------|-----------------|---------------|---------------------------------|---|-------------|-------------|
| Piping connections | Liquid (OD) | Diameter (OD) | mm | 6.4 | 6.4 | 6.4 |
| | Gas | Diameter (OD) | mm | 9.5 | 9.5 | 9.5 |
| | Drain | Diameter (OD) | mm | 18 | 18 | 18 |
| | Heat Insulation | | | Both liquid and gas pipes | | |
| Air Filter | | | | Removable/washable/Mildew proof | | |
| Air direction control | | | | Right, Left, Horizontal, Downward | | |
| Temperature control | | | | Microcomputer control | | |
| Standard Accessories | Item | | | Installation manual | | |
| | Quantity | | | 1 pc. | | |
| | Item | | | Operation manual | | |
| | Quantity | | | 1 pc. | 1 pc. | 1 pc. |
| | Item | | | Batteries | | |
| | Quantity | | | 2 pcs. | | |
| | Item | | | Infrared remote control (ARC447A1) | | |
| | Quantity | | | 1 pc. | | |
| | Item | | | Remote control holder | | |
| | Quantity | | | 1 pc. | | |
| | Item | | | Fixing screw for indoor unit | | |
| | Quantity | | | 2 pcs. | | |
| | Item | | | Fixing screw for drain hose | | |
| | Quantity | | | 1 pc. | | |
| | Item | | | Air supply filter | | |
| | Quantity | | | 1 pc. | | |
| | Item | | | Air Supply filter frame | | |
| | Quantity | | | 1 set | | |
| | Item | | | Titanium apatite photocatalytic air purification filter | | |
| | Quantity | | | 1 pc. | | |
| Item | | | Deodorising filter for streamer | | | |
| Quantity | | | 1 pc. | | | |

| 2-3 ELECTRICAL SPECIFICATIONS | | | | FTXR28EV1B9 | FTXR42EV1B9 | FTXR50EV1B9 |
|-------------------------------|-------------------------------|----------|----|---|---|---|
| Power Supply | Name | | | V1 | | |
| | Phase | | | 1 | 1 | 1 |
| | Frequency | | Hz | 50 | 50 | 50 |
| | Voltage | | | 220-240 | | |
| Current | Nominal running current (RLA) | Cooling | A | 0.14 | 0.16 | 0.19 |
| | | Heating | A | 0.14 | 0.16 | 0.19 |
| | Maximum Running Current | | | A | 0.15 | 0.17 |
| Wiring connections | For Power Supply | Quantity | | 3 | 3 | 3 |
| | | Remark | | 4 FOR INTERUNIT WIRING (INCLUDING EARTH WIRING) | 4 FOR INTERUNIT WIRING (INCLUDING EARTH WIRING) | 3 FOR POWER SUPPLY, 4 for INTERUNIT WIRING (INCLUDING EARTH WIRING) |
| Voltage range | Minimum | | | -10% | | |
| | Maximum | | | +10% | | |

3 Dimensional drawing & centre of gravity

3 - 1 Dimensional drawing

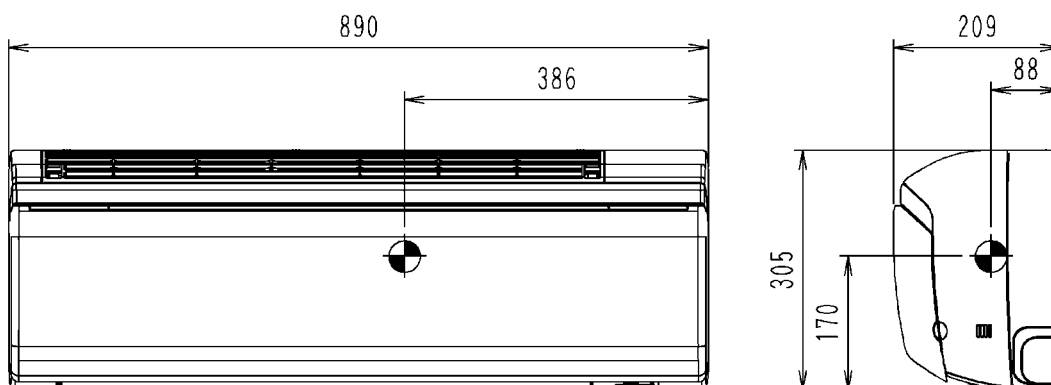


3 Dimensional drawing & centre of gravity

3 - 2 Centre of gravity

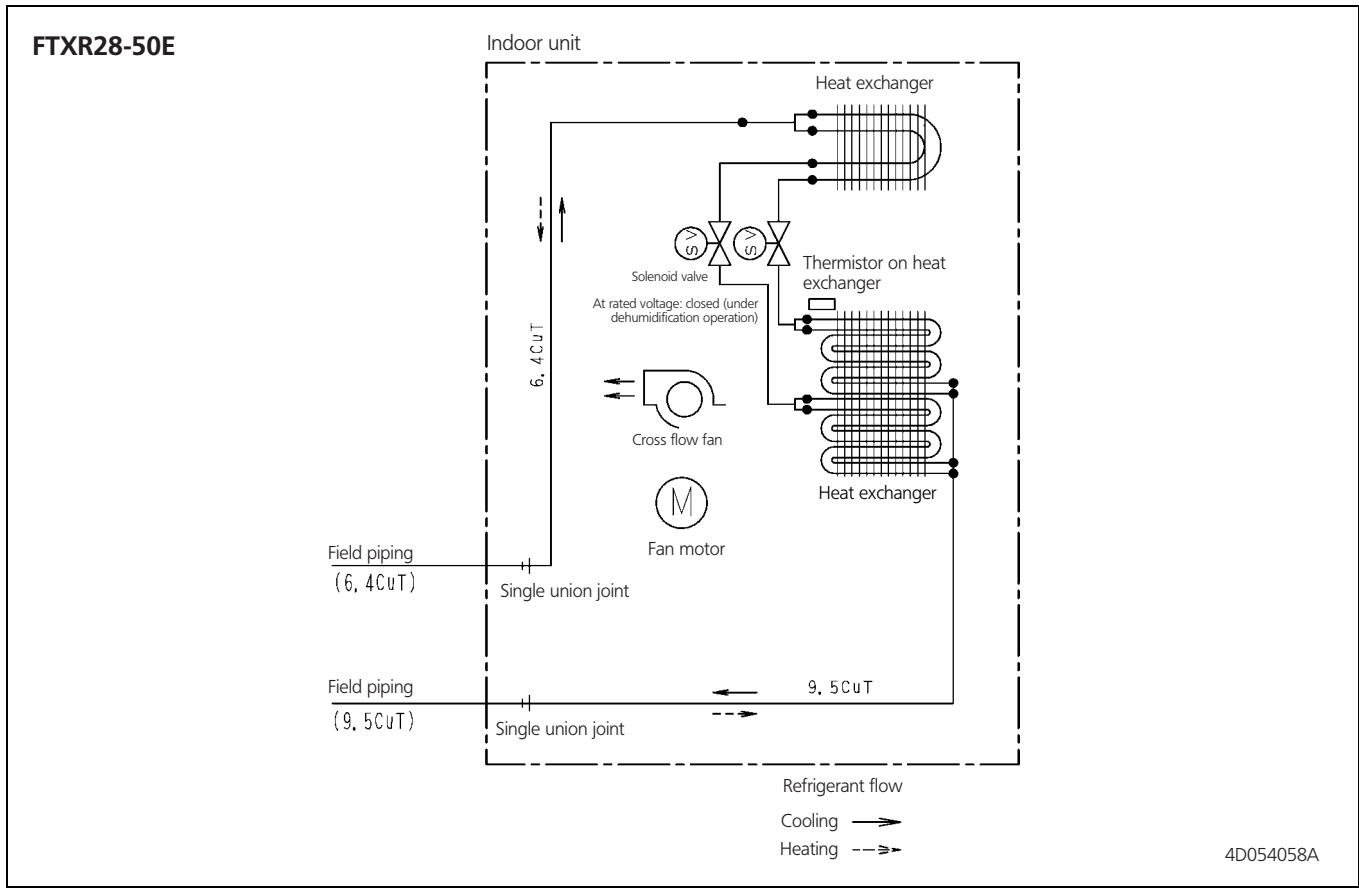
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FTXR28-50E



4D054060A

4 Piping diagram

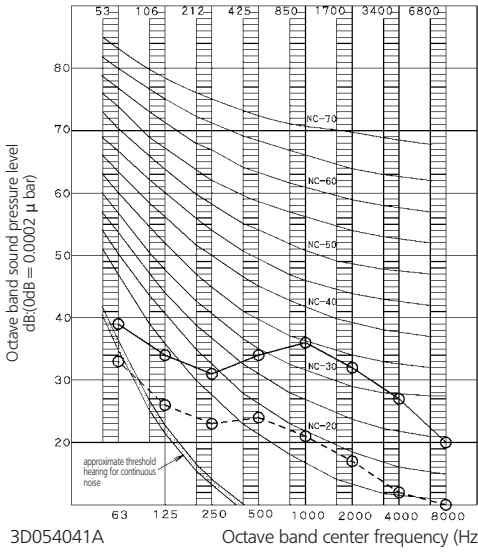


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6 Sound data

6 - 1 Sound pressure spectrum

FTXR28E (Cooling)



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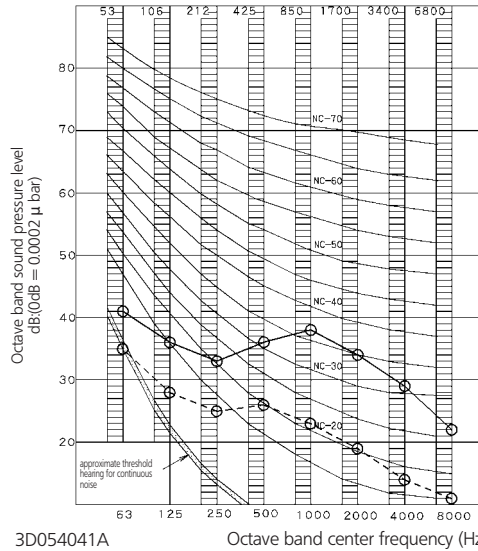
NOTE

- 1 Operation noise differs with operation and ambient conditions.
- 2 Measure in anechoic room

Legend

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

FTXR28E (Heating)



3D054041A

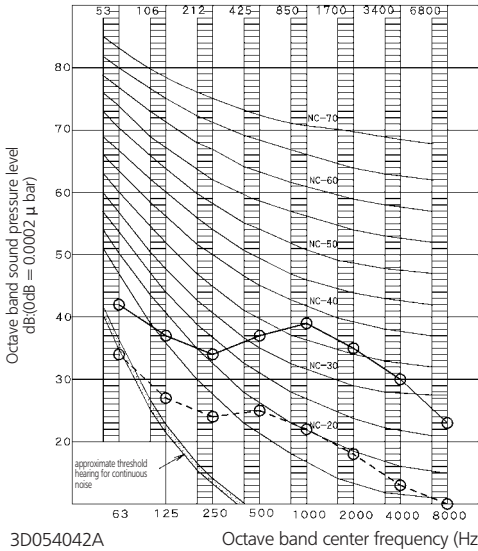
NOTE

- 1 Operation noise differs with operation and ambient conditions.
- 2 Measure in anechoic room

Legend

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

FTXR42E (Cooling)



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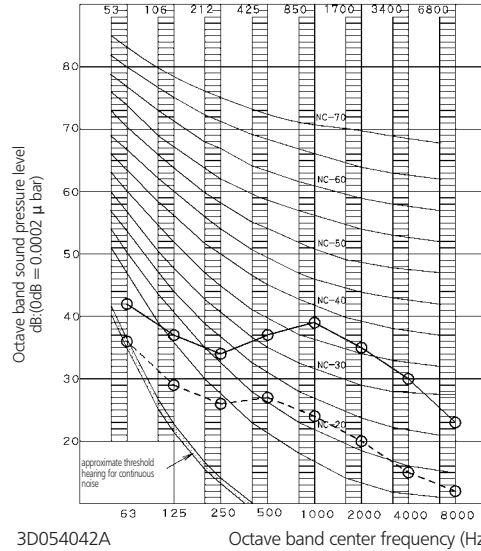
NOTE

- 1 Operation noise differs with operation and ambient conditions.
- 2 Measure in anechoic room

Legend

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

FTXR42E (Heating)



3D054042A

NOTE

- 1 Operation noise differs with operation and ambient conditions.
- 2 Measure in anechoic room

Legend

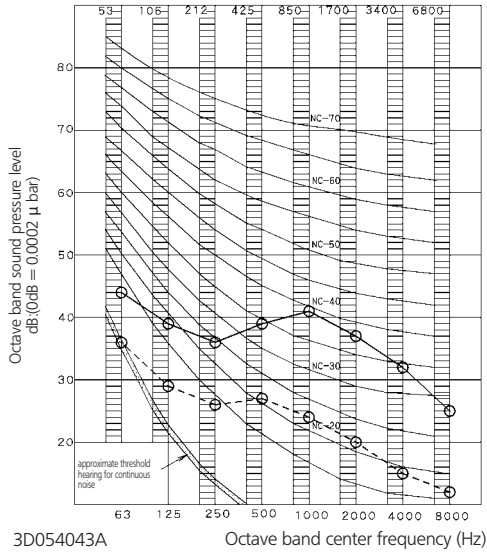
- 50Hz 220-240V (H)
- -○ 50Hz 220-240V (L)

6 Sound data

6 - 1 Sound pressure spectrum

6

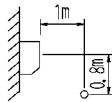
FTXR50E (Cooling)



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NOTE

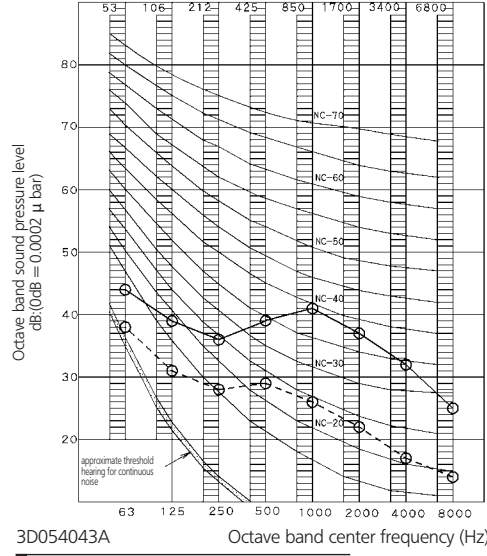
- 1 Operation noise differs with operation and ambient conditions.
- 2 Measure in anechoic room



Legend

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

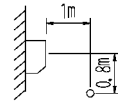
FTXR50E (Heating)



3D054043A

NOTE

- 1 Operation noise differs with operation and ambient conditions.
- 2 Measure in anechoic room



Legend

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

Split - Sky Air

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DAIKIN EUROPE N.V.

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

