

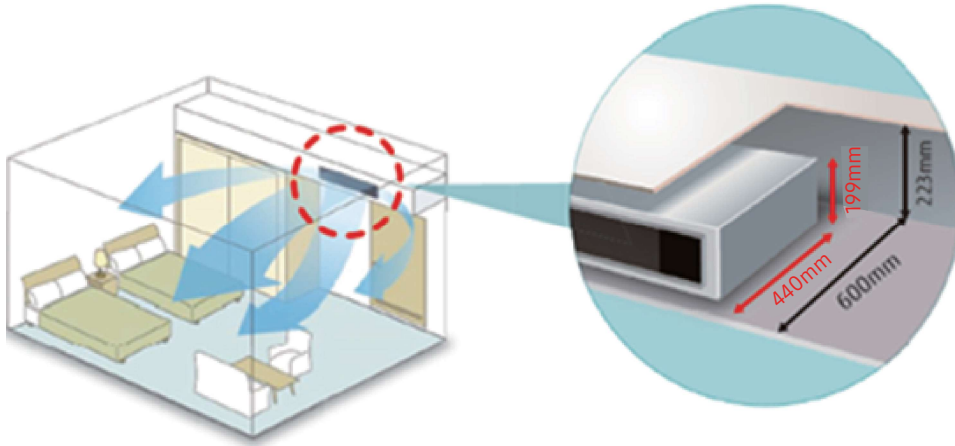
Home Duct

- 1 *Specifications*
- 2 *Summary Table*
- 3 *Capacity Table*
- 4 *Dimensional Drawing*
- 5 *Center of Gravity*
- 6 *Electrical Wiring Diagram*
- 7 *Sound data*
- 8 *Fan Characteristics*
- 9 *Piping Diagram*

Features & Benefits

Slim design of height 199mm : can easily mounted in a ceiling




Built-in drain pump with 750mm lift : increase installation speed and pipe work flexibility



| Samsung | | Compatitors | | |
|-----------|-----------|-------------|-------------|-------------|
| Old Model | New Model | "A" company | "B" company | "C" company |
| 600mm | 440mm | 450mm | 447mm | 460mm |

Line-up

Indoor unit

| Model | Capacity (kW) | | |
|-----------|---|--|---|
| | 4.5 | 5.6 | 7.1 |
| | AM045MNLDEH/EU | AM056MNLDEH/EU | AM071MNLDEH/EU |
| Home DUCT |  |  |  |

1. Specification

Home DUCT

| Type | | | | Home Duct | Home Duct | Home Duct |
|--------------------|----------------------------|--------------------|---------------------|----------------------|----------------------|--------------------|
| Model Name | | | | AM045MNLDEH/EU | AM056MNLDEH/EU | AM071MNLDEH/EU |
| Power Supply | | | Φ, #, V, Hz | 1,220~240,50 | 1,220~240,50 | 1,220~240,50 |
| Mode | | | - | HP | HP | HP |
| Performance | Capacity | Cooling | kW | 4.5 | 5.6 | 7.1 |
| | | | Btu/h | 15400 | 19100 | 24200 |
| | | Heating | kW | 5 | 6.3 | 8 |
| | | | Btu/h | 17100 | 21500 | 27300 |
| Power | Power Input | Cooling | W | 51 | 73 | 82 |
| | | Heating | | 46 | 68 | 77 |
| | Current Input | Cooling | A | 0.45 | 0.62 | 0.69 |
| | | Heating | | 0.41 | 0.58 | 0.65 |
| | Current | MCA | A | 0.56 | 0.78 | 0.86 |
| | | MFA | | 15 | 15 | 15 |
| Heat Ex-changer | Type | | - | Fin & Tube | Fin & Tube | Fin & Tube |
| | Material | Fin | - | Al | Al | Al |
| | | Tube | - | Cu | Cu | Cu |
| | Fin Treatment | | - | Green Hydrophile | Green Hydrophile | Green Hydrophile |
| Fan | Type | | - | Sirocco Fan | Sirocco Fan | Sirocco Fan |
| | Quantity | | EA | 2 | 2 | 3 |
| | Air Flow Rate | H/M/L | m ³ /min | 12.50/10.00/7.50 | 15.50/12.50/9.50 | 18.00/14.50/11.00 |
| | | | l/s | 208.33/166.67/125.00 | 258.33/208.33/158.33 | 300/241.67/183.33 |
| | External Pressure | Max. (Min/Std/Max) | mmAq | 4 (0/2/4) | 4 (0/2/4) | 4 (0/2/4) |
| | | | Pa | 39.2 (0/19.6/39.2) | 39.2 (0/19.6/39.2) | 39.2 (0/19.6/39.2) |
| Fan Motor | Model | | - | BLDC | BLDC | BLDC |
| | Output x n | | W | 84 x 1 | 84 x 1 | 84 x 1 |
| Piping Connections | Liquid Pipe | | Type | Flare connection | Flare connection | Flare connection |
| | | | Φ, mm (inch) | 6.35 (1/4) | 6.35 (1/4) | 9.52 (3/8) |
| | Gas Pipe | | Type | Flare Connection | Flare Connection | Flare Connection |
| | | | Φ, mm (inch) | 12.70 (1/2) | 12.70 (1/2) | 15.88 (5/8) |
| | Heat Insulation | | - | Both Insulation | Both Insulation | Both Insulation |
| Drain Pipe | | Φ,mm | Both Insulation | Both Insulation | Both Insulation | |
| Wiring Connection | Communication | Min. | mm ² | 0.75 | 0.75 | 0.75 |
| | | Remark | - | F1, F2 | F1, F2 | F1, F2 |
| Refrigerant | Type | | - | R410A | R410A | R410A |
| | Electronic Expansion Valve | | - | EEV INCLUDED | EEV INCLUDED | EEV INCLUDED |
| Sound | Sound Pressure Level | H/M/L | dB(A) | 32/28/25 | 34/30/26 | 34/30/27 |
| | Sound Power Level | Cooling | | 49 | 51 | 53 |

1. Specification

Home DUCT

| Type | | | Home Duct | Home Duct | Home Duct |
|------------------------|------------------------------------|--------------|---------------------|---------------------|---------------------|
| Model Name | | | AM045MNLDEH/EU | AM056MNLDEH/EU | AM071MNLDEH/EU |
| Dimensions | Net Weight | kg | 18.9 | 18.9 | 22.3 |
| | Shipping Weight | kg | 21.8 | 21.8 | 25.3 |
| | Net Dimensions (W×H×D) | mm | 900×199×440 | 900×199×440 | 1100×199×440 |
| | Shipping Dimensions (W×H×D) | mm | 1151×280×544 | 1151×280×544 | 1351×280×544 |
| Casing | Material | - | GI-SGCC | GI-SGCC | GI-SGCC |
| Drain Pump | Drain Pump | - | Drain Pump Included | Drain Pump Included | Drain Pump Included |
| | Max. lifting Height / Displacement | mm / Liter/h | 750/24 | 750/24 | 750/24 |
| Additional Accessories | Air Filter | - | Filter Included | Filter Included | Filter Included |

NOTE

- Specification may be subject to change without prior notice.
 - 1) Mode : HP(Heat Pump), HR(Heat Recovery)
 - 2) Performances are based on the following test conditions.
 - Cooling : Indoor temperature 27°C DB, 19°C WB, Outdoor temperature 35°C DB, 24°C WB
 - Heating : Indoor temperature 20°C DB, 15°C WB, Outdoor temperature 7°C DB, 6°C WB
 - Equivalent refrigerant piping length 7.5m, Level differences 0m
 - 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20uPa
 - 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW
 - Measured according to ISO 3741
 - 5) Select wire size based on the value of MCA

2. Summary Table

Home DUCT

Performance Characteristics

| Model Code | Capacity(kW) | | Fan speed | |
|----------------|--------------|---------|-----------|-------------------|
| | Cooling | Heating | Mode | CMM |
| AM045MNLDEH/EU | 4.5 | 5.0 | H / M / L | 12.50/10.00/7.50 |
| AM056MNLDEH/EU | 5.6 | 6.3 | | 15.50/12.50/9.50 |
| AM071MNLDEH/EU | 7.1 | 8.0 | | 18.00/14.50/11.00 |

Electrical Characteristics

| Indoor Unit | Power Supply (Ø, #, V, Hz) | Power Input (W) | Current Input (A) | MCA (A) | MFA (A) | FLA (A) |
|----------------|----------------------------|-----------------|-------------------|---------|---------|---------|
| AM045MNLDEH/EU | 1,2,220-240, 50Hz | 51 | 0.45 | 0.56 | 15 | 0.45 |
| AM056MNLDEH/EU | | 73 | 0.62 | 0.78 | 15 | 0.62 |
| AM071MNLDEH/EU | | 82 | 0.69 | 0.86 | 15 | 0.69 |

NOTE

- MCA : Minimum circuit amperes
- MFA: Maximum fuse amperes
- FLA: Full load amperes
- Select wire size based on the value of MCA

3. Capacity Table

Home DUCT

Cooling

TC: Total Capacity, SHC: Sensible Heat Capacity

| Capacity Index | Outdoor Air Temp. (°C, DB) | Indoor temperature | | | | | | | | | | | | | |
|----------------|----------------------------|--------------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|
| | | 20(°C, DB) | | 23(°C, DB) | | 26(°C, DB) | | 27(°C, DB) | | 28(°C, DB) | | 30(°C, DB) | | 32(°C, DB) | |
| | | 14(°C, WB) | | 16(°C, WB) | | 18(°C, WB) | | 19(°C, WB) | | 20(°C, WB) | | 22(°C, WB) | | 24(°C, WB) | |
| | | TC | SHC | TC | SHC | TC | SHC | TC | SHC | TC | SHC | TC | SHC | TC | SHC |
| 045 | 10 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.4 | 3.4 |
| | 12 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.4 | 3.4 |
| | 14 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.4 | 3.4 |
| | 16 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.1 |
| | 18 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.1 |
| | 20 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.1 |
| | 21 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.1 |
| | 23 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.1 |
| | 25 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.1 |
| | 27 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.1 |
| | 29 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.1 |
| | 31 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.1 |
| | 33 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.1 |
| | 35 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.7 | 3.3 | 5.0 | 3.3 | 5.3 | 3.1 |
| | 37 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.6 | 3.2 | 4.9 | 3.2 | 5.2 | 3.1 |
| | 39 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.5 | 3.3 | 4.6 | 3.2 | 4.9 | 3.2 | 5.1 | 3.0 |
| 42 | 3.1 | 2.7 | 3.7 | 3.1 | 4.2 | 3.2 | 4.4 | 3.3 | 4.5 | 3.2 | 4.8 | 3.1 | 5.0 | 2.9 | |
| 44 | 3.1 | 2.7 | 3.7 | 3.1 | 4.1 | 3.1 | 4.3 | 3.2 | 4.4 | 3.1 | 4.6 | 3.0 | 4.8 | 2.8 | |
| 46 | 3.1 | 2.7 | 3.7 | 3.1 | 4.0 | 3.0 | 4.2 | 3.1 | 4.3 | 3.0 | 4.5 | 2.9 | 4.7 | 2.7 | |
| 48 | 3.1 | 2.6 | 3.6 | 3.0 | 3.9 | 3.0 | 4.0 | 3.0 | 4.2 | 2.9 | 4.3 | 2.8 | 4.5 | 2.6 | |
| 056 | 10 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.3 | 4.3 | 6.7 | 4.1 |
| | 12 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.3 | 4.3 | 6.7 | 4.1 |
| | 14 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.2 | 4.2 | 6.7 | 4.1 |
| | 16 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.2 | 4.2 | 6.6 | 4.0 |
| | 18 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.2 | 4.2 | 6.6 | 4.0 |
| | 20 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.2 | 4.2 | 6.6 | 4.0 |
| | 21 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.2 | 4.2 | 6.6 | 4.0 |
| | 23 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.2 | 4.2 | 6.6 | 4.0 |
| | 25 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.2 | 4.2 | 6.6 | 4.0 |
| | 27 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.2 | 4.2 | 6.6 | 4.0 |
| | 29 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.2 | 4.2 | 6.6 | 4.0 |
| | 31 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.2 | 4.2 | 6.6 | 4.0 |
| | 33 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.2 | 4.2 | 6.6 | 4.0 |
| | 35 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.2 | 4.2 | 6.6 | 4.0 |
| | 37 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.1 | 4.1 | 6.5 | 3.9 |
| | 39 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.6 | 4.2 | 5.8 | 4.2 | 6.1 | 4.1 | 6.4 | 3.8 |
| 42 | 3.9 | 3.3 | 4.6 | 3.8 | 5.3 | 4.0 | 5.5 | 4.1 | 5.7 | 4.2 | 6.0 | 4.0 | 6.2 | 3.7 | |
| 44 | 3.9 | 3.3 | 4.6 | 3.8 | 5.1 | 3.9 | 5.3 | 4.0 | 5.6 | 4.0 | 5.8 | 3.9 | 6.0 | 3.6 | |
| 46 | 3.9 | 3.3 | 4.6 | 3.7 | 5.0 | 3.8 | 5.2 | 3.9 | 5.4 | 3.9 | 5.6 | 3.7 | 5.9 | 3.5 | |
| 48 | 3.9 | 3.2 | 4.5 | 3.7 | 5.0 | 3.7 | 5.0 | 3.8 | 5.3 | 3.8 | 5.4 | 3.6 | 5.7 | 3.3 | |
| 071 | 10 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 8.0 | 5.7 | 8.5 | 5.4 |
| | 12 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 7.9 | 5.6 | 8.5 | 5.4 |
| | 14 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 7.9 | 5.6 | 8.5 | 5.4 |
| | 16 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 7.9 | 5.6 | 8.4 | 5.3 |
| | 18 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 7.9 | 5.6 | 8.4 | 5.3 |
| | 20 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 7.9 | 5.6 | 8.4 | 5.3 |
| | 21 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 7.9 | 5.6 | 8.4 | 5.3 |
| | 23 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 7.9 | 5.6 | 8.4 | 5.3 |
| | 25 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 7.9 | 5.6 | 8.4 | 5.3 |
| | 27 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 7.9 | 5.6 | 8.4 | 5.3 |
| | 29 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 7.9 | 5.6 | 8.4 | 5.3 |
| | 31 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 7.9 | 5.6 | 8.4 | 5.3 |
| | 33 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 7.9 | 5.6 | 8.4 | 5.3 |
| | 35 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.4 | 5.6 | 7.9 | 5.6 | 8.4 | 5.3 |
| | 37 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.3 | 5.5 | 7.8 | 5.5 | 8.2 | 5.2 |
| | 39 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.1 | 5.4 | 7.3 | 5.5 | 7.7 | 5.4 | 8.1 | 5.1 |
| 42 | 4.9 | 4.3 | 5.8 | 5.0 | 6.7 | 5.2 | 7.0 | 5.3 | 7.2 | 5.4 | 7.6 | 5.3 | 7.9 | 5.0 | |
| 44 | 4.9 | 4.3 | 5.8 | 5.0 | 6.5 | 5.0 | 6.8 | 5.2 | 7.0 | 5.3 | 7.3 | 5.1 | 7.6 | 4.8 | |
| 46 | 4.9 | 4.3 | 5.7 | 5.0 | 6.4 | 4.9 | 6.6 | 5.0 | 6.8 | 5.1 | 7.0 | 4.9 | 7.4 | 4.7 | |
| 48 | 4.8 | 4.2 | 5.7 | 4.9 | 6.3 | 4.9 | 6.4 | 4.9 | 6.7 | 5.0 | 6.8 | 4.8 | 7.2 | 4.5 | |

3. Capacity Table

Home DUCT

Heating

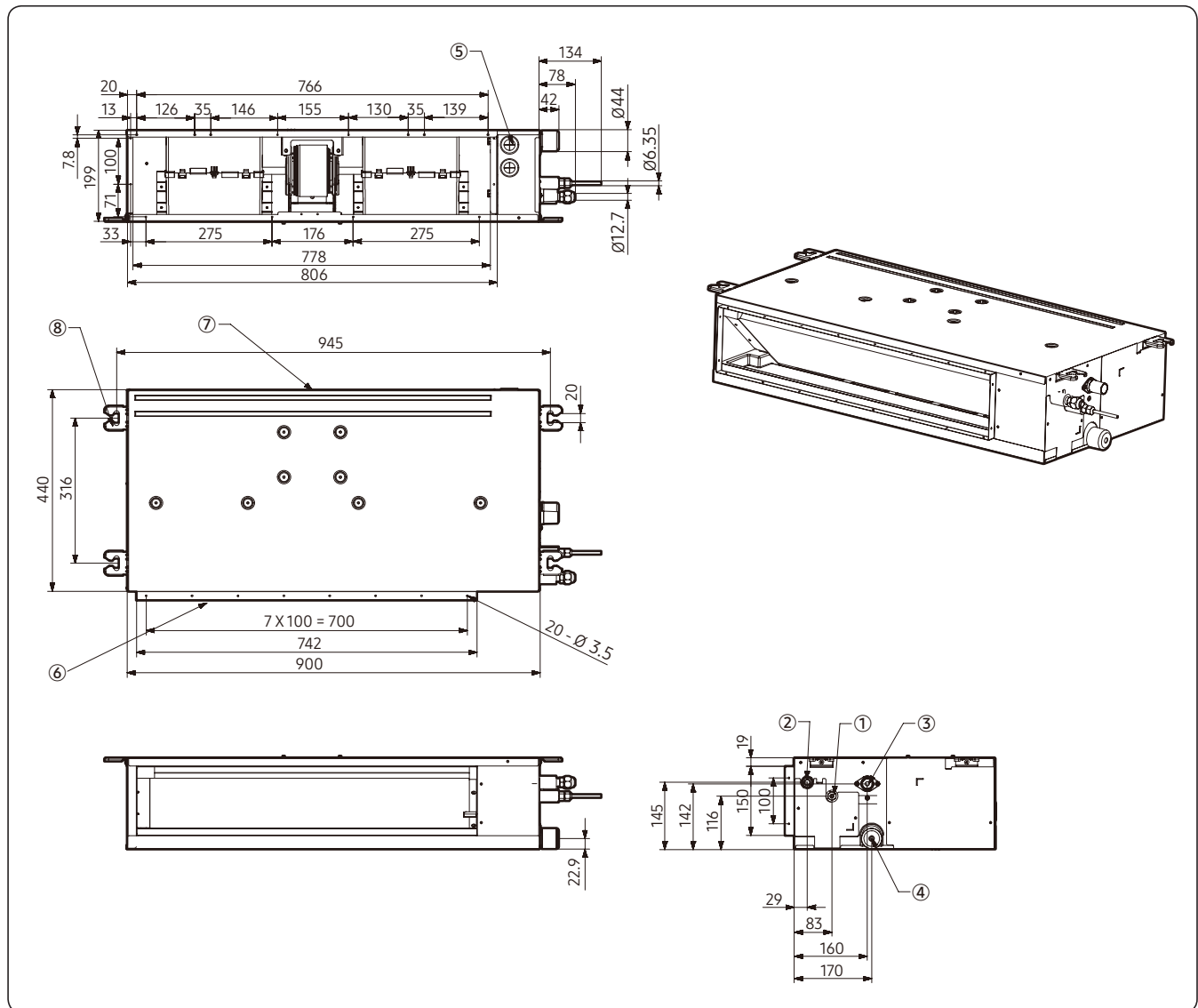
TC: Total Capacity

| Capacity Index | Outdoor Air Temp. (°C) | | Indoor temperature (°C,DB) | | | | |
|----------------|-------------------------|-------|------------------------------|-----------|-----------|-----------|-----------|
| | | | 16(°C,DB) | 18(°C,DB) | 20(°C,DB) | 22(°C,DB) | 24(°C,DB) |
| | DB | WB | TC kW | TC kW | TC kW | TC kW | TC kW |
| 045 | -19.8 | -20.0 | 3.1 | 3.1 | 2.9 | 2.9 | 2.9 |
| | -18.8 | -19.0 | 3.1 | 3.1 | 3.0 | 2.9 | 2.9 |
| | -16.7 | -17.0 | 3.2 | 3.2 | 3.1 | 3.0 | 3.0 |
| | -14.7 | -15.0 | 3.3 | 3.3 | 3.2 | 3.1 | 3.0 |
| | -12.6 | -13.0 | 3.5 | 3.4 | 3.4 | 3.3 | 3.2 |
| | -10.5 | -11.0 | 3.7 | 3.6 | 3.6 | 3.5 | 3.4 |
| | -9.5 | -10.0 | 3.7 | 3.6 | 3.6 | 3.5 | 3.5 |
| | -8.5 | -9.1 | 3.8 | 3.7 | 3.7 | 3.6 | 3.6 |
| | -7.0 | -7.6 | 3.9 | 3.8 | 3.8 | 3.7 | 3.6 |
| | -5.0 | -5.6 | 4.1 | 4.0 | 4.0 | 3.9 | 3.7 |
| | -3.0 | -3.7 | 4.3 | 4.2 | 4.2 | 4.0 | 3.9 |
| | 0.0 | -0.7 | 4.5 | 4.4 | 4.4 | 4.2 | 4.0 |
| | 3.0 | 2.2 | 4.7 | 4.7 | 4.6 | 4.4 | 4.2 |
| | 5.0 | 4.1 | 4.9 | 4.9 | 4.8 | 4.5 | 4.2 |
| | 7.0 | 6.0 | 5.1 | 5.1 | 5.0 | 4.6 | 4.2 |
| 056 | 9.0 | 7.9 | 5.3 | 5.2 | 5.0 | 4.6 | 4.2 |
| | 11.0 | 9.8 | 5.5 | 5.2 | 5.0 | 4.6 | 4.2 |
| | 13.0 | 11.8 | 5.6 | 5.3 | 5.0 | 4.6 | 4.2 |
| | 15.0 | 13.7 | 5.8 | 5.4 | 5.0 | 4.6 | 4.2 |
| | -19.8 | -20.0 | 3.9 | 3.8 | 3.8 | 3.7 | 3.7 |
| | -18.8 | -19.0 | 3.9 | 3.9 | 3.8 | 3.7 | 3.7 |
| | -16.7 | -17.0 | 4.0 | 4.0 | 3.9 | 3.8 | 3.8 |
| | -14.7 | -15.0 | 4.2 | 4.1 | 4.0 | 3.9 | 3.8 |
| | -12.6 | -13.0 | 4.4 | 4.3 | 4.2 | 4.1 | 4.0 |
| | -10.5 | -11.0 | 4.6 | 4.5 | 4.4 | 4.4 | 4.3 |
| | -9.5 | -10.0 | 4.7 | 4.6 | 4.6 | 4.5 | 4.4 |
| | -8.5 | -9.1 | 4.8 | 4.7 | 4.7 | 4.6 | 4.5 |
| | -7.0 | -7.6 | 4.9 | 4.8 | 4.8 | 4.7 | 4.5 |
| | -5.0 | -5.6 | 5.2 | 5.1 | 5.0 | 4.9 | 4.7 |
| | -3.0 | -3.7 | 5.4 | 5.3 | 5.3 | 5.1 | 4.9 |
| 071 | 0.0 | -0.7 | 5.7 | 5.6 | 5.5 | 5.3 | 5.0 |
| | 3.0 | 2.2 | 5.9 | 5.9 | 5.8 | 5.6 | 5.3 |
| | 5.0 | 4.1 | 6.2 | 6.1 | 6.0 | 5.7 | 5.3 |
| | 7.0 | 6.0 | 6.5 | 6.4 | 6.3 | 5.8 | 5.3 |
| | 9.0 | 7.9 | 6.7 | 6.5 | 6.3 | 5.8 | 5.3 |
| | 11.0 | 9.8 | 6.9 | 6.6 | 6.3 | 5.8 | 5.3 |
| | 13.0 | 11.8 | 7.1 | 6.7 | 6.3 | 5.8 | 5.3 |
| | 15.0 | 13.7 | 7.3 | 6.8 | 6.3 | 5.8 | 5.3 |
| | -19.8 | -20.0 | 4.9 | 4.9 | 4.8 | 4.7 | 4.7 |
| | -18.8 | -19.0 | 5.0 | 4.9 | 4.8 | 4.7 | 4.7 |
| | -16.7 | -17.0 | 5.1 | 5.0 | 4.9 | 4.8 | 4.8 |
| | -14.7 | -15.0 | 5.3 | 5.2 | 5.1 | 4.9 | 4.8 |
| | -12.6 | -13.0 | 5.5 | 5.4 | 5.3 | 5.2 | 5.1 |
| | -10.5 | -11.0 | 5.8 | 5.7 | 5.6 | 5.5 | 5.5 |
| | -9.5 | -10.0 | 6.0 | 5.9 | 5.8 | 5.7 | 5.6 |
| -8.5 | -9.1 | 6.1 | 6.0 | 5.9 | 5.8 | 5.7 | |
| -7.0 | -7.6 | 6.2 | 6.1 | 6.0 | 5.9 | 5.8 | |
| -5.0 | -5.6 | 6.5 | 6.5 | 6.4 | 6.2 | 6.0 | |
| -3.0 | -3.7 | 6.9 | 6.8 | 6.7 | 6.4 | 6.2 | |
| 0.0 | -0.7 | 7.2 | 7.1 | 7.0 | 6.7 | 6.4 | |
| 3.0 | 2.2 | 7.6 | 7.5 | 7.3 | 7.1 | 6.8 | |
| 5.0 | 4.1 | 7.9 | 7.8 | 7.7 | 7.2 | 6.8 | |
| 7.0 | 6.0 | 8.2 | 8.1 | 8.0 | 7.4 | 6.8 | |
| 9.0 | 7.9 | 8.5 | 8.2 | 8.0 | 7.4 | 6.8 | |
| 11.0 | 9.8 | 8.7 | 8.4 | 8.0 | 7.4 | 6.8 | |
| 13.0 | 11.8 | 9.0 | 8.5 | 8.0 | 7.4 | 6.8 | |
| 15.0 | 13.7 | 9.2 | 8.6 | 8.0 | 7.4 | 6.8 | |

4. Dimensional Drawing

Home DUCT

AM045MNLDEH/EU, AM056MNLDEH/EU

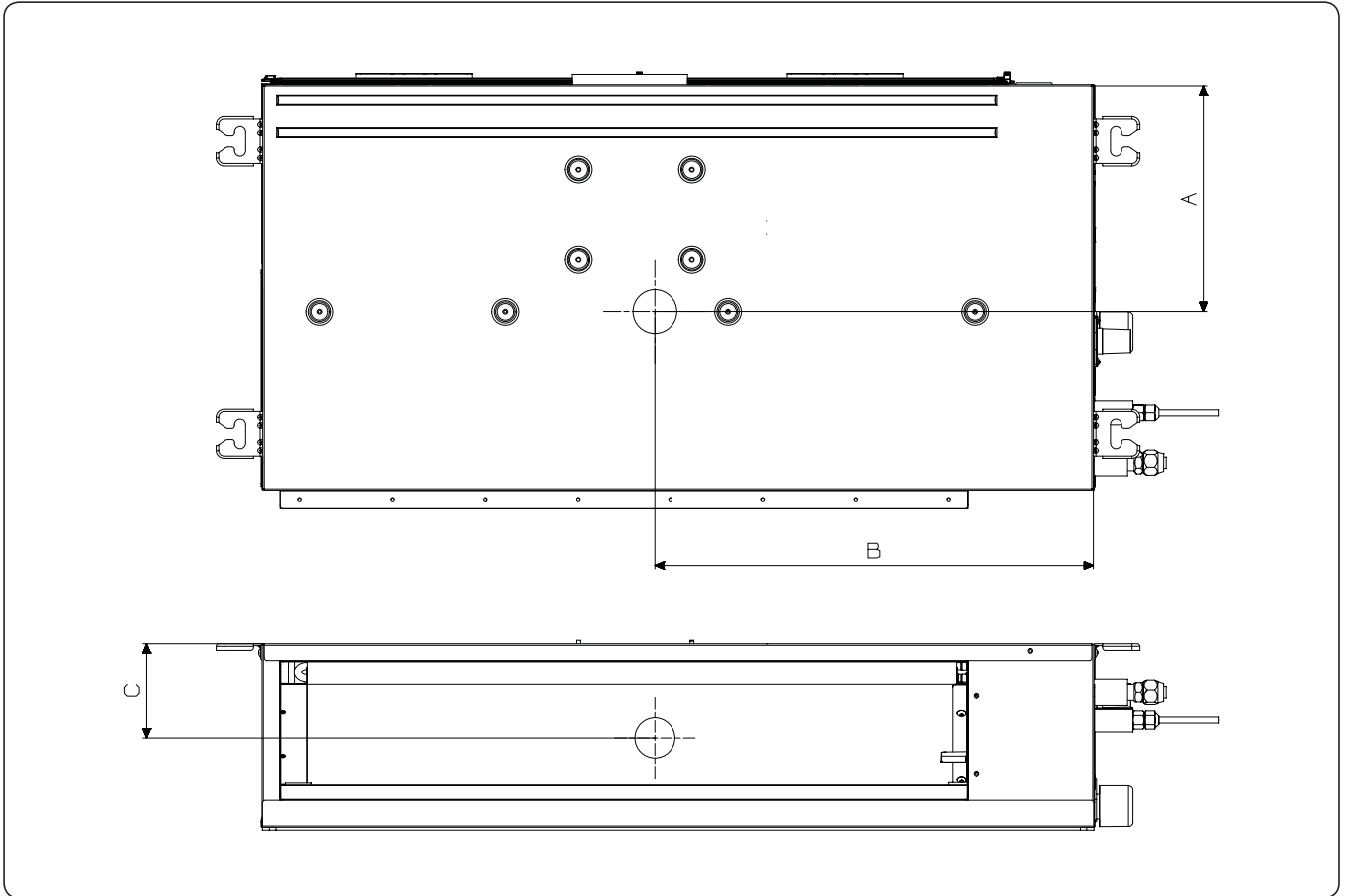


| No. | Name | Description |
|-----|-------------------------------|--------------------------------|
| ① | Refrigerant Liquid Pipe | Ø6.35 [1/4"] Flare Connection |
| ② | Refrigerant Gas Pipe | Φ12.70 [1/2"] Flare Connection |
| ③ | Condensate Drain | VP25 (OD 32, ID 25) |
| ④ | Condensate Drain (Option) | VP25 (OD 32, ID 25) |
| ⑤ | Power & Comm. Wiring Conduits | - |
| ⑥ | Supply Air Flange | - |
| ⑦ | Return Air Flange | - |
| ⑧ | Hook | - |

5. Center of Gravity

Home DUCT

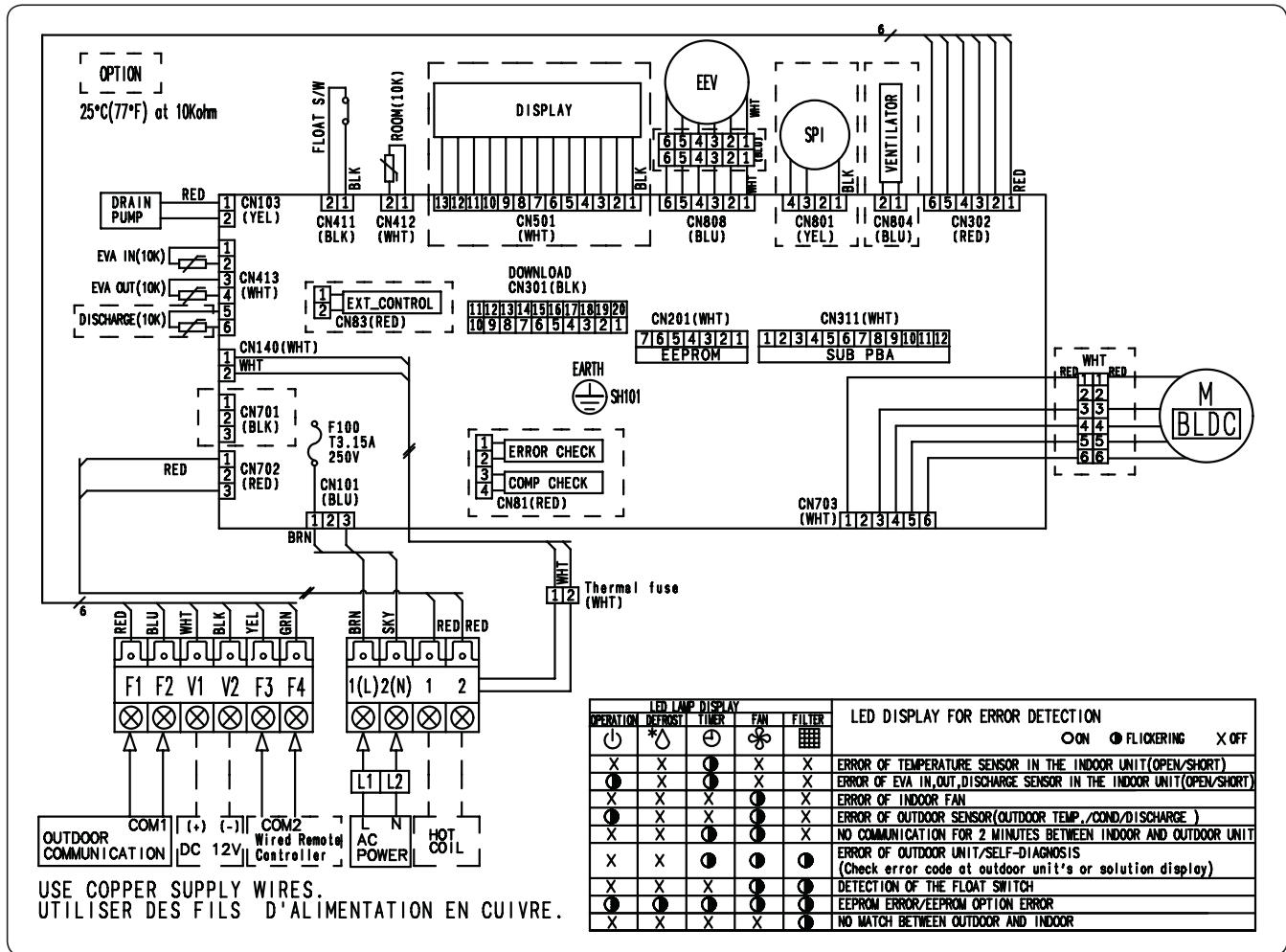
(Unit: mm)



| Model | A | B | C |
|-------------|-----|-----|-----|
| 4.5kW/5.6kW | 233 | 436 | 100 |
| 7.1kW | 240 | 540 | 100 |

6. Electrical Wiring Diagram

Home DUCT



| | | | | | |
|--------------|-----------------------------|-----------|----------------------------|----------------|---------------------------|
| F100 | FUSE | EEV | Electronic Expansion Valve | EVA-IN(10K) | Thermistor EVA IN(10K) |
| M[BLDC] | Motor (IDU fan) | SPI | S-Plasma ion | EVA-OUT(10K) | Thermistor EVA OUT(10K) |
| Thermal Fuse | Terminal Block Thermal Fuse | ROOM(10K) | Thermistor ROOM(10K) | DISCHARGE(10K) | Thermistor DISCHARGE(10K) |

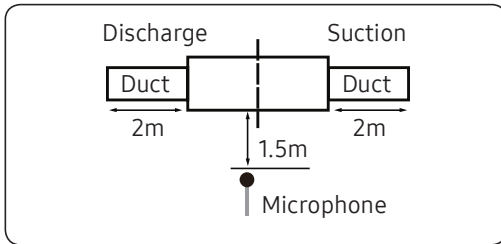
NOTE

- This wiring diagram applies only to the Indoor unit.
- Symbols show as follow :
blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue: grn: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
- ⊕ Protective earth(screw), □ : connector, $\frac{N}{-}$: The wire quantity

7. Sound Data

Home DUCT

Sound pressure level

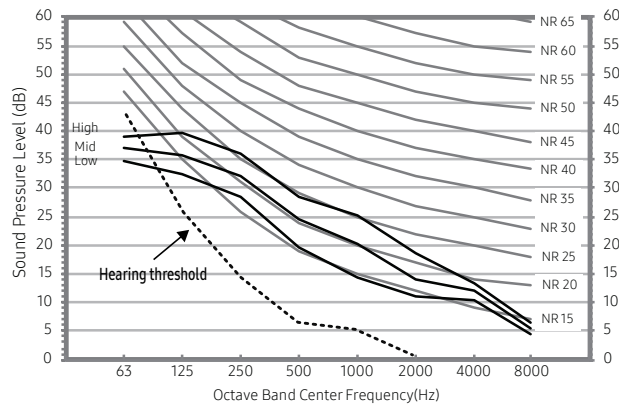


Unit: dB(A)

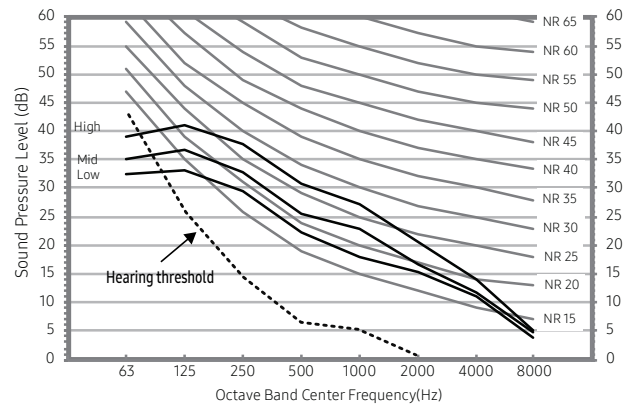
| MODEL | High | Mid | Low |
|----------------|------|-----|-----|
| AM045MNLDEH/EU | 32 | 28 | 25 |
| AM056MNLDEH/EU | 34 | 30 | 26 |
| AM071MNLDEH/EU | 34 | 30 | 27 |

- NR Curve

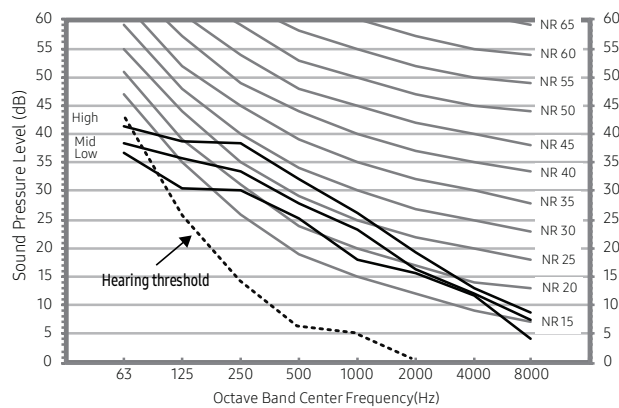
1) AM045MNLDEH/EU



2) AM056MNLDEH/EU



3) AM071MNLDEH/EU



NOTE

- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

7. Sound Data

Home DUCT

Sound Power level

NOTE

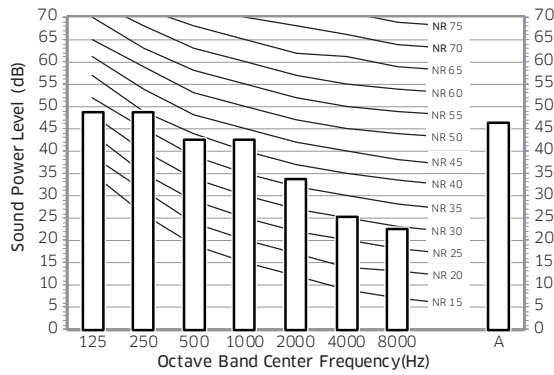
- Specifications may be subject to change without prior notice
 - Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level.
 - Reference power : 1pW.
 - Measured according to ISO 3741.

Unit: dB(A)

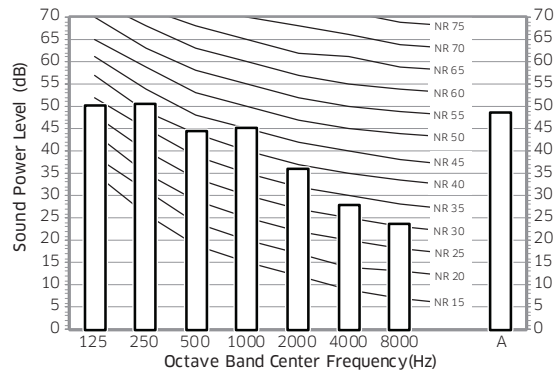
| Model | Power |
|----------------|-------|
| AM045MNLDEH/EU | 47 |
| AM056MNLDEH/EU | 49 |
| AM071MNLDEH/EU | 49 |

• NR Curve

1) AM045MNLDEH/EU



2) AM056MNLDEH/EU



3) AM071MNLDEH/EU

