



FDUM125VNAVH

12.5 (5.0 ~ 14.0)

Indoor Unit : FDUM125VH

Outdoor Unit : FDC125VNA

Specifications

R410A

| | | | |
|-------------------------------------|-----------------------|---|---------------------------------------|
| Indoor unit | | FDUM125VH | |
| Outdoor unit | | FDC125VNA | |
| Power source | | 1 Phase 220-240V, 50Hz / 220V, 60Hz | |
| Nominal cooling capacity (Min~Max) | | kW | 12.5 (5.0 ~ 14.0) |
| Nominal heating capacity (Min~Max) | | kW | 14.0 (4.0 ~ 16.0) |
| Power consumption | | Cooling/Heating | kW 4.36 / 3.69 |
| EER/COP | | Cooling/Heating | 2.87 / 3.79 |
| Inrush current | | A | 5 |
| Max. running current | | A | 26 |
| Sound power level* ¹ | Indoor * ³ | Cooling/Heating | 67 / 67 |
| | Outdoor | Cooling/Heating | 71 / 71 |
| Sound pressure level* ¹ | Indoor * ³ | Cooling (Hi/Me/Lo/Ulo) | dB(A) 45 / 40 / 34 / 29 |
| | | Heating (Hi/Me/Lo/Ulo) | |
| | Outdoor | Cooling/Heating | 55 / 57 |
| Air flow | Indoor * ³ | Cooling (Hi/Me/Lo/Ulo) | m ³ /min 39 / 32 / 26 / 20 |
| | | Heating (Hi/Me/Lo/Ulo) | |
| | Outdoor | Cooling/Heating | 75 / 73 |
| Available external static pressure | | Pa | Standard:60 Max:100 |
| Exterior Dimensions | Indoor | Height x Width x Depth | mm |
| | Outdoor | | |
| Net weight | Indoor / Outdoor | kg | 54 / 80 |
| Refrigerant | | Type/GWP | R410A/2088 |
| Refrigerant piping size | | Liquid/Gas | ø mm 9.52(3/8") / 15.88(5/8") |
| Refrigerant line (one way) length | | m | Max.50 |
| Vertical height differences | | Outdoor is higher/lower | m Max.50 / Max.15 |
| Outdoor operating temperature range | Cooling* ² | | °C -15~50 |
| | Heating | | -20~20 |
| Air filter quantity | | (Option) Filter kit : UM-FL3EF | |
| Remote control (option) | | wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-KIT4-E2 | |
| SEER | | 5.26 | |
| SCOP (Average climate) | | 4.13 | |

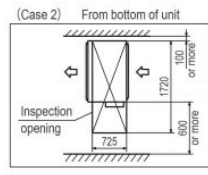
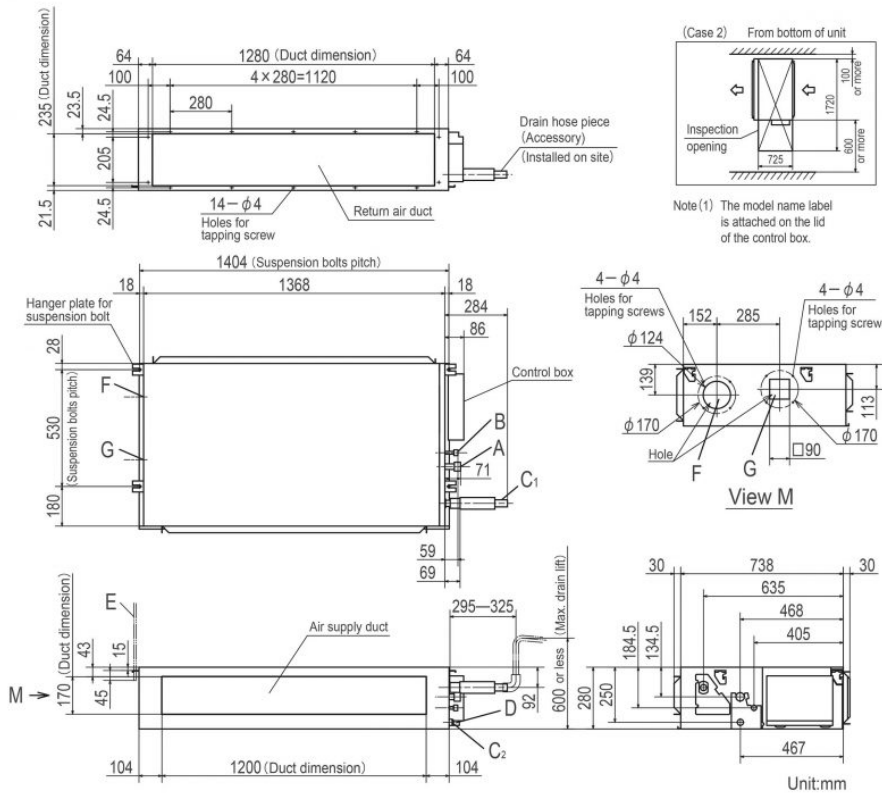
The data is measured under the following conditions (R32 : ISO-T1, -H1 / , R410A : ISO-T1).

Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

- : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
- : External static pressure is changeable to be set by the remote control. MAX external static pressure is "High static pressure" setting. The values of sound pressure level become 5dB(A) higher at external static pressure of 200Pa
- : If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.
- : The values are for one indoor unit operation. (Multi system only)
- : In case of following conditions:Max.50m(Outdoor unit is higher & Outdoor temperature 43°C), Max.30m(Outdoor unit is higher & Outdoor temperature > 43°C).

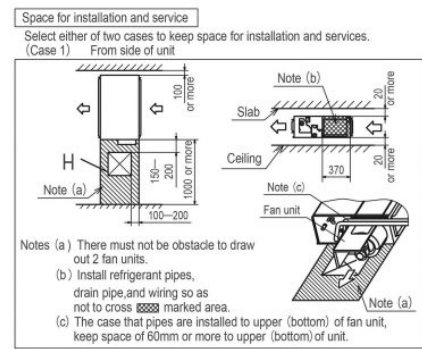
Schematics

Models FDUM100VH,125VH,140VH

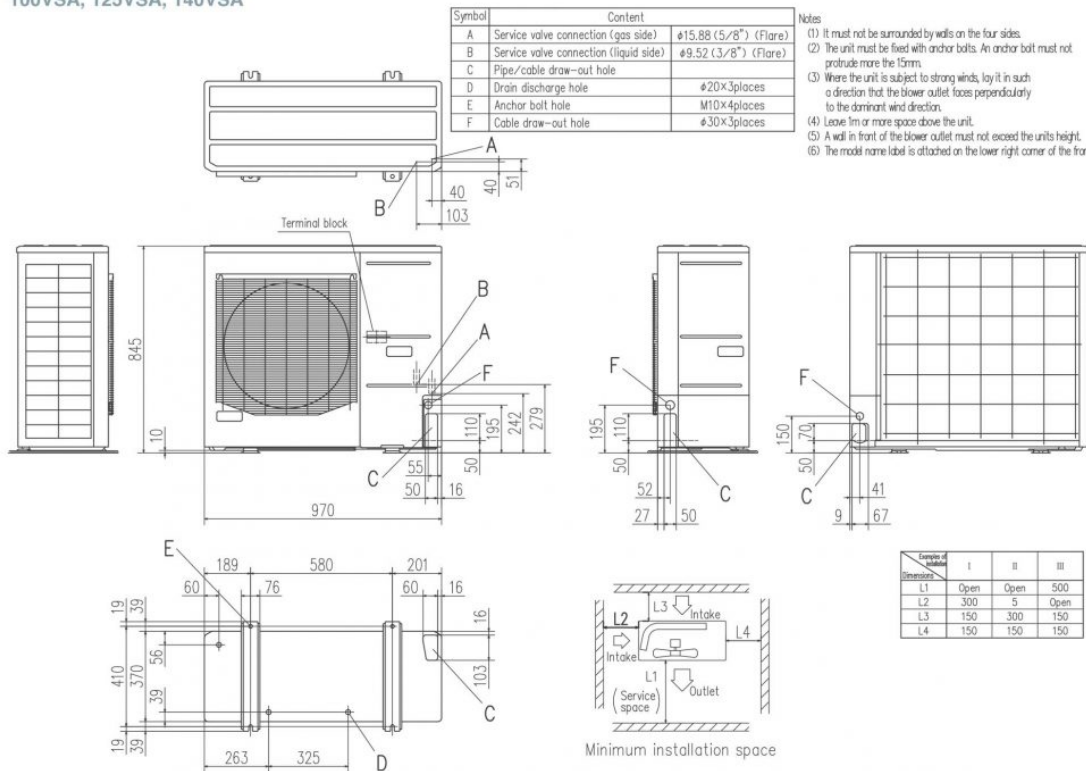


Note(1) The model name label is attached on the lid of the control box.

| Symbol | Content |
|----------------|--|
| A | Gas piping $\phi 15.88 (5/8")$ (Flare) |
| B | Liquid piping $\phi 9.52 (3/8")$ (Flare) |
| C | Drain piping VP25 (O.D.32) |
| C ₂ | Drain piping (Gravity drainage) VP20 |
| D | Hole for wiring |
| E | Suspension bolts (M10) |
| F | Outside air opening for ducting ($\phi 150$) (Knock out) |
| G | Air outlet opening for ducting ($\phi 125$) (Knock out) |
| H | Inspection opening (450×450) |



FDC100VNA, 125VNA, 140VNA 100VSA, 125VSA, 140VSA



- Notes
- (1) It must not be surrounded by walls on the four sides.
 - (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
 - (3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
 - (4) Leave 1m or more space above the unit.
 - (5) A wall in front of the blower outlet must not exceed the units height.
 - (6) The model name label is attached on the lower right corner of the front panel.