



## Fresh air intake indoor unit type

MMD-UP\*\*\*HFP-E

### Air controller for fresh-air intake

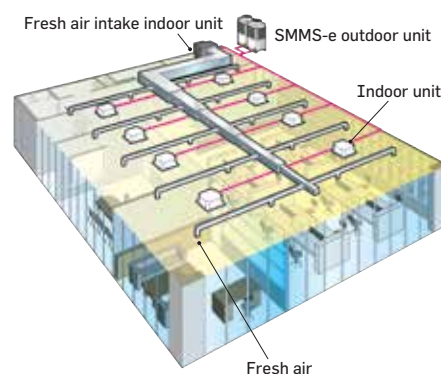
- This indoor unit manages and treats the fresh air intake before it will be distributed into the building.

### AHU alternative

- Ideal solution for all buildings that require fresh air ventilation.
- Air flow up to 2,100 m<sup>3</sup>/h.
- Up to 200Pa available pressure.

### Features

- Compact and lighter chasis.
- Wide air flow range with 5 fan speed.
- Increase in external static pressure settings (7 levels) by DN code.
- High efficiency filters are available (Optional).



Remote controller



RBC-ASC11-E  
RBC-ASC11U-E



RBC-AMS55E-EN/ES  
RBC-AMSU51-EN/ES

## Technical specifications

| Performances      |      |             |             |             |  |
|-------------------|------|-------------|-------------|-------------|--|
| Indoor unit       | MMD- | UP0481HFP-E | UP0721HFP-E | UP0961HFP-E |  |
| Cooling capacity  | kW   | 14.0        | 22.4        | 28.0        |  |
| Heating capacity  | kW   | 8.9         | 13.9        | 17.4        |  |
| Power consumption | kW   | 0.110       | 0.160       | 0.200       |  |
| Running current   | A    | 0.77        | 0.86        | 1.07        |  |
| Starting current  | A    | 2.01        | 7.80        | 7.80        |  |

| Physical Data                               |                   |                                                                                                     |                           |                           |  |
|---------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------|---------------------------|---------------------------|--|
| Indoor unit                                 | MMD-              | UP0481HFP-E                                                                                         | UP0721HFP-E               | UP0961HFP-E               |  |
| Air Flow (h/m+/m/l+/l)                      | m <sup>3</sup> /h | 1080/990/930/840/760                                                                                | 1680/1560/1440/1320/1200  | 2100/1950/1800/1620/1470  |  |
| Air Flow (h/m+/m/l+/l)                      | l/s               | 300/275/258/233/211                                                                                 | 466/433/400/366/333       | 583/542/500/450/408       |  |
| Sound pressure level (h/m+/m/l+/l)          | dB(A)             | 38/37/35/32/31                                                                                      | 38/37/36/35/33            | 39/38/3635/33             |  |
| Dimensions (HxWxD)                          | mm                | 327x1430x750                                                                                        | 477x1430x900              | 477x1430x900              |  |
| Weight                                      | kg                | 44                                                                                                  | 99                        | 99                        |  |
| External static pressure                    | Pa                | 50-75-100-125-150-175-200                                                                           | 50-75-100-125-150-175-200 | 50-75-100-125-150-175-200 |  |
| Eexternal static pressure - factory setting | Pa                | 100                                                                                                 | 100                       | 100                       |  |
| Connecting pipe, gas                        | mm/inch           | 15.9 (5/8")                                                                                         | 22.2 (7/8")               | 22.2 (7/8")               |  |
| Connecting pipe, liquid                     | mm/inch           | 9.52(3/8")                                                                                          | 12.7 (1/2")               | 12.7 (1/2")               |  |
| Drain port diameter                         | mm                | 25                                                                                                  | 25                        | 25                        |  |
| Power supply                                |                   | 1-phase 50Hz 230V (220-240V) / 1-phase 60Hz 220V (Separate power supply for indoor units required.) |                           |                           |  |
| Operation range                             | Cooling (*2)      | °C                                                                                                  | +5/+46 (Note 4)           |                           |  |
|                                             | Heating (*3)      | °C                                                                                                  | -5/46                     |                           |  |

\* The setting temperature is 16 - 27°C

\* Height difference between Fresh Air Intake Indoor units must be within 5 m.

Note 1 : Rated conditions

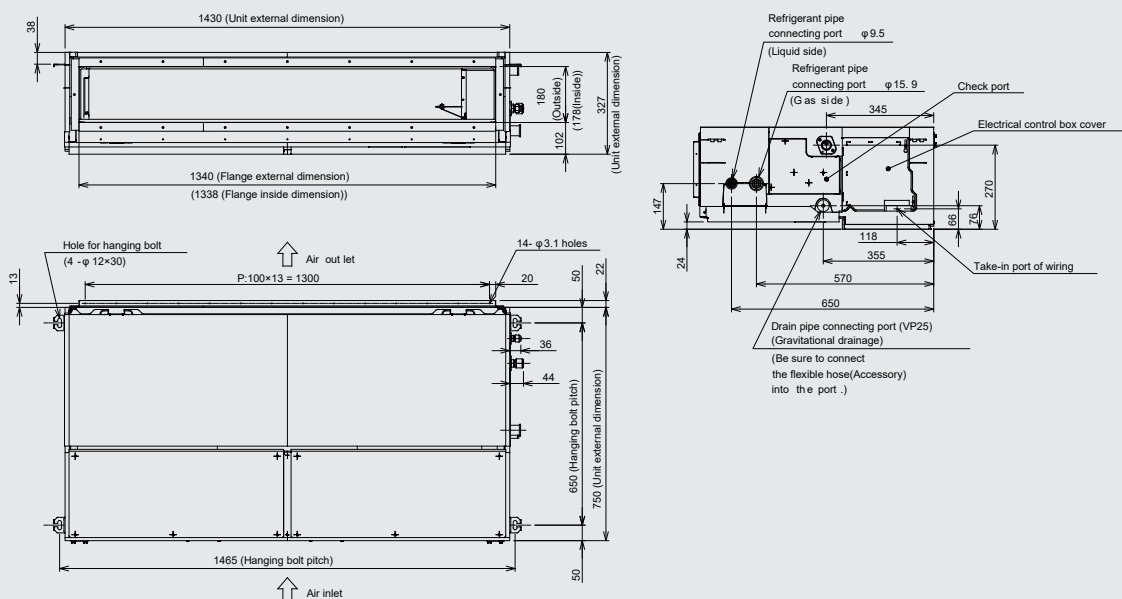
Cooling : Outdoor air temperature 33°C DB/28°C WB setting 18°C

Heating : Outdoor air temperature 0°C DB/-2.9°C WB setting temperature 25°C

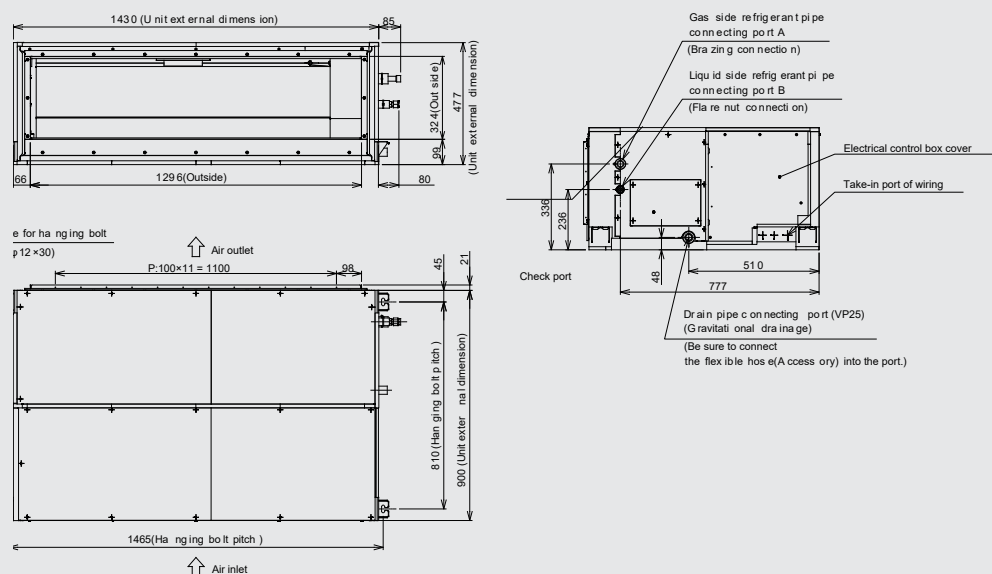
Note 2 : When supply air temperature is "setting temperature + 3°C" or less, Fresh Air Intake unit operates as FAN mode

Note 3 : When supply air temperature is "setting temperature -3°C" or over, Fresh Air Intake unit operates as FAN mode

Note 4 : All fresh air connection.

**MMD-UP0481HFP-E**

## MMD-UP0721HFP-E to MMD-UP961HFP-E



(Unit: mm)

## Options

| Type           | Model name         | Description                         | Applied model                    | Appearance                                                                            | Remarks |
|----------------|--------------------|-------------------------------------|----------------------------------|---------------------------------------------------------------------------------------|---------|
| Air filtration | TCB-UFM0481D-E     | High-efficiency filter 65           | MMD-UP0481HF-E                   |  |         |
|                | TCB-UFM1281D-E     | High-efficiency filter 65           | MMD-UP0721HF-E to MMD-UP1281HF-E |                                                                                       |         |
|                | TCB-UFH0481D-E     | High-efficiency filter 90           | MMD-UP0481HF-E                   |                                                                                       |         |
|                | TCB-UFH1281D-E     | High-efficiency filter 90           | MMD-UP0721HF-E to MMD-UP1281HF-E |                                                                                       |         |
|                | TCK-LK1401D-E      | Stand alone long life prefilter     | MMD-UP0481HF-E                   |                                                                                       |         |
|                | TCK-LK2801DP-E     | Stand alone long life prefilter     | MMD-UP0721HF-E to MMD-UP1281HF-E |                                                                                       |         |
|                | TCK-LK1401D-E (*2) | High efficiency long life prefilter | MMD-UP0481HF-E                   |                                                                                       |         |
|                | TCK-PF1281DF-E     | High efficiency long life prefilter | MMD-UP0721HF-E to MMD-UP1281HF-E |                                                                                       |         |
|                | TCB-FC0481DF-E     | Filter chamber                      | MMD-UP0481HF-E                   |                                                                                       |         |
|                | TCB-FC1281DF-E     | Filter chamber                      | MMD-UP0721HF-E to MMD-UP1281HF-E |                                                                                       |         |
| Drain pump kit | TCB-DP40DFP-E      | Drain pump kit                      | All models                       |                                                                                       |         |