

MMD-UP\_HFP  
FRESH AIR DUCT



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 3,060m<sup>3</sup>/h.
- Up to 200Pa available pressure, enough to create long pipe work.

**Comfort**

- Constant 20°C fresh air delivery from -10 to +46°C air suction temperature.
- 5-speed fan operation for perfect air flow adaptation.
- Filters available as an option.

**Integration flexibility**

- Make your choice between VRF 1:1 connection or mix with other indoor unit types.

CAPACITY



8.9kW > 40kW

AIR FLOW



1,080m<sup>3</sup>/h > 3,060m<sup>3</sup>/h

SOUND PRESSURE LEVEL



31dB

**OUTDOOR UNITS**



SMMS-e



SMMS-u

**LOCAL CONTROLS**



RBC-AMSU51E-ES/EN  
RBC-AMTU31-E  
RBC-ASCU11-E

**FRESH AIR INTAKE Performance**

Indoor unit	MMD-	UP0481HFP-E/TR	UP0721HFP-E/TR	UP0961HFP-E/TR	UP1121HFP-E/TR	UP1281HFP-E/TR
Cooling capacity	kW	14,0	22,4	28,0	33,5	40,0
Heating capacity	kW	8,9	13,9	17,4	20,8	25,2
Power consumption	kW	0,110	0,160	0,200	0,250	0,330
Running current	A	0,77	0,86	1,07	1,30	1,83
Starting current	A	2,01	7,80	7,80	7,80	7,80

**FRESH AIR INTAKE Physical data**

Indoor unit	MMD-	UP0481HFP-E/TR	UP0721HFP-E/TR	UP0961HFP-E/TR	UP1121HFP-E/TR	UP1281HFP-E/TR
Air flow (h)	m <sup>3</sup> /h	1080/990/930/840/760	1680/1560/1440/1320/1200	2100/1950/1800/1620/1470	2520/2340/2130/1950/1770	3060/2820/2580/2370/2130
Air flow (h)	l/s	300/275/258/233/211	466/433/400/366/333	583/542/500/450/408	700/650/592/542/492	850/783/717/658/592
Sound pressure level	dB(A)	38/37/35/32/31	38/37/36/35/33	39/38/36/35/33	40/39/37/36/34	42/40/38/37/35
Dimensions (HxWxD)	mm	327x1430x750	477x1430x900	477x1430x900	477x1430x900	477x1430x900
Weight	kg	44	99	99	99	99
External static pressure	Pa			50/75/111/125/150/175/200		
External static pressure - factory setting	Pa	100	100	100	100	100
Connecting pipe, gas	in	5/8"	7/8"	7/8"	1 1/8"	1 1/8"
Connecting pipe, liquid	in	3/8"	1/2"	1/2"	1/2"	5/8"
Drain port diameter	mm	25	25	25	25	25
Power supply	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50
Operation range for SMMS-u	Cooling (*2) °C			+5/+46 (Note 4)		
	Heating (*3) °C			-10/46		
Operation range for SMMS-e	Cooling (*2) °C			+5/+43		
	Heating (*3) °C			-5/43		

\* The setting temperature is 13 - 25°C (standard FCU.. 18 - 30 °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: 46-52°C is also available but temporary operable.