TOSHIBA

MMD-UPV_1HY

AIR-TO-AIR HEAT EXCHANGER WITH DX COIL

The MMD-UPV ventilation products use exhaust air + DX coil to pre-condition the incoming air, reducing the cooling or heating load and the overall size of the required air conditioning system.

CAPACITY | SOUND PRESSURE LEVEL | AIR FLOW

4.1kW **> 10.9**kW | **34dB(A)** | **500**m3/h **> 1,000**m3/h

Energy savings

- Recover heat and humidity from indoor air and transfer it to outdoor fresh air for efficient ventilation.
- Up to 10kW coil capacity ensures intake air temperature closely matches ambient conditions, minimizing additional load on the heating and cooling system.
- Automatically adjust between heat exchanger mode (energy recovery) and normal ventilation mode (free cooling) based on outdoor temperatures.
- Free cooling: Deliver fresh outdoor cool air to reduce indoor temperature when outside air is cooler than the air-conditioned interior.

Advanced features

- Compact chassis design with DC fan motors for energy-efficient operation and flexible air volume management.
- Compliance with ENTR Lot 11 requirements in the EU market.
- Optional CO2/PM sensors for fan speed adjustment based on indoor air quality (IAQ).
- Includes an electric damper and wind pressure shutter to prevent outside air inflow when the unit is off.

Multi-application

- 3 models available with airflow ranges from 500 to 1,000m³/h to suit various environments and requirements.
- Air balance volume rate can be varied to suit the usage environment and location.

Various ventilation operation

- Delayed Ooperation: Set delay for activation (10–60 minutes).
- 24-Hour Ventilation: Operates continuously, even when the air conditioning system is off.
- Nighttime Heat Purge: Removes hot air during night hours to reduce cooling loads the next day.
- Automatic Ventilation: Adapts ventilation mode based on air conditioner operation and temperature sensor data.

Fully integrated

- Air conditioners and heat exchangers are controlled with the same main us system (TU2C-LINK where available or TCC-LINK).

OUTDOOR UNITS

MiNi SMMS-e
(Only 4,5 & 6Ph)

SMMS-u

SHRM Advance

SHRM-u

SHRM-e

LOCAL CONTROLS

Wired remote controller

RBC-ASCU32Y-E

RBC-AWSU52-E
RBC-AMSU52-E