

PRODUCT GUIDE

PremiSys® Fusion Dedicated Outdoor Air System



Product Overview

The PremiSys series of rooftop ventilation products is a premier solution for conditioning outdoor air for commercial buildings. Designed to handle 100% outdoor air with energy recovery models, PremiSys products offer premium features ideal for handling ventilation air in variable refrigerant flow (VRF) applications.

The PremiSys Fusion is the latest addition to the family of dedicated outdoor air systems. The MPF-1 and MPF-2 models (split system with energy recovery) are pre-engineered to provide semi-custom flexibility while maintaining the quality, consistency, and value of a standardized product. Take advantage of the split-system design to further enhance the flexibility of applying Mitsubishi Electric products to any building.

Features

- ▶ Direct-drive plenum fans with factory-mounted variable frequency drives (VFD) to handle up to 5,000 CFM and 3 in. wg external static pressure.
- ▶ Pre-painted cabinet with 2-inch double-wall construction.
- ▶ Downturn intake hood with aluminum mesh filters.
- ▶ Microprocessor controls for stand-alone functionality or communication through Mitsubishi Electric's M-Net. Additional components are required for communication via other protocols, such as BACnet®, LonWorks®, or Modbus®.
- ▶ Multiple filter options including MERV 8 (standard), MERV 13 (optional), or a combination MERV 8/13.
- ▶ Optional accessories include smoke detectors and condenser hail guards.

Cooling Options

- ▶ Split System DX **NEW!**
 - INVERTER-driven compressors
 - 5 to 20 tons of cooling capacity
 - Up to 50' of separation between outdoor unit and DOAS unit
 - Modulating hot gas reheat
 - R410a refrigerant
 - Energy wheel

Heating Options

- ▶ Indirect gas-fired furnace
 - 409 stainless steel heat exchanger construction
 - Modulating turndown control
 - Power-vented
- ▶ Electric Heating
 - SCR capacity control
 - Optional single-point power connection
- ▶ Hot water coil



Split DX **NEW!**

Unit Size	Nominal Tonnage (tons)	Height	Width	Length	Intake	Nominal Weight (lbs)	Outdoor Intake	Supply Discharge	Exhaust Discharge
MPF-1	5 - 12	58	53	148	22	2200	End	Bottom or Side	Side
MPF-2	10 - 20	71	64	163	22	2800			



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