

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 optional energy recovery, 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 models MPF and MPFE (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.

Model MPF(E) features

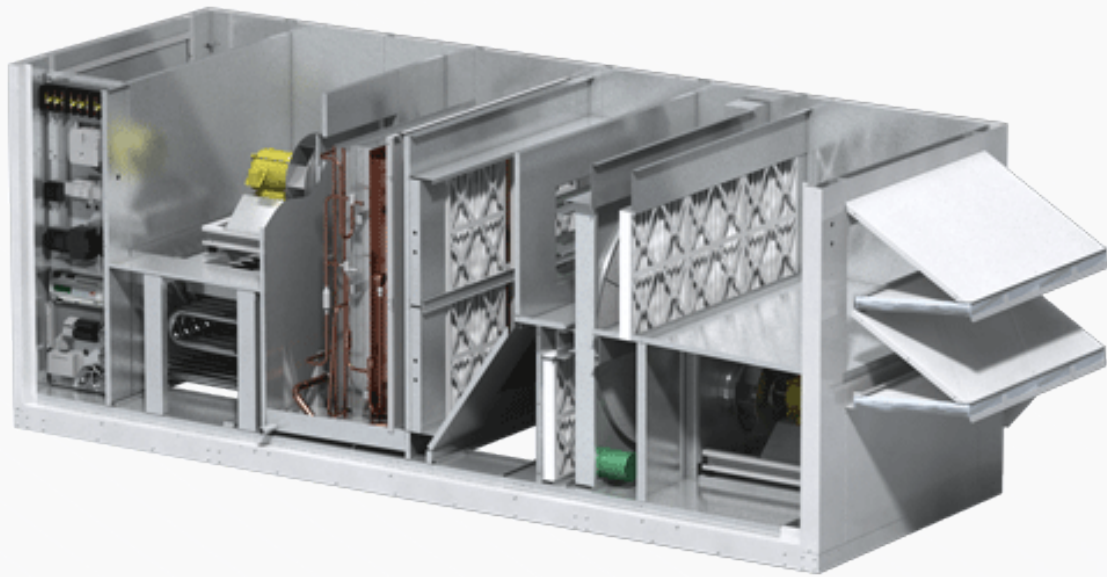
- ▶ Direct-drive plenum fans with factory-mounted variable frequency drives (VFD) to handle up to 8,000 CFM and 3 in. wg external static pressure.
- ▶ 2-inch double-wall construction.
- ▶ Downturn intake hood with 2-inch aluminum mesh filters.
- ▶ Microprocessor controls for stand-alone functionality or communication through Mitsubishi Electric's M-Net, BACnet®, LonWorks®, or Modbus® protocols.
- ▶ Multiple filter options including MERV8, MERV13, or a combination MERV 8/13.
- ▶ Optional accessories include: Exterior cabinet coatings, smoke detectors, and condenser hail guards.

Cooling Options

- ▶ Integral air-cooled packaged DX
 - R410a refrigerant
 - Modulating hot gas reheat
 - Variable capacity compressors
 - 5 to 30 tons of cooling capacity
 - Service/charging valves
 - Liquid line dryer
 - Sight glass
- ▶ Split System DX **NEW!**
 - INVERTER-driven compressors
 - 5 to 20 tons of cooling capacity
 - Up to 150' of separation between condensation unit and DOAS unit

Heating Options

- ▶ Integral air-cooled packaged DX
 - 409 stainless steel heat exchanger construction
 - Modulating turndown control
 - Power-vented
- ▶ Electric Heating
 - SCR capacity control
 - Optional single-point power connection
- ▶ Hot water coil



Packaged DX

Unit Size	Nominal Tonnage (tons)	Height (H)	Width (W)	Length (L)	Intake (A)	Condensing Section (B)	Nominal Weight (lbs)	Outdoor Intake	Supply Discharge	Exhaust Discharge
MP-1	5 - 15	58	81	117	22	30	2500	End	Bottom or Side	N/A
MP-2	10 - 25	70	100	130	22	36	3600			
MP-3	15 - 30	82	100	143	27	32	4500			
MPE-1	5 - 15	58	81	169	22	30	3600	End	Bottom or Side	Side
MPE-2	10 - 25	70	100	184	22	36	4900			
MPE-3	15 - 30	82	100	205	27	32	6200			

Split DX **NEW!**

Unit Size	Nominal Tonnage (tons)	Height (H)	Width (W)	Length (L)	Intake (A)	Condensing Section (B)	Nominal Weight (lbs)	Outdoor Intake	Supply Discharge	Exhaust Discharge
MPF-1	5 - 12	58	81	117	22	30	2800	End	Bottom or Side	N/A
MPF-2	10 - 20	70	100	130	22	36	2800			



MAKE COMFORT *Personal*™

Mitsubishi Electric Cooling & Heating

1340 Satellite Boulevard
Suwanee, GA 30024, Phone: 800-433-4822

© 2015 Mitsubishi Electric US, Inc. CITY MULTI® is a registered trademark of Mitsubishi Electric. Mitsubishi Electric is a registered trademark of Mitsubishi Electric Corporation. The three-diamond logo is a registered logo of Mitsubishi Electric Corporation. PremiSys® is a registered trademark of Greenheck Fan Corporation. Used with permission

