

## PremiSys® 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 models MPE/MPC (with energy recovery) are pre-engineered to provide semi-custom flexibility while maintaining the quality, consistency, and value of a standardized product.



### PRODUCT FEATURES

- ▶ Direct-drive plenum fans with factory-mounted variable frequency drives (VFD) to handle up to 18,000 CFM and 3-inch wg external static pressure
- ▶ ERV wheel (MPE) or ERV core (MPC) options available w/ built in defrost modes.
- ▶ 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 MERV 8, MERV 13, or a combination MERV 8/13
- ▶ Optional accessories include: Exterior cabinet coatings, smoke detectors, and condenser hail guards

### 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
- ▶ Air-Sourced Heat Pump (ASHP)
  - Low ambient operation down to 10°F
  - Secondary heating options (Gas, Electric, Hot Water)
  - Built in Defrost mode

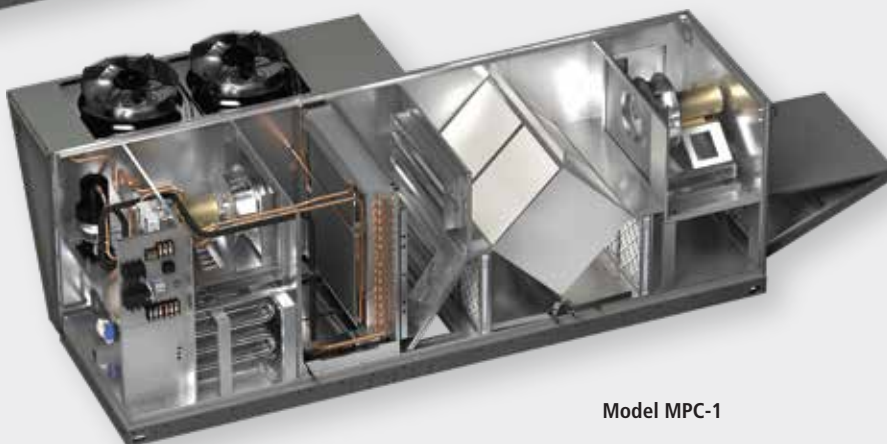
### COOLING OPTIONS

- ▶ Integral air-cooled packaged DX
  - R410a refrigerant
  - Modulating hot gas reheat
  - Inverter duty compressors
  - 3-70 tons of cooling capacity
  - Service/charging valves
  - Liquid line dryer
  - Sight glass
  - Air-Sourced Heat Pump option
- ▶ Air-Sourced Heat Pump (ASHP)
  - 5-30 tons capacity
  - Modulating hot gas reheat

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Model MPE-1



Model MPC-1

Unit Size	Nominal Air Flow (CFM)	Nominal Tonnage	Furnace Size (MBH)	Filter Type	ERV Option (MPE or MPC)	NOMINAL WEIGHT (LBS) (W/O ERV)	NOMINAL WEIGHT (LBS) (W/ ERV WHEEL)	NOMINAL WEIGHT (LBS) (W/ ERV CORE)
MP-0	500 - 2,000	3 to 7	75 - 200	MERV 8/13/14	N/A	1,100	N/A	N/A
MP-1	800 - 3,000	5 to 15	100 - 300	MERV 8/13/14	Wheel/Core	2,700	3,400	3,500
MP-2	2,000 - 6,500	15 to 25	300 - 500	MERV 8/13/14	Wheel/Core	4,500	5,100	4,900
MP-4	7,500 - 13,500	25 to 50	600 - 1,200	MERV 8/13/14	Wheel	6,400	8,300	N/A
MP-5	7,500 - 18,000	30 to 70	800 - 1,200	MERV 8/11/14	Wheel/Core	7,950	10,450	12,700