



Heating and Cooling



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

### MODEL MP(E) 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
- ▶ 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

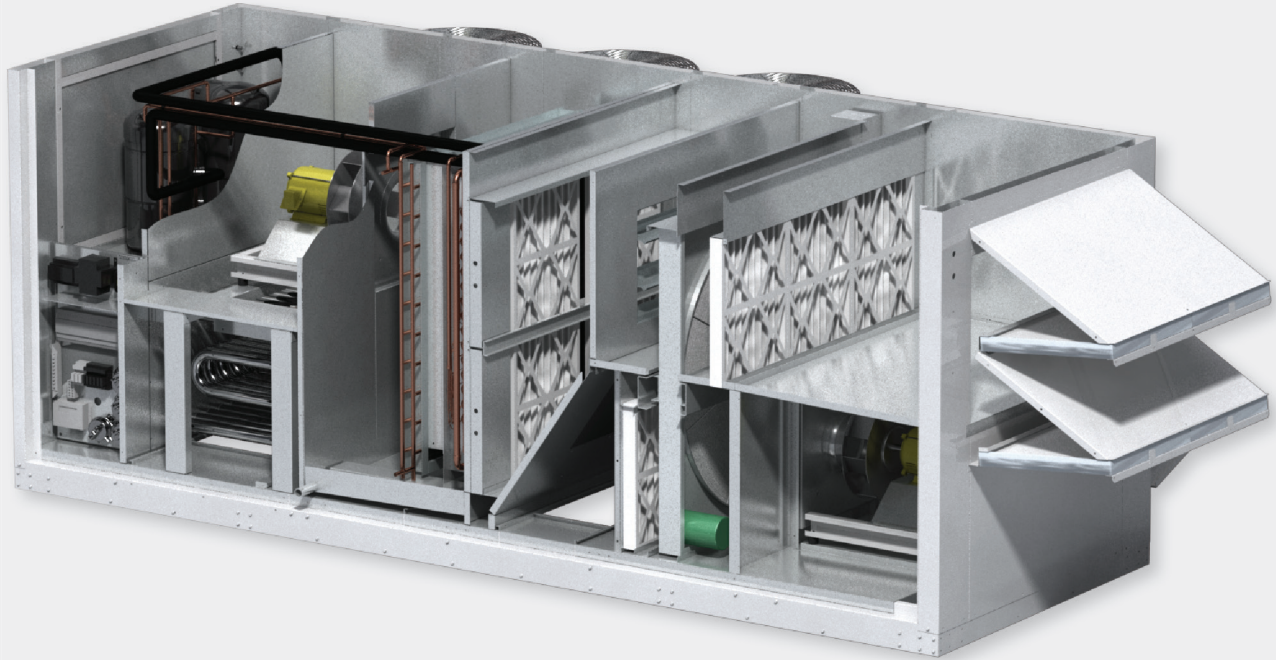
### HEATING OPTIONS

- ▶ 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
  - Variable capacity compressors
  - 5-7 tons of cooling capacity
  - Service/charging valves
  - Liquid line dryer
  - Sight glass
  - Air-Sourced Heat Pump option
- ▶ Air-Sourced Heat Pump (ASHP)
  - 5-22 tons capacity
  - Modulating hot gas reheat

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Unit Size	Nominal Tonnage (tons)	Height	Width	Length	Intake	Condensing Section	Nominal Weight (lbs)	Outdoor Intake	Supply Discharge	Exhaust Discharge
MP-0	3 – 7	58	44	82	N/A	N/A <sup>a</sup>	1,100	End	Bottom or Side	N/A
MP-1	5 – 15	59	53	99	22	30	2,700			Side
MP-2	15 – 30	73	68	109	27	30	4,500			
MP-4	20 – 43	90	68	156	22/27	30	6,400			
MP-5	30 – 70	99.5	96	185	52.5	N/A <sup>a</sup>	7,950			
MPE-1	5 – 15	59	53	150	22	30	3,400			
MPE-2	15 – 30	73	68	163	27	30	5,100			
MPE-4	20 – 43	90	68	224	22/27	30	8,300			
MPE-5	30 – 70	99.5	96	263 <sup>b</sup> /307 <sup>c</sup>	47	N/A <sup>a</sup>	10,450			

<sup>a</sup> Condensing Section mounted on top of unit

<sup>b</sup> Length with bottom return

<sup>c</sup> Length with side return