

PremiSys® Fusion DOAS Improves Efficiencies, Reduces Sound in VRF Applications

SUWANEE, Ga., March 8, 2016 – [Mitsubishi Electric US, Inc. Cooling & Heating Division](#) (Mitsubishi Electric), a leading marketer of advanced cooling and heating systems for commercial applications, introduces the **PremiSys® Fusion Dedicated Outside Air System (DOAS)** – a premier split-system solution for acclimatizing outside air for commercial buildings.

PremiSys Fusion DOAS is a split-system consisting of a Variable Refrigerant Flow (VRF) outdoor unit and an air handler. The system is designed to handle 100 percent outside air with energy recovery models. It offers an energy-efficiency improvement of up to 20 percent over a traditional dedicated outside air system.

“The integration of Mitsubishi Electric’s VRF technology with the PremiSys DOAS allows PremiSys Fusion to deliver greater efficiencies and flexibility than previous models,” says Kevin Miskewicz, senior manager, commercial marketing, Mitsubishi Electric US, Inc. Cooling & Heating Division. “The system incorporates INVERTER-driven compressors, which significantly reduce energy use, and provides building owners and managers with improved equipment operation, reduced noise and improved quality of outside air delivery.”



PremiSys Fusion DOAS is the latest innovation among the Mitsubishi Electric dedicated outside air systems. The two models – MPF-1 and MPF-2 (a split-system with energy recovery) are pre-engineered to provide semi-custom flexibility. Heating options include modulating gas heat, electric and hot water coils.

(more)

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			

Chart shows specifications of both available units, MPF-1 and MPF-2.

PremiSys Fusion DOAS not only offers improved efficiencies, but building owners can also save on operating costs. The use of an INVERTER-driven compressor in the PremiSys Fusion DOAS allows the unit to better match the conditions of the targeted temperature and outside air – this technology results in significant energy reduction during mild and moderate months of the year. Other benefits include:

- Equipment location – allows for a distributed load on the roof by separating the condenser from the dedicated outside air unit by up to 50 feet.
- Humidity control – single refrigeration circuit provides directly proportional reheat to the entire cooling load, allows for room-neutral conditions, and humidity control.
- Cooling capacity of 5 to 20 tons.
- Optional accessories include smoke detectors and condenser hail guards.

More information on the PremiSys Fusion DOAS can be found at

www.mitsubishipro.com/ready.

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About Mitsubishi Electric US, Inc. Cooling & Heating Division

Mitsubishi Electric US, Inc. Cooling & Heating Division (Mitsubishi Electric) is headquartered in Suwanee, Georgia. Mitsubishi Electric is a leading marketer of ductless and Variable Refrigerant Flow (VRF) air-conditioning and heating technology in North America, Latin America, the Caribbean and Bermuda. In 1982, Mitsubishi Electric introduced its state-of-the-art, ductless air conditioners and heat pumps in North America and later expanded its product line with VRF zoning heat pump systems using INVERTER technology to offer simultaneous cooling and heating capabilities. The division also offers compressors and a full line of air-conditioning accessories. Mitsubishi Electric products have won 58 innovation and excellence awards, most recently, the 2015 Record Products Award from *Architectural Record*,

a 2015 Product Innovation Award from *Architectural Products*, a 2015 Money-Saving Products Award from *BUILDINGS* and a 2015 AHR Expo Innovation Award from *ASHRAE*. More information is available at www.mehvac.com and at Mitsubishi Electric's [blog](#). Mitsubishi Electric is also on [Facebook](#), [Twitter](#), [Pinterest](#) and [YouTube](#).

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