Modine Redesigns Airedale ClassMate® Packaged Ventilation Unit

RACINE, Wis.--(BUSINESS WIRE)-- Today, Modine Manufacturing Company (NYSE: MOD) formally introduced the redesigned Airedale ClassMate® single packaged vertical DX cooling and heat pump system. ClassMate offers efficiency, noise reduction and a smaller footprint, providing the greatest flexibility for school installations. Modine offers the ClassMate in four capacities, from 24-60 MBH, and in two cabinet sizes. Also, Modine has boosted the Energy Efficiency Ratio (EER) up to 12% over the existing ClassMate HE for Integrated Part-Load Values up to 16.1.

A key ClassMate improvement is the use of Modine’s own, patented CF® microchannel evaporator coil, which replaces a much larger coil traditionally used in these types of systems. This technology, combined with a reduced refrigerant charge and airside pressure drop, allows extra space to be opened up for multiple supplemental heat exchangers, such as a hot gas reheat coil, hot-water coil or electric heat elements, to be factory-installed in the ClassMate unit. The result is a more compact model that does not require a plenum for additional heat and reduced installation time.

Other standard features of the new ClassMate include: modulating, electronically-commutated fan motors; availability of combination energy recovery and economizer modules, permitting either heat recovery for outside air or fully modulating 100% economizer; maximized capability with the Modine Controls System; front-access to all components; decreased sound and power output; use of R410a refrigerant; and modulating economizer damper for 100% free-cooling and fresh-air requirements.

Optional ClassMate features include: factory-supplied BACnet or LonWorks compatible controls; hot water heating coil and valve/piping packages for hydronic heating options with top or bottom connections; and demand control ventilation.

“We are very excited about this significant redesign of our ClassMate product,” said Matt McBurney, Modine’s Vice President — Commercial Products Group. “With this, Modine continues to demonstrate our significant capability in the packaged ventilation market and our commitment to continuous product development.”

About Modine

Modine, with fiscal 2013 revenues of $1.4 billion, specializes in thermal management systems and components, bringing highly engineered heating and cooling technology and solutions to diversified global markets. Modine products are used in light, medium and heavy-duty vehicles, heating, ventilation and air conditioning equipment, off-highway and industrial equipment and refrigeration systems. The company employs approximately 6,600 people at 30 facilities worldwide in 16 countries. For more information about Modine, visit www.modine.com. For more information about Modine’s Commercial Products Group, visit www.modinehvac.com.

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