



ECM FAN ARRAY FOR VISION[®] AND SKYLINE[®] SEMI CUSTOM AIR HANDLERS



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SPACE-SAVING FOOTPRINT, INCREASED EFFICIENCIES, AND QUIETER OPERATION

With space at a premium, specifying an air handler with a tight footprint is ideal. Daikin's industry-first, factory-installed ECM fan array for Vision® and Skyline® semi-custom air handlers delivers award-winning, space and cost-saving cabinet design that also yields greater efficiencies and quieter operation.

A CUSTOMIZED SOLUTION FOR YOUR BUILDING

Daikin's ECM fan array is incredibly flexible, fully-selectable, and factory-installed with a significantly narrower cabinet than those using direct-drive or belt-driven fans.

Available for both return and supply configurations, this fan array can accommodate up to 20 ECM fans manufactured in 40 unique arrangements to meet application requirements.



EFFICIENT AND QUIET ECMS

For ECMs, the inverter is an integral component of each motor — a step up from more expensive, louder, and space-requiring variable frequency drives. The ability to modulate the speed of the ECM fan array allows it to operate more efficiently at part load conditions, resulting in improved energy and cost savings.

ECM FAN ARRAY FEATURES & BENEFITS

MAKE THE MOST OF A SPACE WITH A NARROWER FOOTPRINT

Each fan's ECM is mounted directly to its impeller for a compact design that eliminates nearly three feet of cabinet space. That's 46 percent narrower than models with direct drive motors and 52 percent narrower than models with belt-drive fans. When floor space is at a premium, ECM fan array frees up valuable square footage for use where it's needed most.



DEPENDABLE OPERATION, REDUNDANCY, AND REDUCED MAINTENANCE

ECM fan array offers redundancy for mission-critical applications requiring uninterrupted airflow. With options to configure for n+1 fans, fan array will always provide operational backup when it's needed.

In addition, very little maintenance is required for ECM fans. Their technologically advanced design reduces the need for mechanical maintenance to belts and bearings and attributes to reliable performance throughout the ECM's extended lifecycle.



ECM FAN ARRAY FEATURES & BENEFITS CONT.



FLOWGRID SOUND MUTING PERFORMANCE

The optional FlowGrid grill is factory-installed over each fan's air intake to ensure even quieter performance, by reducing the blade-passing noise and the lower frequency octave bands by up to eight decibels.

An upgrade to the already-quiet ECM fan array, FlowGrid technology adds premium sound muting performance to any Vision or Skyline air handler, which can be especially crucial for sound-sensitive applications.

FACTORY MOUNTED FAN CONTROLLER

The MicroTech 4 controller offers advanced technology with adaptive algorithms making equipment configuration and fan array management easier.

The optional controller is factory installed on the unit, with the option for remote mounting, and can be configured for constant air volume, variable air volume, or fan tracking applications. Fan performance can be monitored via standard, factory installed airflow measurement. System operation and diagnostic information is readily available via the on-board display, for simple, intuitive troubleshooting.



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