

Compact Fan Array Option

More Performance in a More Compact Footprint

ClimateCraft now offers a new, even more compact version of our FanMatrix™ fan tower for the ultimate in fan array flexibility. The new option is available in ClimateCraft custom air handlers up to 20,000 cfm capacity – typically where a compact footprint can be most beneficial.

Now you don't need to sacrifice redundancy, flexibility or quality to meet the most demanding air handler requirements for size or weight. These compact fan towers are built by ClimateCraft with the same quality and reliability standards as the standard size FanMatrix fan arrays. In fact, they have many of the same system benefits during installation and through the life of the unit.

ClimateCraft Fan Array Benefits

- Redundancy of multiple fans to minimize downtime for critical applications
- Optimized airflow and energy efficiency
- Better acoustics through the use of optimum fan size, fan quantity and speed of the fan for easier cabinet attenuation
- Reduced maintenance achieved by using multiple direct-drive fans
- Easy access for installation with fan cubes that can fit through a standard three-foot wide door and onto a standard elevator.

Availability

The new compact FanMatrix array is available on a variety of ClimateCraft custom products, for new and retrofit units.

- Indoor air handlers
- Outdoor air handlers
- ACCESS™ air handler replacement systems

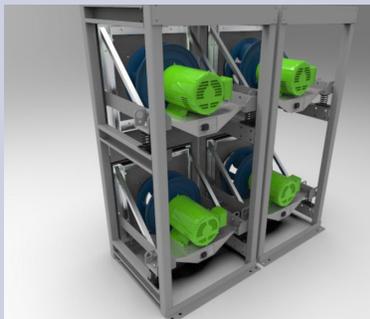


A side-by-side comparison of a standard sized FanMatrix array on the left with the compact fan array on the right.

Key Advantages

- New fan tower size allows N-1 for air handlers up to 20,000 cfm
- New fan wheel offers higher efficiencies
- Up to 30% less weight than our standard fan array system of comparable airflow capacity

In addition to vertical fan towers, the new ClimateCraft compact FanMatrix towers are also available in multiple arrangements to optimize fan space in projects with the most challenging footprint requirements.



2 by 2 fans



4 by 2 fans



4 by 4 fans

Compact FanMatrix™ Array Features and Benefits

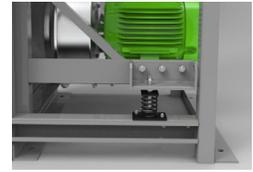
Fan Wheel and Cones

High efficiency, backward curved air foil blades with single hub and bushing for each fan wheel.



Spring Isolation Design

Same design as the standard FanMatrix product, however, the weight has been significantly reduced for easier installation.



Motor Winch for Easy Service

Convenient method of removing a fan assembly with only one winch required per array.



Compact Fan "Sled" (fan array cube)

Side channels allow easy adjustment of motor mount during installation or servicing.



Motor Mount

Alloy material reduces stress-induced fatigue and is optimized both to resist harmonic resonance while operating, and to reduce weight.



For more information about the ClimateCraft compact fan array, or any of our other fan array systems, contact your local ClimateCraft representative.



ClimateCraft's fan arrangement products allow for fans to be turned on and off for safety, repair and maintenance purposes. ClimateCraft's fan arrangement products are not designed to turn individual fans on and off for the purpose of improving fan arrangement efficiency, and ClimateCraft does not endorse turning individual fans on and off for the purpose of improving fan efficiency. Any statement to the contrary is not supported by ClimateCraft.



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