

CLASS 10000 FANS



SETTING THE STANDARD IN INDUSTRIAL AIR FLOW

As the workhorse of the Moore family of fans, you'll find our Class 10000 in a wide array of applications - from air coolers to cooling towers, radiators to warehouse ventilation. Because of their adjustable diameter hubs and blade angles, these fans are capable of achieving optimal performance at lower speeds and reduced noise levels than their competitors. Resiliently mounted blades make them ideal for variable speed operation available in both left-hand (LH) and right-hand (RH) rotation while providing enhanced durability.

KEY FEATURES OF MOORE CLASS 10000 FANS

Adjustable diameter and blade angle:

Provides precision tip clearance and blade angle changes to meet performance conditions.

Blade materials:

5052 marine grade aluminum alloy provides optimal corrosion resistance, performance and durability. FRP is also available.

Hub types:

Manual, automatic and extended hubs available.

Resilient blade mounting:

Ideal for variable-speed drives. Provides improved durability and eliminates resonant frequencies.

Vortex tips and wider chord lengths:

Ideal for low-noise environments. Reduces noise and achieves the same performance with fewer blades.



SC

CLASS 10000 STANDARD CHORD

For general use applications

With innovations you won't find anywhere else in the industry, Moore 10000 SC fans are found all over the globe. The manually adjustable version of the Class 10000 SC are particularly ideal for installations with shallow rings and in retrofit situations because of Class 10000 SC can adjust fan blades during operation using pneumatic actuators. A heavy-duty version offers a strengthened hub for engine driven applications, while optional vortex tips can reduce noise levels two to three decibels where sound is a factor.

The manual SC fans range in diameter from 3 to 24 feet and the automatic fans range from 4 to 16 feet in diameter.



EC

CLASS 10000 EXTENDED CHORD

For low noise applications

The Class 10000 EC fans offer a wider chord to achieve the same air movement using fewer fan blades than the SC model, or provide even greater performance using the same number of blades. The airfoil blade design increases efficiency while achieving a considerable reduction in noise levels. The trailing edge of the EC blade is robotically spot welded rather than riveted reducing surface turbulence and noise, while still having the strength to endure use in engine driven applications. EC fans are available in LH or RH rotation.

The diameter of Class 10000 EC fans ranges from 5 to 18 feet. The adjustable angle blades are available in our standard aluminum or fiber reinforced plastic (FRP).



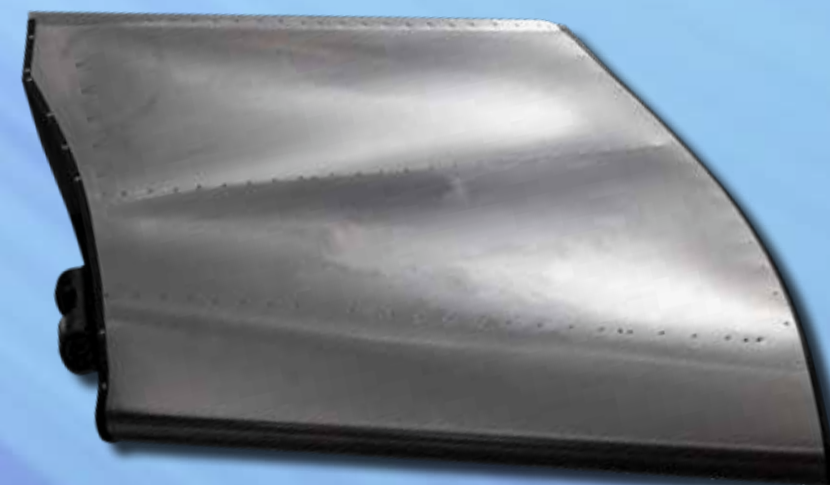
XC

CLASS 10000 XTRA WIDE CHORD

For super-low noise applications

The newest addition to the family, the Class 10000 XC, widens the chord of the blade even further, allowing it to provide exceptional performance with fewer blades than our EC fans. With fewer blades and our proprietary XT vortex tips, XC fans provide an economical solution in situations where quiet operation is a primary consideration, but the need may not arise to the level of requiring our ultra-quiet MAG fans.

Available in diameters from 7 to 16 feet, these fans are made using the same leading-edge manufacturing processes as our EC fans.



MAG

CLASS 10000 MINIMUM ACOUSTIC GEOMETRY

For ultra-low noise applications

When noise levels must be kept to an absolute minimum, rely on our Class 10000 MAG fans. We create an especially smooth surface on MAG blades using robotic spot welds and flush rivets, then fill them with acoustic foam to further cut vibration and noise. The result is performance and sound power levels comparable to the lowest noise axial fans on the market.

Suitable for engine driven applications, Class 10000 MAG fans range from 5 to 24 feet in diameter and can operate in both LH and RH orientation.



THE LEADING EDGE OF FAN INNOVATION

All Moore fans are made in the USA utilizing superior design, materials and manufacturing processes. Below are some of the key Moore Fan features that set them apart from other manufacturers' fans:

Precision Adjustments

Not only can Moore fans be fabricated to your specified diameter, they also include hubs with up to a 1.5 inch diameter adjustment on most models, along with adjustable blade angles, which allow Moore fans to achieve optimal performance at lower speeds and noise levels.

Resiliently Mounted Blades

Resiliently mounted blades reduce the stress transmitted to the drive and increase bearing life. They also assist in eliminating resonant frequencies that can cause the fan to behave improperly at specific speeds, making our fans particularly well suited to applications with variable frequency drives (VFDs) and in environments where high wind speeds can be a factor.

Manufactured Aluminum Components

By manufacturing blades and hubs from aluminum, our fans achieve a more efficient airfoil design along with improved durability. The lightweight 5052 marine grade aluminum in our blades provides resistance to salt water corrosion and are labeled non-sparking by the American Society of Metals. Aluminum also mitigates the effects of erosion/pitting from sand – all without any special coatings or additional materials.



OPTIONAL EQUIPMENT

We custom manufacture all of our fans to suit your specific application. Our optional equipment and services help ensure our fans fit your exact needs.

AirBrake®

Our anti-windmilling device easily installs on the shaft or bushing of your fan drive system to prevent reverse rotation. Maintenance-free and featuring a low-profile design, AirBrake makes your fans safer to maintain while extending the life of your drive systems.

FRP and Anodized Blades

When specified, we can provide fiber reinforced plastic (FRP) or anodized aluminum blades on select fan models.

ATEX Certified Tips

In hazardous or potentially explosive atmospheres, our plastic ATEX certified tips can ensure the safe and spark-free operation of our fans.

Root Seals

Riveted onto the root of the blade, the seals prevent water and other contaminants from entering the body of the blade.

Extended Hubs

Extended hubs allow for greater clearance between the fan and drive system, which makes them ideal for installation directly on the motor, and in a wide range of aftermarket situations.





A TRUE PARTNER IN INDUSTRIAL AIR FLOW SOLUTIONS

Since 1940, Moore Fans has been manufacturing high-efficiency, high-quality axial flow fans for industrial applications. Today, more than 400,000 Moore fans operate across the globe in air-cooled heat exchangers, cooling towers, radiators and more.

We work as an extension of your team, integrating custom solutions directly into your engineering plans. Then we manufacture them utilizing the latest machining and testing procedures to achieve unmatched quality in every component. The result is some of the highest efficiencies and lowest noise levels in the industry.

WE'RE HERE TO HELP

As your partner in developing air flow solutions, know that we're always at your service. Facing a new air movement challenge? Our experts are here to collaborate with you.

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