



**INDUSTRIAL AIR  
FLOW SOLUTIONS**



# TRUE PARTNERS



When you face engineering challenges that require air handling solutions, you can rely on Moore Fans, your strategic partner in air flow backed by 80+ years' experience.

We're at our best when working as an extended member of your team. We'll be there with you from the beginning of your project, working to integrate custom solutions directly into your engineering plans. We take your challenges as our own, spending time to truly understand the issues, and devote undivided attention to solving the problem – whatever it takes.

We want to work closely with you and provide the kind of service that has you bringing us back to help with what comes next. Building upon previous successes, we're here to be your True Partner.



## Exceptional Service

Moore Fans representatives stand ready to provide quotes within 24 hours. With expedited production, we can produce fans in 1 to 2 days in most cases.



Installations throughout the world



Customer Service team makes ordering a smooth process



Designed to be efficiently installed on location

## A Legacy of Innovation

Since 1940, we've provided our customers with high-efficiency, high-quality axial flow fans for industrial applications worldwide. Operating in air-cooled heat exchangers, cooling towers and radiators, Moore fans keep fluids cool in refineries, power plants, processing plants, gas compressors and dozens of other applications.

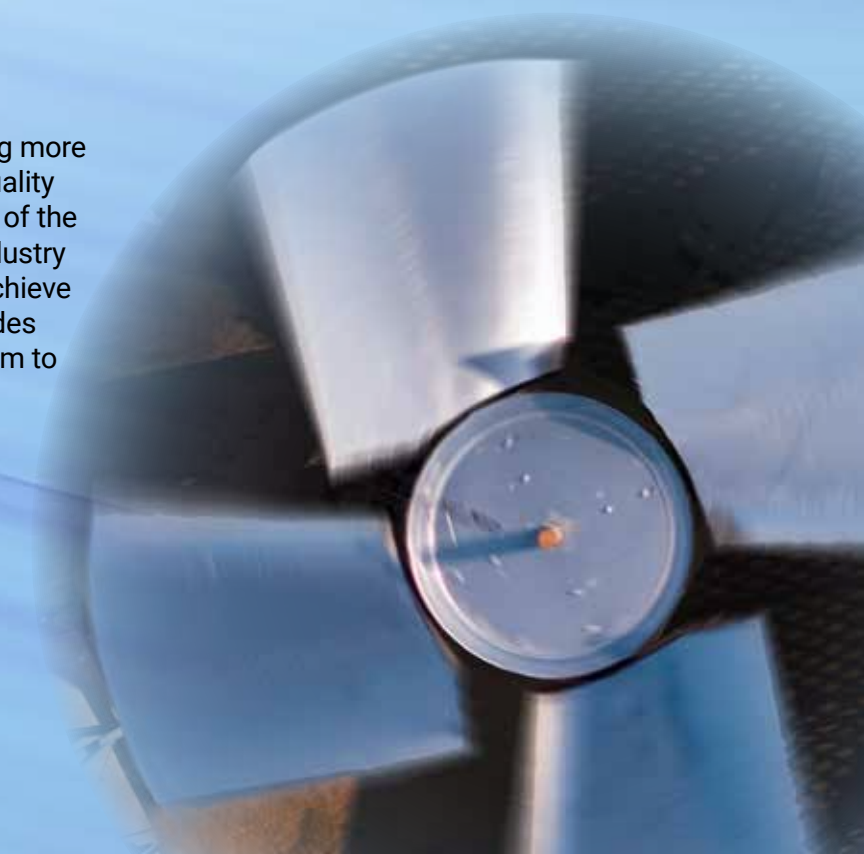
With more than 400,000 fans now in operation globally, Moore factory engineers and customer service representatives stand ready to help you analyze your air moving requirements, design the right solutions for your needs, and provide reliable service and support throughout the life of your fans.



Providing air flow solutions for 80 years

## The Moore Engineered Advantage

When you specify a Moore Fans design, you're getting more than just a plug-and-play solution. You're getting a quality engineered fan built to last. Moore Fans offers some of the highest efficiencies and lowest noise levels in the industry because we're not afraid to do things differently to achieve the best possible performance. We fabricate our blades from lightweight aluminum, and resiliently mount them to hubs to maximize their life. Plus, they're quickly and easily installed and offer precision diameter and angle adjustments to maximize performance like nobody else in the industry.

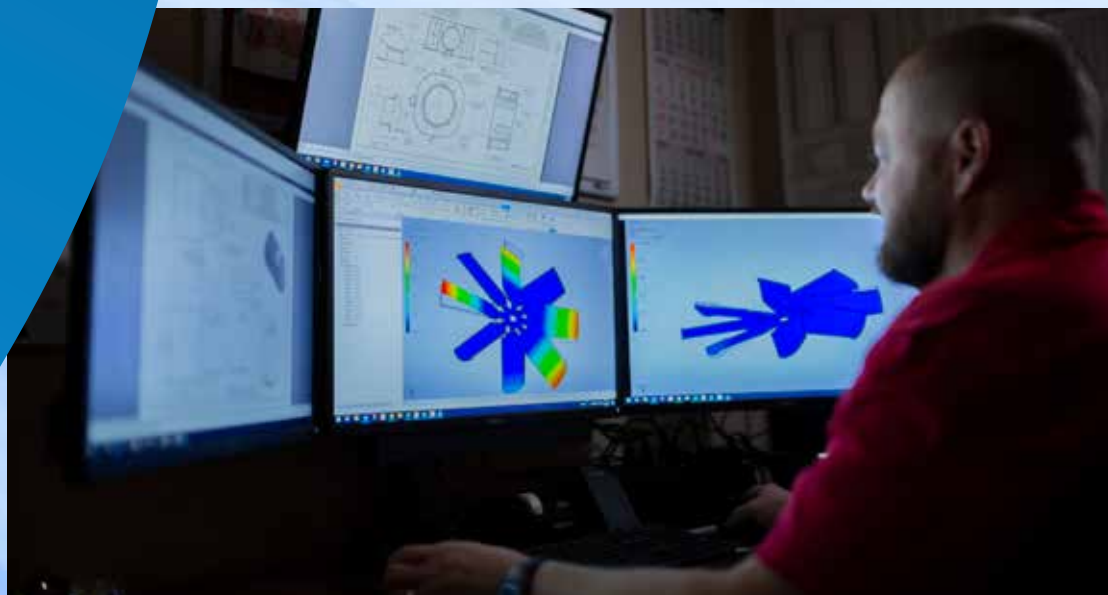




# ON THE LEADING EDGE

Since our inception, innovation has been a hallmark of Moore Fans. We were the first to design and construct fabricated, stressed skin fans, the first to utilize resiliently mounted blades, and the only company to provide an ultra-low noise engine-driven fan.

Today, our quest for perfection continues to refine our design and manufacturing processes to provide you with products that are more efficient than ever. We utilize the latest software design tools, manufacture using precision fabrication, then verify our advancements through strain gauge stress studies, life cycle tests and CFD analysis.



Leading edge milling technology



Robotic welding for accuracy and durability



Fans custom engineered to meet customer specifications



MAG fan being balanced for precision performance

## Revolutionary Efficiency

Moore manufactured aluminum fan blades are the most efficient available because we can achieve a better airfoil design. Moore fabricated aluminum blades provide higher efficiencies and greater durability, all while decreasing the fan's weight.

## Superior Design and Materials

Moore Fan blades are manufactured from 5052 marine alloy aluminum with low copper content, which provides superior resistance to salt water corrosion, while hubs are fabricated from 6061 aluminum. Using aluminum components minimizes the effects of sunlight or erosion/pitting from sand – all without any special coatings or additional materials. Our aluminum blades also cannot burn and are labeled non-sparking by the American Society for Metals.

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. This design makes Moore fans particularly well suited to applications with variable frequency drives (VFDs), as well as in environments where high wind speeds can be a factor.

## Manufacturing Capabilities

Moore Fans utilizes the latest machining and testing procedures to achieve unmatched quality in every component. Our leading-edge processes allow us to customize thousands of different fans to the precise customer specifications. We're able to get fans out the door rapidly due to our self-manufactured, high-quality blades and small parts inventory.



# THE MOORE FAMILY OF FANS

Our high-efficiency axial flow fans set new standards for performance and ease of use. While we offer a range of designs, every fan we deliver gets customized to your unique specifications and needs.



## Class 10000 Heavy Duty Standard Chord

Heavy Duty (HD) Standard Chord (SC) models are available with adjustable diameter hubs and blade angles to achieve optimal performance at lower speeds and noise levels. Blade angle adjustment is available as manual or automatic. Resiliently mounted blades make them ideal for variable speed operation and provide greater durability. The 10000 HD fans offer a strengthened hub for engine driven applications, including air-cooled heat exchangers, cooling towers and radiators.

For precise temperature control, Class 10000 Automatic fans with pneumatic actuators adjust blade angles while the fan is in operation to change cooling on demand.

## Class 10000 Heavy Duty Extended Chord

Extended Chord (EC) blades allow Class 10000 HD fans to operate with the same performance using fewer blades – or with even greater performance when using the same number of blades. They provide lower noise levels thanks to the unique blade chord design, standard Vortex (VT) tips, and robotic spot welds on the trailing edge.

## Class 10000 XC

The XC blades provide the next level of noise reduction – even lower than the EC model. The design features a larger chord width, which lowers noise and allows for reducing the number of blades. This design increases air flow performance while lowering cost.

## Class 10000 Minimum Acoustic Geometry

Designed for ultra-low noise installations, Class 10000 Minimum Acoustic Geometry (MAG) blades are available up to 24 feet in diameter and feature an especially smooth surface created using robotic spot welds and flush rivets. High-density foam filling further reduces noise levels. The results are performance and sound power levels comparable to the lowest noise axial fans on the market.

## Class 20000

For applications from 24 feet or above, Moore Class 20000 fans set the standard. Fabricated, non-extruded blades flex in a similar manner to aircraft wings in order to provide maximum air flow while keeping weight to a minimum. VT tips reduce drag and an aerodynamic seal over the hub prevents backflow, further enhancing efficiency.

## Class 1000

Class 1000 fans offer an efficient air flow solution for applications from 24” to 60”, and feature the same engineering design and aerodynamics of the larger fans.



## **A TRUE PARTNER IN INDUSTRIAL AIR FLOW SOLUTIONS**

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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**

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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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