

A HOW-TO GUIDE

Stay Cool This Summer With AMS Fans

NorTex Sales & Services
nortexss.com

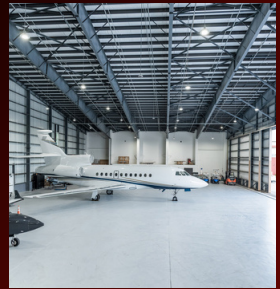


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CLEAN BURN | AMS FANS

High Performance Fans

Clean Burn products are purchased & serviced solely through a distributor network.

As your Clean Burn Authorized Distributor in Texas, NorTex Sales & Service is excited to announce that we are selling Air Movement Solutions (AMS) Industrial Grade Fans.



Clean Burn offers two options, AirMobile High-Performance Portable Fan & AirFocus High-Performance Overhead Fan.



An alternative to overhead HVLS (High-Volume Low-Speed) Fans.



CHAPTER ONE

Air Movement Solutions Industrial Grade Fans

Who/What is Air Movement Solutions?

Air Movement Solutions (AMS) entered the market to give consumers an alternative option. Customers were presented with either small (and loud) barrel fans or very large and higher-priced High-Volume Low-Speed (HVLS) fans.

The market demanded a product that was quiet, provided a ton of air, would install as a DIY, and not cost a fortune.

As a result, AMS Fans were introduced to the market. They created a product that provides more flexibility in installation & location.

Experience the quiet breeze of huge air, at a price you can afford. AMS Fans bring to market the best value for your money and our proudly made and assembled in the USA.



CHAPTER ONE: UNDERSTANDING AMS INDUSTRIAL FANS

Important Questions to Ask:

FAQ

1. What air flow does my facility need?
2. What contributes to employee comfort & productivity?
3. What are the features of a quality industrial fan?
4. What is the difference between a Barrel Fan and AMS Fan?
5. What is the difference between an HVLS Fan and AMS Fan?
6. What is the difference between the six Airfoil and the three Airfoil design?



AMS FAQ



1. How long does the installation process take?
2. How easy is it to move AMS Fans?
3. How are AMS Fans so quiet?
4. Can AMS Fans be hard-wired?
5. What do AMS Fans require electrically?
6. What is needed to assemble AMS Fans?
7. What is the warranty for AMS Fans?
8. What is the lifespan of an AMS Fan?
9. What is the lead time for an AMS Fan?
10. Where are AMS Fans made?

CHAPTER ONE: UNDERSTANDING AMS INDUSTRIAL FANS

FAQ

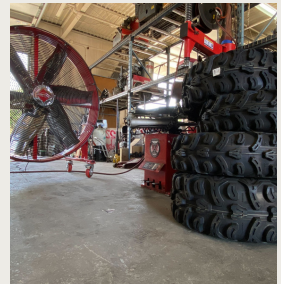
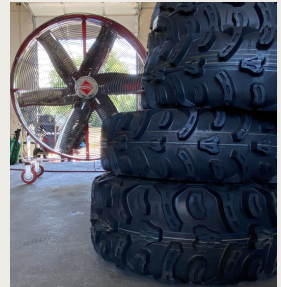
1. While some layouts are similar, many facilities are quite different as it relates to their physical layouts and where the employees are located. Purchase one, install it - experience the cool breeze firsthand, then decide if one unit is enough. Once you have an idea of what works best for your facility let us know if you'd like to purchase another.
 - a. If a shop configuration changes daily, weekly, or monthly, a Mobile fan is very easily moved to accommodate the changes.
2. Industrial fans provide safe, silent air movement, and focus cooling air where it is needed most.
3. Features of a quality Industrial Fan can be low noise level, the ability to adjust the angle of air throw, wide cooling coverage, portability, safety features, industrial grade materials, etc.



CHAPTER ONE: UNDERSTANDING AMS INDUSTRIAL FANS

FAQ

4. AMS fans are similar to barrel fans in that they are both directional fans, however, AMS fans are a fraction of the noise level of barrel fans.
- a. AMS fans operate at under 44 dB creating a more pleasing work environment.
 - b. AMS fans feature a wider and longer airflow resulting in better comfort compared to traditional units.
5. AMS fans are conveniently and uniquely sized to fit into spaces where other fans may not fit. AMS fans operate at a whisper-quiet noise level, move tremendous amounts of air, and are a unique solution for any facility that needs a safe, economically priced solution for big air delivery in their space.
6. Six Airfoil design provides a wider, conical airflow allowing for wider air coverage, up to 10x the diameter of the fan. The three Airfoil design has a narrow, focused column airflow allowing for air to move 100'+.



CHAPTER ONE: UNDERSTANDING AMS INDUSTRIAL FANS

AMS FAQ

1. The installation process is very easy. The AirMobile Fan doesn't require installation and has Industrial Casters that roll easily. The AirFocus utilizes the adjustable Safe-Strap system that can be removed and re-installed quickly and easily on a DIY basis.

a. The AirFocus Safe Strap mounting system is easy and completely flexible. The four straps attach to an eyebolt on the fan frame. The other end of the strap is attached to the ceiling structure with an eyebolt or by simply wrapping the strap around a beam or joist.

b. AirFocus weighs only 134 lbs. Each Safe Strap holds over 4000 lbs (engineered and designed to be a very safe installation process).

c. On average, one fan can be assembled and installed (hung in place with the electrical run to it), in less than 1 hour.



CHAPTER ONE: UNDERSTANDING AMS INDUSTRIAL FANS

AMS FAQ

2. AMS Fans are very easy to move. Simply lock and unlock the castor wheels when relocating the fan. The AirFocus utilizes the adjustable Safe-Strap system that can be removed and re-installed quickly and easily on a DIY basis.
3. AMS fans are all belt-driven. Not only does the Kevlar belt allow for a quiet operation but they are more reliable, high performance, and they also improve the longevity of the belt and fan unit.
4. Only the Single Speed Version of AirFocus can be hard-wired per electrical code. Single-speed industrial fans must be wired into a switched circuit and cannot be controlled by a variable speed controller.
5. AirMobile and AirFocus fans run on 120 Volt, 60 Hz, single phase, but they can be wired for 220 Volt if needed. Each fan includes a 15' power cord with a 3-prong plug. You can use a high-quality 14- or 16-gauge extension cord to increase the distance from plug to fan.



Continued >>>

CHAPTER ONE: UNDERSTANDING AMS INDUSTRIAL FANS

AMS FAQ

5. The Variable Speed Fans cannot be plugged into a GFCI Outlet as these two items don't work well together.

6. Unpack the fan onto a soft, protective surface (foam wedges included) with the baseplate positioned near the top. **The fan ships with the motor plate, pulley, and belt attached.

a. Attach casters to the AirMobile Fan. Attach the two wheels.

7. AMS fans have a 5-year factory warranty against defects in material or workmanship on the unit. The motor and VFD have a 1-year manufacturer's warranty for defects in materials or workmanship.

8. With regular inspection and maintenance on your fan, AMS fans can last 12+ years.

a. Throughout the life of the fan, clean the fan blades and check the drive belt (adjust the tension if/when necessary) periodically to maintain the fan's efficiency.

9. Lead times are around 10 - 14 business days from the time of order.

10. AMS fans are made and assembled in the USA.



CHAPTER TWO

Are AMS Fans For Your Industry

Almost all industries can use industrial fans whether it's for ensuring proper ventilation for the health & safety of employees and customers, circulating fresh air and removing odors, or used for cooling and drying applications to name a few.

A big reason for the use of industrial fans is to create a comfortable workspace for employees to be productive during the hot summer days. A lot of factors contribute to 'comfort' in a space. Thermal Comfort is comprised of - Insulation Level, Activity Level (Metabolic Rate), Air Temperature, Humidity Level, & Air Speed.

In summary, delivering air to where the people are is critical to providing the cooling effect (making a person feel cooler).

Take into consideration the activity level of your employees, and their mobility. Are they on lift trucks or pallet trucks and do they generate their own breeze as they drive? Are they stationary at a workspace and stay within a small area performing repeated tasks?

Whether the air is Focused on a warehouse, loading dock, factory floor, aisleway, restaurant, outdoor venue, farm, or anywhere in between, AMS Fans can provide the cooling effect anywhere.

CHAPTER TWO: ARE AMS FANS FOR YOUR INDUSTRY

Fan Selection Checklist

✓ **Determine Size of Space in Cubic Feet:** Multiply square footage of area by ceiling height

✓ **Determine Number of Air Changes per Hour (ACH):** For enclosed areas like warehouses, auditoriums, gyms, and similar spaces, 4-15 air changes per hour is a good rule of thumb.

✓ **Calculate Air Flow (CFM):** Multiply size of space by ACH

✓ **Location/Space:** Is floor space limited? Is Ceiling height a concern? Is it for indoors, outdoors, or both? High or low traffic space?

✓ **Quantity:** How many? Same or different type?

✓ **Design:** Stainless steel or aluminum? Preassembled or assembly required? Single or multiple speed settings? Adjustable louvers/blades or stationary?

✓ **Blade Type:** 6 Airfoil Curved Design? 3 Airfoil Design?

✓ **Noise Level (dB):** Decibel Rating (lower rating, quieter it is)?

✓ **Add-Ons:** Remote control or control box. Indoor and/or outdoor use. Portable or mounted.

CHAPTER TWO: ARE AMS FANS FOR YOUR INDUSTRY

Industry Applications

Industry	Applications
Shop	AMS fan can be moved to focus cooling air where it is needed, ensure proper ventilation for the health of its employees and customers, circulate fresh air, and remove odors, can be used to help exhaust air from a shop or supply outdoor air into the shop as needed.
Auto/Service Shops	AMS fans were designed to be portable, adjustable, & flexible. With the user in mind, AMS fans can be installed in tight spaces for maximum coverage, circulate fresh air and remove odors, replace stale and contaminated air with fresh air, and used in many cooling and drying applications.
Fitness/Gyms	Keep your members cool. AMS fans can produce a cool breeze, deliver air where you need it, are versatile to fit into your club's space, ensure proper ventilation for the health of its employees and members, circulate fresh air and remove odors, replace stale and contaminated air with fresh air, and used in many cooling and drying applications.

CHAPTER TWO: ARE AMS FANS FOR YOUR INDUSTRY

Industry Applications

Industry	Applications
Hospitality/ Rentals	AMS fans can be used either indoors or outdoors at many different events or gatherings. The silent operation and strong airflow make it a crowd pleasure at hospitals, hotels, resorts, sporting events, outdoor summer events, etc.
Factories/ Industrial Sites	AMS fans provide comfort solutions at an economical price and are a perfect option for spaces that require fans to be caged for safety reasons. Industrial fans provide air and gas movement, stirring up the air in enclosed areas, and replacing stale and contaminated air with fresh air. They can be used in many cooling and drying applications, they reduce high heat levels and prevent air stagnation when air conditioners are too expensive or aren't an option. They help reduce moisture levels.

CHAPTER TWO: ARE AMS FANS FOR YOUR INDUSTRY

Industry Applications

Industry	Applications
Spa	AMS fan can circulate fresh air, remove odors, help reduce moisture levels.
Agriculture/ Farm/ Greenhouse	AMS fans were designed to be portable, adjustable, & flexible. They circulate fresh air and remove odors, replace stale and contaminated air with fresh air, help reduce moisture levels, and are used in many cooling and drying applications
Construction	AMS fans provide comfort solutions at an economical price and are a perfect option for spaces that require fans to be caged for safety reasons. Industrial fans provide air and gas movement, stirring up the air in enclosed areas, and replacing stale and contaminated air with fresh air. They can be used in many cooling and drying applications, they reduce high heat levels and prevent air stagnation when air conditioners are too expensive or aren't an option. They help reduce moisture levels.

CHAPTER TWO: ARE AMS FANS FOR YOUR INDUSTRY

Industry Applications

Industry	Applications
Food Processing/ Winery/ Brewery/ Restaurants	Industrial fans help remove smoke and other odors in cooking and processing applications, they help regulate gaseous fumes, reduce high heat levels, and prevent air stagnation when air conditioners are too expensive or aren't an option, stir up the air in enclosed areas, replacing stale and contaminated air with fresh air and ensure proper ventilation for the health of its employees and customers.
Oil/Gas/ Mining	Can utilize industrial fans to circulate fresh air and remove odors, provide air and gas movement, stir up the air in enclosed areas, replace stale and contaminated air with fresh air, used in many cooling and drying applications, reduce high heat levels, and prevent air stagnation, help reduce moisture levels, help regulate gaseous fumes, and ensure proper ventilation for the health of its employees and customers.

CHAPTER THREE

Models

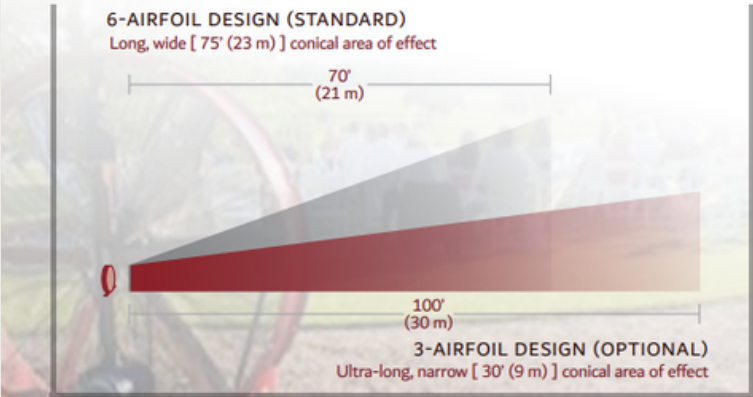
AirMobile

AirMobile is a portable fan that delivers huge air with very low noise levels. OSHA finger guarding, and useable indoors or outdoors.

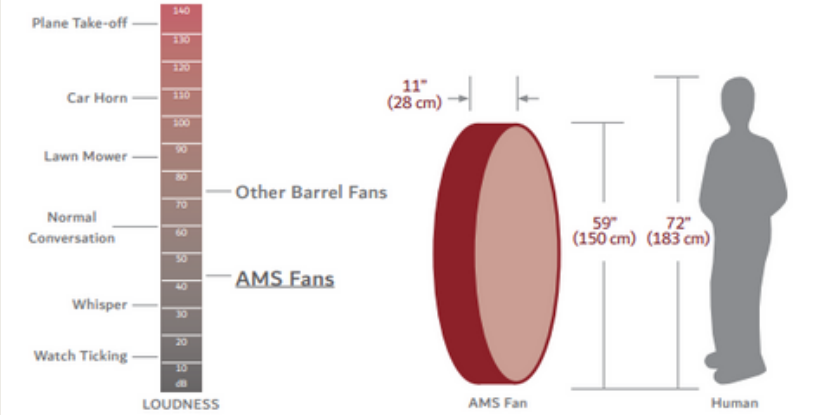
- Diameter: 59 Inches (1.5m)
- Weight: 265 lbs. (120.2kg)
- Electrical: 115-1P VAC (optional 230-1P VAC)
- Output: 43,000 CFM (1,360 m³/min)
- Motor: 1.5 HP, Inverter motor, Class F Insulation, TEFC Industry Duty, IP-55, UL
- Controls: Variable Speed VFD, IP-66 Enclosure
- Noise Level: 43.4 DB (20' from fan on axis)

CHAPTER THREE: MODELS & DIAGRAHMS

COVERAGE AREA



SOUND LEVEL & DIMENSIONS



CHAPTER THREE

Models

AirFocus Single Speed

AirFocus is perfect for any space and requires only two feet of clearance above the fan.

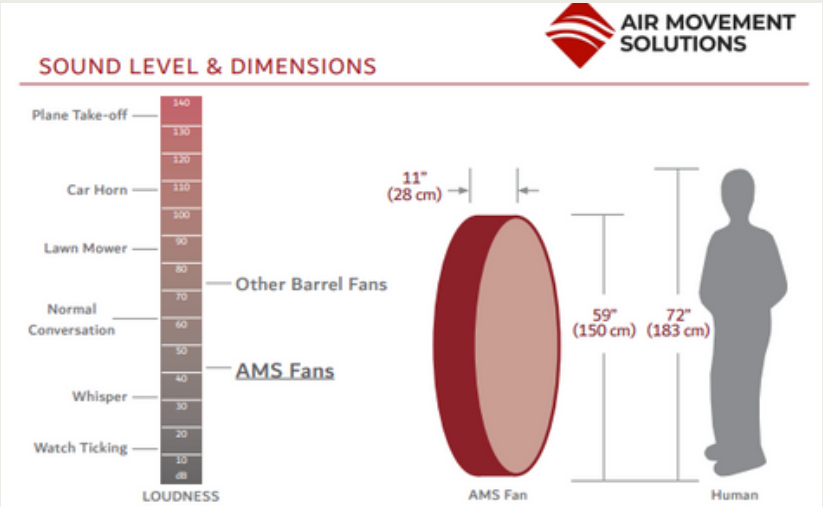
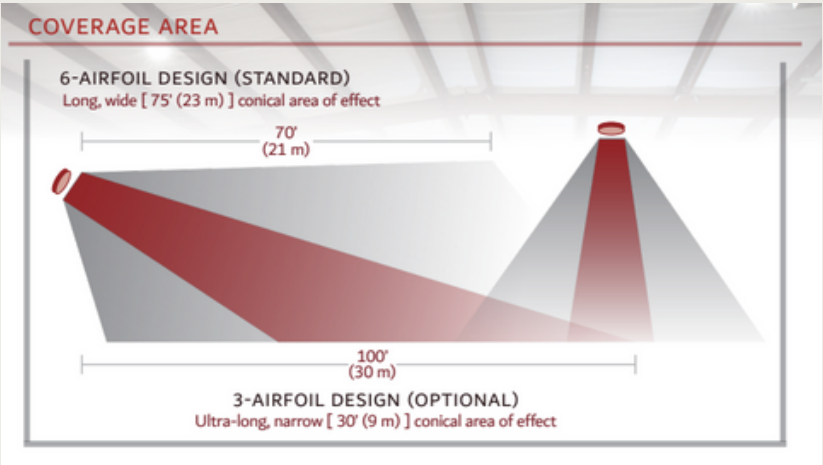
- Diameter: 59 Inches (1.5m)
- Weight: 118 lbs. (53.5kg)
- Electrical: 115-1P VAC (optional 230-1P VAC)
- Output: 43,000 CFM (1,360 m3/min)
- Motor: 1.5 HP, Inverter motor, Class F Insulation, TEFC Industry Duty, IP-55, UL
- Controls: AirFocus VS: Variable Speed VFD, IP-66 Enclosure, AirFocus SS: Single Speed
- Noise Level: 43.4 DB (20' from fan on axis)

AirFocus Variable Speed

Hang the AirFocus where you need it most, at the angle you prefer, and keep employees comfortable during the hot days of summer.

- Diameter: 59 Inches (1.5m)
- Weight: 118 lbs. (53.5kg)
- Electrical: 115-1P VAC (optional 230-1P VAC)
- Output: 43,000 CFM (1,360 m3/min)
- Motor: 1.5 HP, Inverter motor, Class F Insulation, TEFC Industry Duty, IP-55, UL
- Controls: AirFocus VS: Variable Speed VFD, IP-66 Enclosure, AirFocus SS: Single Speed
- Noise Level: 43.4 DB (20' from fan on axis)

CHAPTER THREE: MODELS & DIAGRAHMS



CHAPTER FOUR

Features & Benefits



Powerful Air Circulation

Designed to move impressive amounts of air, equalizing temperature and humidity.



Airflow

Provides airflow that spreads multiple times diameter for wide cooling coverage.



Improved Comfort

An increase in air speed makes a person feel cooler. Delivering air to where the people are is critical to providing the cooling effect.



Safe

Designed with a cage on the front of the fan to prevent any incidental contact.



Economical

Reduces the load on heating and cooling equipment.



Improved Productivity

Designed to provide cool, safe, and silent air movement so employees can maintain retention. Excessive noise can be very distracting.

CHAPTER FOUR: FEATURES & BENEFITS

Features & Benefits



Noise Level

Has a decibel range of 43 or less decibels - about the noise level inside your public library.



Flexible

Field adjustable, adjust the angle of air throw (change airflow from overhead direction...to an angled or longitudinal throw), and can fit where other fans cannot.



DIY

Order and install it whenever and wherever you want (DIY-Install). Fans are designed for a DIY Install, in under one hour per fan.



Portable

If a shop configuration changes daily, weekly, or monthly, a mobile fan is very easily moved to accommodate the changes.



Reliable

AMS fans are built to last. The steel shroud and steel cage provide the industry's most robust fan. It can take a hit, ding, bump, and still keeps operating.



Multipurpose

Can be used in just about every industry for countless applications indoors or outdoors.

CHAPTER FOUR: FEATURES & BENEFITS

Features & Benefits



Warranty

1-year motor and controls.
5-year material and workmanship.



Maintenance

Throughout the life of the fan, clean the fan blades and check the drive belt (adjust tension if necessary) periodically to maintain the fan's efficiency.



Installation

No need for a third-party to install the fan. Attach casters and wheels to the AirMobile fan upon unpackaging.



Cost

A cooling solution that doesn't have a high first cost and require an expensive installation.
A fraction of the cost and complexity of HVLS fans.



User-Friendly

Simple and sleek design, lightweight and no assembly required.



Durable

Last for 12+ years with regular inspections and maintenance.
AMS fans are structurally robust to last years.

CONCLUSION

Feel Cool

Using industrial fans provides many benefits when used properly in industrial settings.

They can be a cost-effective way to keep workers cool during warmer weather, maintain a comfortable and efficient work environment, and play a critical role in promoting safety and protecting your valuable inventory.

In addition, these powerful and efficient tools are indispensable in large and small facilities, warehouses, factories, etc. that require effective cooling solutions.

They create a healthy atmosphere as they enhance air circulation, remove pollutants, air contaminants, and smoke, and reduce offensive odors. As they decrease the heat and humidity levels, industrial fans provide valuable health and environmental benefits.



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