



**RITE·HITE FANS**

**OUTDOOR AUDITORIUMS**

**AIRPLANE HANGARS**

**ATHLETIC FACILITIES**

**HEALTH CLUBS**

**RESTAURANTS**

**CONVENTION CENTERS**

**AGRICULTURE**

# DID YOU KNOW?

You can use High-Volume/Low-Speed (HVLS) fans almost anywhere.





High-Volume/Low-Speed (HVLS) fans are specially designed to circulate air efficiently and effectively to improve comfort, safety and energy consumption in almost any environment.

Rite-Hite’s HVLS fans are the standard for low-cost, high-efficiency climate control. They deliver the most air movement of any HVLS fan on the market to efficiently heat and cool large spaces. They deliver the most air movement of any HVLS fan on the market to efficiently heat and cool large spaces. They also help cut down on humidity, moisture and bacteria while operating more efficiently than conventional fans.

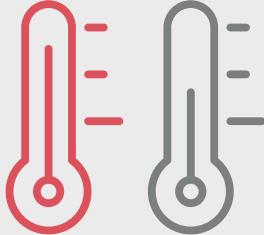
Learn more about HVLS fans or schedule a free product demonstration.


Find out more at [ritehite.com](http://ritehite.com)

# RITE-HITE FANS FOR YOUR NEXT PROJECT

## DID YOU KNOW? ONE HVLS FAN...


HELPS REDUCE TEMPERATURES BY **7°F TO 11°F**



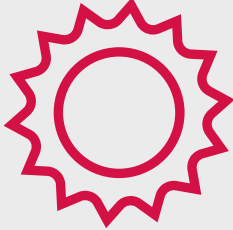


CAN COVER AN AREA UP TO **22,000 SQUARE FEET**


COSTS JUST **PENNIES TO OPERATE**




LOWERS **SUMMER ENERGY** CONSUMPTION BY AT LEAST 20%



REDUCES **WINTER ENERGY** CONSUMPTION BY UP TO 30%



CAN REPLACE UP TO **20 FLOOR FANS** OR SMALLER CEILING FANS



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It is estimated that the average person generates the same amount of energy given off by a 100 watt light bulb. Multiply that by thousands of people attending a concert or event, and heat load is a serious issue to consider as you plan and build amphitheaters.

We've installed fans  
in hundreds of  
applications worldwide.

Find out more at [ritehite.com](https://ritehite.com)

## KEEP PATRONS AND PERFORMERS COMFORTABLE

### DID YOU KNOW?

**10 degrees cooler** – HVLS fans create a 10-degree cooling effect, helping patrons stay comfortable, stay longer, spend more on concessions and return for another show.

**Increase tour season profitability** – HVLS fans keep arenas cool during summer months, allowing venues to be used even during the hottest months of the year.

**More acts, more patrons** – A comfortable venue helps attract more acts and more patrons. When patrons know they'll be comfortable, they might even choose to attend shows based on the theatre instead of the act.

**No disturbances** – HVLS fans are quiet, so they won't interfere with performances. They also don't interfere with A/V equipment.



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Inconsistent temperatures can lead to slippery floors and serious safety risks. Falls are the leading cause of employee injuries, according to the National Floor Safety Institute – and slips due to moisture on the floor make up more than 10 percent of all falls.

Ground damage events cost the business aircraft industry over \$100 million/year. Some, such as maintenance-related risks, environmental issues and towing risks, could be significantly reduced with HVLS fans.

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# SAFETY IN THE AIR AND ON THE GROUND

## DID YOU KNOW?

**Eliminate slippery floors** – HVLS fans mix warmer air at the ceiling with cooler air at the floor to minimize ceiling-to-floor temperature differentials and increase the surface evaporation rate.

**Keep it comfortable** – Plane owners will appreciate the comfort as they board their planes, and technicians working on highly advanced equipment will appreciate being able to concentrate on their work.

**Protect planes and mechanicals** – Reducing humidity, moisture and bacteria discourages condensation on the planes, cutting the risk of rust and mechanical issues.

**Eliminate birds** – The FAA receives more than 10,000 reports of bird strikes per year, at a cost of \$600 million to civil aviation. Fans discourage birds from nesting in the hangar, reducing the risk of bird strikes, and eliminating nests and droppings inside the hangar.



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Gymnasiums’ tall, open spaces are notorious for holding moisture and condensation. It’s recommended that gymnasium humidity levels stay between 30 to 60 percent to prevent common problems, such as mold and fungi, respiratory infections, warped floors and more.

HVLS fans prevent this moisture, while keeping large crowds comfortable with very little noise disturbance.

We’ve installed fans in hundreds of applications worldwide.

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# COMFORT FOR ATHLETES AND SPECTATORS

## DID YOU KNOW?

**Reduce heat load** – When a large number of people enter or exit the building at the same time, the heat load can make it difficult for HVAC systems to keep pace. HVLS fans reduce this heat load to increase comfort and save on heating and cooling costs—up to 30 percent lower heating costs.

**Prevent athletes from overheating** – HVLS fans regulate temperature more effectively, on and off the court, to keep athletes safe.

**Keep spectators comfortable** – HVLS fans distribute heat and cool air more effectively, no matter the size of the crowd.

**Extend space use** – Open spaces to summer camps or community activities, such as fundraisers, graduations and craft fairs.

**Dry floors and remove odors** – HVLS fans mix warmer air at the ceiling with cooler air at the floor to minimize ceiling-to-floor temperature differentials and increase the surface evaporation rate.



- The logo for Rite-Hite Fans, featuring the company name in a bold, sans-serif font with a stylized circular graphic element around the word "FANS".
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Inadequate air flow in health clubs and fitness centers can lead to indoor air pollution, with high humidity contributing to damp equipment and wet carpets and floors. Humidity and stagnant air contribute to Sick Building Syndrome (SBS), which can cause acute health and comfort issues. HVLS fans dissipate humidity, increase air flow and relieve SBS symptoms.

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# HEALTHY AIR, HEALTHY PATRONS

## DID YOU KNOW?

**Maintain ideal temperatures** – HVLS fans help maintain ideal temperatures of 68 to 72 degrees,\* while keeping humidity levels between 40 and 60 percent.\*\*

**Effective and efficient** – One fan can eliminate up to 20 floor fans, while using very little energy.

**Benefit the entire club** – Members will be able to do more intense workouts without worrying about heat stress. HVLS fans will also reduce condensation, making floors and machines drier and safer. HVLS fans can also be used in the pool area to reduce the amount of chemicals, improve air quality for swimmers, and reduce the effects of condensation.

**Cleaner air** – HVLS fans increase air filtration rates and air distribution to cost-effectively reduce indoor pollutant levels.



\*According to the American College of Sports Medicine’s Health/Fitness Facility Standards and Guidelines

\*\*From The International Fitness Association (IFA)

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Restaurants with tall ceilings are no strangers to high energy costs. Because heating and cooling these spaces is difficult, patrons often complain about temperature variance to managers and staff.

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## SERVING UP COMFORT

### DID YOU KNOW?

**Keep it even** – HVLS fans efficiently distribute temperatures more evenly, reducing hot spots and cool spots while lowering costs.

**Focal point** – HVLS fans' large size and attractive design create a dramatic visual statement.

**Destratify the air** – HVLS fans can run in reverse to keep the area “destratified” while maintaining nearly undetectable air speeds.

**Supplement AC** – When space is used for dual purposes like a wedding, concert, or large meeting, HVLS fans can supplement the air conditioning system to make the room more comfortable.

**Efficient and inviting** – HVLS fans operate silently for just pennies an hour. They make the space more comfortable, encouraging patrons to spend more time and visit more often.



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Convention centers can be loud, stressful environments, with stale air and standing-room-only crowds contributing to patrons' discomfort. Plus, heating and cooling systems can be easily overloaded by the large number of people entering the building at the same time.

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# KEEP MORE PEOPLE MORE COMFORTABLE

## DID YOU KNOW?

**Destratification** – HVLS fans take the warm air created by an HVAC system and pull it down from the ceiling to the floor level, enhancing comfort at a lower thermostat setting.

**Enhance comfort** – Reduce temperature variance and supplement air conditioning to keep people comfortable.

**Reduce costs** – Save up to 20 percent in electric costs.

**No modifications necessary** – Works with existing building automation system to control fan operation.

**Reduce moisture** – HVLS fans prevent moisture and help dry floors, while keeping large crowds comfortable with very little noise disturbance.



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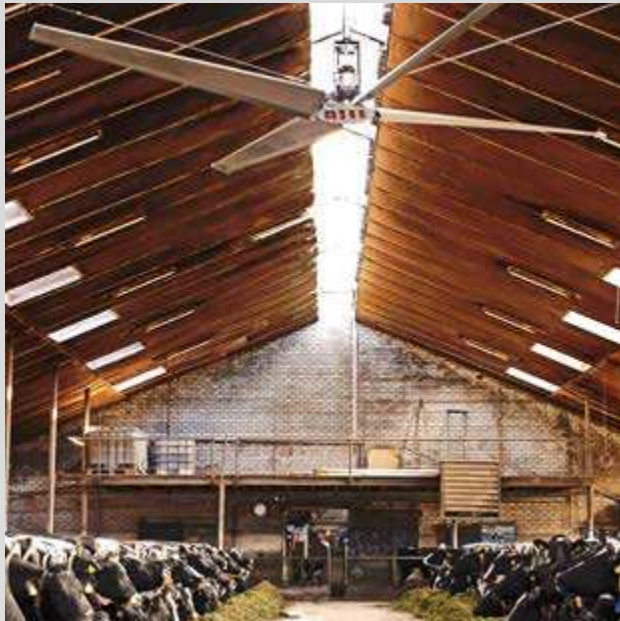
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Heat stress is a serious issue for agricultural operations. Caused by a combination of high temperatures above 70°F and high relative humidity of 60 percent to 80 percent, heat stress can negatively affect dairy cows, produce and growing operations. HVLS fans reduce heat and humidity, while operating more efficiently than conventional fans.

We've installed fans in hundreds of applications worldwide.

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## BEAT THE HEAT

### DID YOU KNOW?

**Reduce condensation** – HVLS fans help eliminate condensation in the facility and on produce. They also help keep floors dry, especially after washing produce prior to production.

**Reduce mold and mildew** – When used in a cooler, HVLS fans distribute air evenly, allowing more air to run through filtration. This reduces moisture that can contribute to mold and mildew.

**Energy efficient** – HVLS fans are the most energy-efficient solution on the market. Because of this, they are suitable for large and small stables, greenhouses, barns, sheds and more.

### DAIRY

**Heat stress can reduce cows' milk production by up to 25 percent.** It also diminishes the fat and protein content.

**Heat stress can cost more than \$500/cow every summer.**

**Overheating dairy cattle can cause or worsen many diseases**, including paunch acidification, udder health, hoof problems, and fertility. Reducing heat and humidity in your barn can reduce condensation and enhance air quality to improve your cows' health and increase their comfort.

### GREENHOUSE

**HVLS fans help you grow bigger plants using less water.** They encourage healthy plant growth, reduce disease and mildew caused by excessive moisture and condensation, and promote uniform temperature throughout the greenhouse.

### FRESH PRODUCE

**HVLS fans keep fresh produce cool** to prevent spoilage while waiting for processing.

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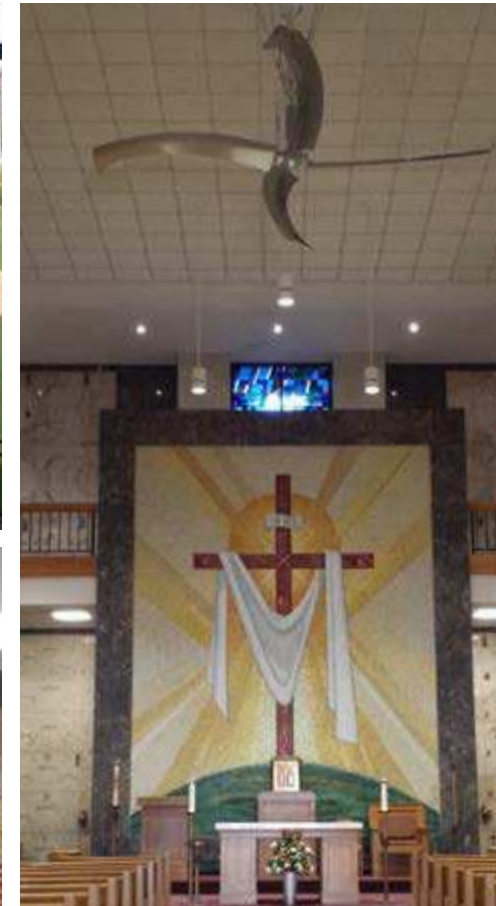
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Rite-Hite continues to be an industry leader in providing solutions for improving safety, increasing productivity and reducing energy costs at industrial and commercial facilities worldwide.

HVLS fans can be used in hundreds of industrial and commercial applications. Learn more about each specific application by finding the one most similar to your need at [ritehite.com](http://ritehite.com)







For more information visit [www.ritehite.com](http://www.ritehite.com).

**Click here** to request a free building assessment. We'll work with you to determine the appropriate size, quantity and placement of HVLS fans to benefit your facility or next project.



Rite-Hite® is a world leader in the manufacture, sale and service of loading dock equipment, industrial doors, safety barriers, HVLS fans, industrial curtain walls, and more - all designed to improve safety, security, productivity, energy consumption, and environmental control.

## ENJOY THIS EBOOK? CHECK THESE OUT!

**DON'T LET HUMIDITY  
DAMPEN YOUR PROFITS**

**SPIN DOWN YOUR  
SPENDING**

**FOUR IMPORTANT  
FACTORS TO CONSIDER  
BEFORE MAKING A  
PURCHASE DECISION**

**WHAT ROI CAN YOU  
EXPECT FROM HVLS FANS?**



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