

AirMotion Big Smart Fans™ help you increase productivity and operational efficiency by improving your facility environment while reducing HVAC energy costs in all seasons

We make the Next Generation of HVLS (High Volume Low Speed) fans - we call them Big Smart Fans™ - for industrial, agricultural, commercial, and other large facilities/buildings to help them increase productivity and operational efficiency by improving the facility environment (through cooling, heat destratification, supplementing Air Conditioning, and ventilation) in all seasons and climates while reducing HVAC energy costs significantly (as well as impact on the environment). Packed with the smartest features in the big fan industry - like our proprietary VPT™ (Variable Pitch Technology), Rotatair™ Composite blades, and MultiMode Smart Control - AirMotion Big Smart Fans (patent pending) are designed to move and mix massive amounts of air to provide a complete and more effective air movement throughout your facility than the old generation larger HVLS fans. It doesn't need to be so big if it's smart.



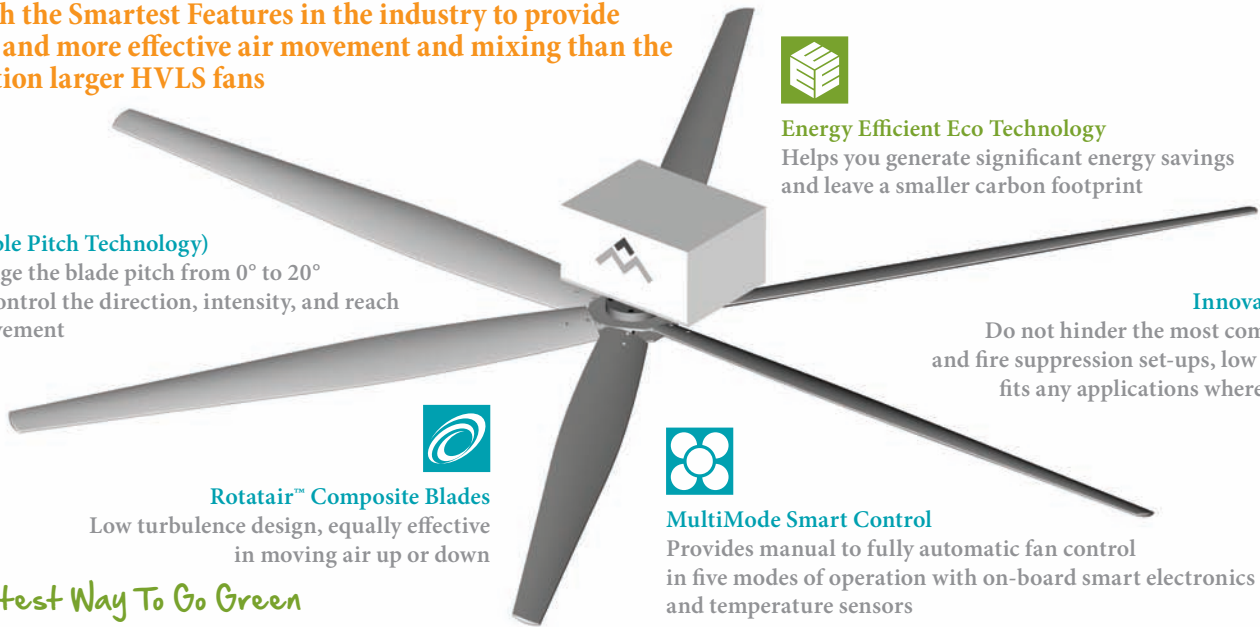
The primary function of AirMotion Big Smart Fans is to provide a comfortable and more productive facility environment while saving energy

Packed with the Smartest Features in the industry to provide a complete and more effective air movement and mixing than the old generation larger HVLS fans



VPT™ (Variable Pitch Technology)

Lets you change the blade pitch from 0° to 20° up/down to control the direction, intensity, and reach of the air movement



Energy Efficient Eco Technology

Helps you generate significant energy savings and leave a smaller carbon footprint



Innovative Fan Sizes

Do not hinder the most common lighting and fire suppression set-ups, low profile design fits any applications where space is tight



Rotatair™ Composite Blades

Low turbulence design, equally effective in moving air up or down



MultiMode Smart Control

Provides manual to fully automatic fan control in five modes of operation with on-board smart electronics and temperature sensors



The Smartest Way To Go Green

Specifications for 15 ft AirMotion Big Smart Fan

General

Diameter ■ 15 ft

Fan Motor ■ 1.5 hp TEFC High Efficiency - 208/240 or 480V Three Phase, 60Hz

Number of blades ■ 6 (Six)

Blade Type ■ 2 part Urethane Composite molded to contoured shape

Blade Pitch ■ (Variable) 0° to 20° up/down

Pitch Motor ■ 120V Single Phase

Blade Mounting Shafts ■ High Strength machined steel

Gear Reducer ■ Heavy Duty US made, 15:1 (at the time of printing)

Weight (including Control Unit and Mounting Hardware) ■ Approx. 230 lbs.

Performance

Fan Speed ■ 20 to 120 RPM

Maximum displacement of air in CFM

(Cubic Feet per Minute) ■ Up to 340,000 @ 90 RPM and 20° Pitch

Maximum Effective Coverage Area ■

Up to 20,000 sq ft or more (depending on speed and pitch)

Power

Standard Power Input ■ 120V

Full Load Amps ■ 120/1/60 : 16 ■ 240/1/60 : 8

208 - 240/3/60 : 5.4 - 4.7 ■ 460/3/60 : 2.5

Control Unit

Fan Controller ■ Remote mounted 12V microprocessor control

Fan Controller Dims ■ Approx. 5 x 8 x 3 inches

Sheet Metal enclosure

Fan Controller Wire ■ 4 conductor thermostat or telecom wire (maximum 500 ft)

VFD ■ High Quality US made for desired power source

Other Electronics ■ Carefully engineered and sourced components, and related operating software for AMS' proprietary application

Operating Modes

Manual ■ User selects Fan Speed and Blade Pitch angle

EcoMode ■ User selects speed, fan selects pitch

De-strat ■ Fan turns on and off based on temperature differences

AutoMode ■ Fan selects speed and pitch based on temperature differences

External Inputs ■ Fan turns on and off using external inputs

Construction

Motor/Power Unit Chassis ■

Painted sheet metal enclosure and component for mounting structure

Motor/Power Unit Dimension ■

Approx. 21.5 x 15.25 x 10 inches

Mounting Options

Single Point Mounting ■

Factory fabricated Universal Beam Clamp

Four Point Mounting ■

Unistrut, threaded rod or other

Safety

Multiple safety cables, wires, and electrical devices

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