

HVLS

WITH AN ATTITUDE!

Why an Attitude? Because like all our Super Duty Fans, we approach air movement aggressively. We boldly design our fans with cutting-edge technology and advanced fluid dynamics, to produce the most powerful, safe, efficient, and affordable fans. Forget those old expensive paddle-blade fans. Our category-killing HVLS Fan is the new standard for Industrial Fans with unmatched performance, as shown below. **How's that for Attitude!**



HVLS TECHNICAL SPECIFICATIONS

	DIAMETER	# OF BLADES	OVERALL WEIGHT	MAX. RPM	MIN. INPUT POWER	MOTOR HP	MINIMUM CLEARANCES	COVERAGE AREA	RADIUS
SD7	7'	3	77 lbs	150	110V & 5.8A	.5	2' Drop	9,500 ft ²	45'
SD10	10'	3	93 lbs	120	110V & 6.2A	.5	3' Drop	11,300 ft ²	55'
SD10HO	10'	6	124 lbs	150	110V & 16.1A	1.0	3' Drop	13,250 ft ²	65'
SD15HO	15'	6	161 lbs	100	220V, 1PH & 10A	1.5	3' Drop	17,650 ft ²	75'
SD20HO	20'	6	197 lbs	80	220V, 1PH & 12.2A	2.0	3' Drop	22,650 ft ²	85'

STD. TELESCOPING DOWN RODS

	MIN. LENGTH	MAX. LENGTH	INCREMENTS	MATERIAL	CEILING MOUNT	STRENGTH CERTIFIED
SD7	2'	3.5'	4"	Aluminum 6063	Steel C Mount	Yes
SD10	2'	3.5'	4"	Aluminum 6063	Steel C Mount	Yes
SD10HO	3'	5.5'	4"	Aluminum 6063	Steel Universal Mount (with through hole)	Yes
SD15HO	3'	5.5'	4"	Aluminum 6063	Steel Universal Mount (with through hole)	Yes
SD20HO	3'	5.5'	4"	Aluminum 6063	Steel Universal Mount (with through hole)	Yes

BLADES

Each blade is constructed of injection-molded polymers (proprietary composition) with 30 patent-pending features including: Trailing-edge graduated serrations, Leading-edge Vortex Generators (VG's), Raked Blade Tip, and complex built-in pitch contours.

GUY WIRE SYSTEM

Each fan mount has 4 loops to accept a guy wire system. Optional on the 7' and 10' models. Included on all HO models. Wires are 9' long.

CONTROLLER (INCLUDED)

Each controller is IP20 on the 7' and 10' models, and IP66 on all HO models. Input power is 110v and converts it to 220V 3 phase to the motor. Run a 14/4 wire between the controller and the fan motor. Accepts Fire Suppression System relays. Typically 8"W x 10"H x 8"D. Mounts to wall. Controls on/off, variable speed, and direction (reversible). Factory-set parameters, with ramp up to speed to minimize amp spikes and over-torque.

COLORS

Hubs and down rods are aluminum colored. Motor and mounts are satin black. Blades come black and can be painted with a high adhesion paint, or we can do custom colors for high quantity orders.

WARRANTY

Each fan is warranted for 10 years on the mechanical components, 5 years on the motor, and 1 year on the VFD. Labor is not warranted.

MOTOR

Each motor is a Permanent Magnet Synchronous Motor (PMSM), totally enclosed (TE) IP65, direct drive, high-efficiency, with input of 220V 3 phase.

INSTALLATION

Our fans are designed to be easy to install. We pre-assemble as much as possible for you. The blades come balanced with the attach arms already installed, the hubs come pre-mounted on the motor, and the down rod is telescopic to avoid cutting and drilling.



THE NEW HVLS INDUSTRIAL FAN WITH ATTITUDE!

What do you do after you create the best shrouded fan in the world? You create the best HVLS Fan in the world! We brought cutting-edge technology to life in our new Super Duty HVLS Industrial Fan line. With industry-leading performance, safety, and value; this fan provides superior cooling and air flow at a fraction of the price. Size for size, our HVLS fans outperform the next larger competitive sizes, making the old paddle-blade HVLS fans dinosaurs. It takes a certain kind of Super Duty bravado to design a category-killer fan like this, and just the right amount of **ATTITUDE**...

KEY FEATURES

- A**rtificial Intelligence (AI) assisted blade design for a highly-complex blade shape with perfected fluid dynamics.
- T**apered Raked Wingtips disperse air outwards to maximize floor coverage while also providing a safer rounded outer edge.
- T**railing Edge Serrations diffuse wake turbulence to significantly reduce noise resulting from the massive airflow.
- I**ntegrated Vortex Generators (VG's) on the leading edge minimize air separation which directs more air to the floor environment.
- T**elesoping Down Rods simplify installation with adjustments in 4 inch increments.
- U**niversal Ceiling Mounts allow for an easy installation to varying ceiling structures.
- D**ual Plane Blades create wider spacing between blades for maximum efficiency and reduced noise, and a smaller ceiling footprint.
- E**fficient PMSM state-of-the-art Motor and Digital VFD for huge torque, with no massive gearbox required.

**COOLING
SOLUTIONS
FOR *ANY*
SITUATION**



**SUPER DUTY
FANS**

THE NEXT GENERATION OF HVLS

The HVLS fan was created back in 1998 and the basic design has not changed with aluminum paddle blades, heavy gearboxes, high voltage motors, and expensive install costs. But now, we bring cutting-edge technology to HVLS with our innovative design to move more air for less money. Welcome to the next generation of HVLS.

**MORE AIRFLOW, LESS NOISE
MORE AFFORDABLE**

**THE MOST POWERFUL
HVLS FAN EVER MADE!**

**PATENT PENDING WITH
30 INNOVATIVE CLAIMS**

**THE FUTURE OF
HVLS INDUSTRIAL FANS**

SUPERDUTYFANS.COM

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