

DS-3 | HVLS

8 TO 24-FOOT FAN DIAMETERS

Elevated Engineering

An economical yet powerful overhead HVLS fan, Greenheck's DS-3 is designed to improve air movement in large commercial and industrial spaces on a budget. The DS-3's highly efficient, three-blade design boosts airflow and occupant comfort while exceeding minimum efficiency requirements by as much as 80% thanks to its advanced direct drive motor. The quiet, lightweight DS-3 can deliver years of reliable operation and cost savings to any building.

DIAMETER

- Fan diameters between 8 - 24 feet

AIRFLOW AND COOLING

- Airflow range up to 176,900 cfm
- Cooling effect up to 15°F

MOTOR AND VOLTAGE

- 3/4 hp, direct drive motor
- Reversible operation
- 208-277V/1-phase; 208-230V/3-phase or 460V/3-phase voltage

MOUNTING OPTIONS

- I-beams, steel trusses, wood beams, z-purlins, Unistrut®

WARRANTY

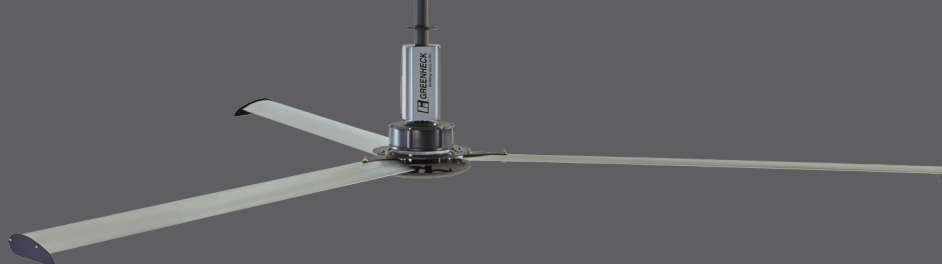
- 10-year mechanical
- 1-year electrical

PRIMARY APPLICATIONS

Warehouses | Distribution Centers | Manufacturing Facilities | Automotive Garages or Dealerships
Police and Fire Stations | Fitness Centers | Military Facilities | Public Works Facilities
Aviation Facilities and Airports | Stadiums and Arenas

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STANDARD FEATURES

PLUG-AND-PLAY WIRING



Factory-installed wiring with plug-and-play connectors for all major electrical connections including:

- Supply wiring to the VFD and motor
- Communication wiring to fan controller
- Fire system integration wiring

UNIVERSAL CEILING MOUNT



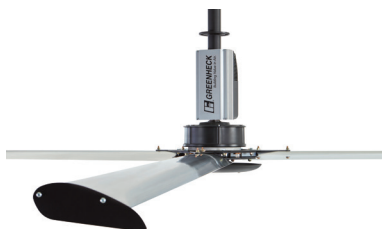
Designed to mount to any ceiling structure via one of Greenheck's optional mounting kits or field-supplied hardware. Universal mount also includes a pivoting knuckle joint to accommodate any ceiling pitch.

DIRECT DRIVE MOTOR AND VFD



Lightweight, direct drive motor is up to 20% more efficient and 10 dBA quieter than traditional gearbox motors. Factory-mounted and programmed VFD reduces installation time by eliminating complicated programming in the field.

AIRFOILS AND WINGLETS



Aluminum airfoils are designed to maximize airflow, boost efficiency, and optimize coverage area. Airfoils are available in mill, powder-coat, woodgrain, or anodized finishes. Winglets are designed to reduce fan noise.

ADVANCED SAFETY FEATURES



Factory-installed multipoint, redundant mechanical safety systems ensure proper function and peace of mind. Smart electronic safety features include:

- Impact detection for immediate fan shutdown
- Over-voltage, over-current, over-temperature, and over-speed protection

FIRE SYSTEM INTEGRATION



All fans include a low voltage fire alarm relay that can be wired into the building's fire suppression system for automatic fan shutdown when sprinklers are activated.

PERFORMANCE DATA

FAN SIZE (ft)	MAX AIRFLOW (CFM)	MAX COVERAGE AREA (ft ²)	MAX RPM	MOTOR SIZE (HP)	SOUND (dBA)	WEIGHT* (lbs)
8	23,500	9,100	145	3/4	44	106
10	43,500	11,600	141	3/4	46	110
12	68,900	12,400	134	3/4	48	115
14	87,900	13,200	120	3/4	50	119
16	106,300	14,200	101	3/4	48	123
18	127,900	15,800	87	3/4	48	128
20	144,500	17,200	76	3/4	48	133
24	176,900	18,700	56	3/4	48	142

*Weight does not include accessories or optional features.



Greenheck Fan Corporation certifies that the model DS-3 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.



UL/cUL 507
Listed for Electrical
and Damp
File no. E504380

greenheck.com/hvls

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