

Factory product image

VORTEX HVLS FAN, 4.2 M

13 ft 9 in HVLS ceiling fan · 0.75 kW direct-drive permanent-magnet motor

PRODUCT OVERVIEW

A 4.2 m (13 ft 9 in) high-volume, low-speed ceiling fan for shops, warehouses and slab yards. Five long aluminum blades move a large column of air slowly down to the floor and out across the room, driven by a direct-drive permanent-magnet motor with no gearbox to service.

13 ft 9 in	**5**	**0.75 kW**	**2 years**
diameter (4.2 m)	aluminum blades	direct-drive PM motor	warranty

KEY FEATURES

Direct drive, no gearbox

The external-rotor permanent-magnet motor turns the hub directly: nothing to oil or adjust.

Variable speed

The IP66 controller sets the speed and has its own cooling fan.

Hung safely

A 60 × 60 mm drop rod from the mounting base, plus a steel safety wire rope as a second support.

Certified parts, 2-year warranty

ETL-certified motor, UL-certified controller; free spare parts and remote support.

Mounting base included

One base for a concrete, I-beam or square-tube structure: tell us yours when you order.

Two packages

Blades and motor assembly ship in two packages.

IDEAL APPLICATIONS

- Warehouses and distribution centers.
- Fabrication shops and slab yards.
- Garages, hangars and barns.
- Showrooms and large open rooms.

BEFORE YOU ORDER

Check the ceiling height and the clearance around the blades, the structure the base bolts to, and a 208–240 V single-phase circuit with a 12 A or larger breaker.

DETAILS AND SPECIFICATIONS

Vortex HVLS Fan, 4.2 m · technical data



Your fan's motors at the factory



Aluminum blade with winglet



IP66 controller

FAN

Diameter	13 ft 9 3/8 in (4.2 m)
Blades	5, aluminum alloy, with winglets
Drop	2 ft 10 5/8 in (0.88 m) ceiling mount to blades, with the 2 ft (0.6 m) rod

MOTOR AND CONTROLLER

Motor	0.75 kW external-rotor permanent-magnet motor, direct drive (no gearbox)
Motor protection	IP66
Controller	Variable-speed controller, IP66, built-in cooling fan

ELECTRICAL

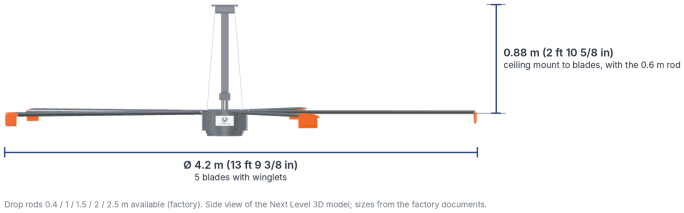
Supply	208, 220 or 240 V, single-phase, 60 Hz
Current	7 A rated / maximum
Breaker	12 A or larger, on its own circuit
Disconnect	Independent disconnect switch recommended
Conductors	3 × 1.5 mm² or 3 × 2 mm² (factory); your electrician sizes the wiring to code

MOUNTING

Base	One mounting base included: concrete, I-beam or square-tube structure (choose at order)
Safety	6 mm steel safety wire rope with clips and turnbuckles

SHIPPING

Packages	2 per fan: blades and motor assembly
Blades	82 5/8 × 8 5/8 × 7 1/8 in, 68 lb (2,100 × 220 × 180 mm, 31 kg)
Motor assembly	23 1/4 × 23 1/4 × 20 5/8 in, 132 lb (590 × 590 × 525 mm, 60 kg)



Drop rods 0.4 / 1 / 1.5 / 2 / 2.5 m available (factory). Side view of the Next Level 3D model; sizes from the factory documents.

INCLUDED

- Motor assembly with 0.75 kW permanent-magnet direct-drive motor.
- IP66 variable-speed controller with built-in cooling fan.
- 5 aluminum blades, 5 winglets and the blade clamping plates.
- 0.6 m (2 ft) drop rod, 60 × 60 mm, with dust covers.
- One mounting base (concrete, I-beam or square-tube).
- Safety wire rope, clips and turnbuckles.
- 20 m power and 20 m control cable; bolts, nuts and washers.

OPTIONS

- Drop rods 0.4, 1, 1.5, 2 and 2.5 m for other ceiling heights.

Install: By a qualified installer on a structure approved for the fan's weight and torque; wiring by a licensed electrician to local codes. Keep the blade tips clear of walls, columns, racking, lights and sprinklers. Factory data, 2026 (quotation, packing list and electrical requirements). The motor is ETL-certified and the controller UL-certified; these are component certifications, not a listing of the complete fan. Images: the factory's product images; motor photograph: the Next Level order at the factory (Sep 2026). Specifications are subject to change without notice.