FANS & LIGHTING

TECHNICAL SPECIFICATION SHEET

# VORTEX HVLS FAN, 4.2 M

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

A 13 ft 9 in (4.2 m) high-volume, low-speed ceiling fan for shops, warehouses and slab yards.



Factory product image

| | | |
|---|---|---|
| **13 ft 9 in**<br>Diameter (4.2 m) | **5 blades**<br>Aluminum, with winglets | **0.75 kW**<br>Direct-drive PM motor, external rotor |
| **208–240 V**<br>1-phase, 60 Hz, 7 A | **Variable**<br>Speed controller, IP66 | **2 ft 10⅝ in**<br>Mount to blades, standard rod (0.88 m) |

## KEY FEATURES

- **Direct drive, no gearbox**
  The external-rotor permanent-magnet motor turns the hub directly: nothing to oil or adjust.
- **Hung safely**
  A 60 × 60 mm drop rod from the mounting base, plus a steel safety wire rope as a second support.
- **Mounting base included**
  One base for a concrete, I-beam or square-tube structure: tell us yours when you order.
- **Variable speed**
  The IP66 controller sets the speed and has its own cooling fan.
- **Certified parts, 2-year warranty**
  ETL-certified motor, UL-certified controller; free spare parts and remote support.
- **Two packages**
  Blades and motor assembly ship in two packages.

**APPLICATIONS** Warehouses and distribution centers; fabrication shops and slab yards; garages, hangars and barns; showrooms and large open rooms.

# VORTEX HVLS FAN, 4.2 M · TECHNICAL DATA



| 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 |

| ELECTRICAL (CONT.) | |
|---|---|
| Disconnect | Independent disconnect switch recommended |
| Conductors | 3 × 1.5 mm² or 3 × 2 mm² (factory); your electrician sizes the wiring to code |

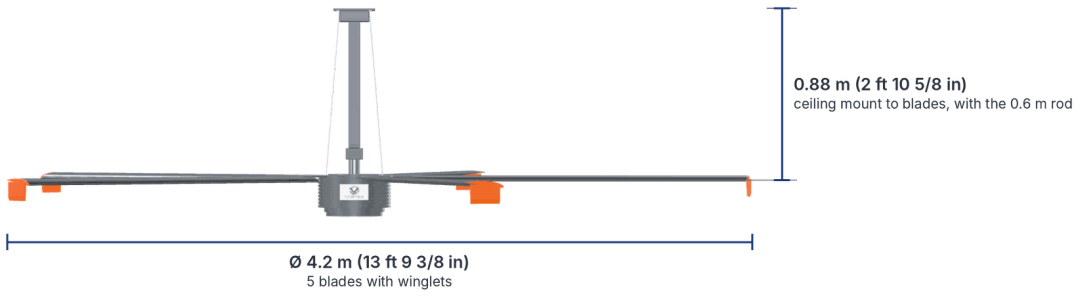
| MOUNTING | |
|---|---|
| Base | One mounting base included: concrete, I-beam or square-tube structure (choose at order) |
| Safety | 6 mm steel safety wire rope with clips and turnbuckles |

| DIMENSIONS AND WEIGHT | |
|---|---|
| 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) |

## INCLUDED AS STANDARD

- 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
- 2 ft (0.6 m) 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

## LAYOUT AND DIMENSIONS




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.

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. Images may show optional equipment. All dimensions and weights are approximate; U.S. values are converted from the factory's metric data. Document date: Nov 2026. Next Level Enterprises · www.nextlevel.plus · +1 941-900-3018 · sales@nextlevel.plus