

# Trak Specification

## Hunter Industrial Fan

2434 Atrium Way  
Nashville, TN 37214



### PART 1 GENERAL

#### 1.1 Summary of Work

##### A. Installation

1. Installation of the fan and miscellaneous structural, electrical and mechanical work other than those specifically addressed in the installation scope of work shall be provided by others. Factory authorize installation is available through Hunter Industrial. When factory installation is chosen, the appropriate scope of installation must be reviewed, and questions should be directed to Hunter Industrial: 1-844-591-FANS (3267).

#### 1.2 Submittals

- A. DWG and RVT Files provided for design considerations
- B. Shop Drawings which include fan dimensions, weight, and mounting methods
- C. Specification sheets and installation guidelines which include electrical and mechanical requirements, features, benefits, and wall control information.
- D. The manufacturer shall furnish a copy of Installation guide containing the operating and maintenance instructions for each fan.

#### 1.3 Quality

##### A. Certifications

1. The Fan shall be ETL/Intertek certified pursuant to ANIS/UL 507 and CSA C22.2 No 118. Fan meets requirements for a UL (NEMA) IP45 rating.

##### B. Manufacturers Qualifications

1. All fans and accessories shall be supplied by Hunter Fan, which has over 100 years of fan manufacturing experience

#### 1.4 Packaging and Delivery

- A. Delivery of Product shall be shipped and delivered in undamaged, new condition.
- B. Packaging shall consist of one high quality package.
- C. The packages shall contain: motor and motor control, blades, down rod, mounting hardware, installation tools, and installation manual
- D. Fan and components must be stored in a safe, dry location.

#### 1.5 Warranty

- Lifetime (Parts)\* – Airfoils, Hub and Blade Holder
- Three Years (Parts) – Motor, Controller, All other components
- Three Year Limited Warranty – LED Light Kits and Bulbs

### PART 2 PRODUCT

#### 2.1 Manufacturer

- A. Hunter Industrial, 2434 Atrium Way, Nashville, TN 37214 Phone (844) 591-FANS
- B. Website: [www.hunterfan.com/ceiling-fans](http://www.hunterfan.com/ceiling-fans)

#### 2.2 High Volume, Low Speed Fans – Trak

##### A. Complete Unit

1. Regulatory Requirements: The fan shall be Intertek/ETL certified pursuant to ANIS/UL 507 and CSA standard 22.2 No. 113

\*\* "Lifetime" means components are covered for as long as the fan is operating at the original installation site or until 5 years after Hunter Industrial discontinues manufacturing the particular fan model

2. Sustainability and Efficient: The fan shall be designed to move an effective amount of air for cooling and destratification in a wide variety of applications. Fan and fan components shall not weigh more than 49 lbs. to reduce stress on building structure. Sound levels from the fan operating at maximum speed shall not exceed 46 dBA.

#### B. Airfoil System

1. The fan shall be equipped with four (4) airfoils made from 6061-T6 Aircraft Grade aluminum. The airfoils shall be connected to the hub by means of a high strength pressed bolt system. Each airfoil shall be equipped with a precision cut swept style tip (instead of winglets) which allows free flowing recirculation while limiting drag inducing vortices.

#### C. Motor

1. Reversible, 8-speed DC Motor; 110/120V 1-Phase 50/60Hz

#### D. Mounting System

1. Mounting system is designed for mounting directly to structure or to a suitably fan rated ceiling box on ceilings up to 34 degrees of pitch. The hanging system components are made of corrosion resisting cast iron (CRS) conforming to ASTM designation A439-60TCRS or Stainless Steel. Mounting hardware is 1008 CRS or equivalent. Mounting must be completed using provided hardware and following all included instructions.

#### E. Safety Cables

1. The fan shall be equipped with one 1/4" 7X19 Safety Cable, then length of the down rod plus six feet, composed of high-tensile ANSI 316 stainless steel that meets or exceeds BSMA 29 tolerances for nominal, diameter, tensile strength, and break force thresholds. Wire rope conforms to conforms to ASTM 4A92 and FED-RR-W-410F.

#### F. Control

1. The fan shall be equipped with a wall control unit that provides Fan ON/OFF and Variable Fan Speed Control, as well as Light ON/OFF and Light Dimming.

## **PART 3 EXECUTION**

### **3.1 Preparation**

- A. An existing building must have a mounting structure able to support the weight and operational torque of fan. Consult a structural engineer if necessary.
- B. The location for fan installation must have an I-beam or similar structure for which to mount the fan. Additional mounting options may be available.
- C. Item such as lights, cables, or any other obstacles must be relocated or removed before installation.
- D. Dedicated branch circuit protection is required for each fan.

### **3.2 Installation**

- A. Any installation shall be performed by a qualified installer in accordance with the installation manual.
- B. The fan shall not be applied in any location where it may be subject to cross winds of any kind or in close proximity to HVAC or radiant heat outputs.
- C. In buildings equipped with ESFR sprinklers or any sprinklers, you must comply with NFPA 13 and NFPA 72 guidelines for application of these fans.
- D. Minimum Clearances
  1. Airfoils must be at least 10ft (3 m) above the floor.
  2. Airfoils must be at least 2ft (0.61 m) from any obstructions such as lights and cables.
  3. The structure the fan is attached to shall be capable of supporting a torque load of up to 70 ft·lb (95 N·m) of torque.