



STOL SERIES 10' (3.0M) HVLS FAN

| Technical Specifications | |
|---|--|
| Model | STOL-1030 |
| Diameter | 10 FT / 3.0 Meters |
| Number of Airfoils | 6 STOL Airfoils |
| Airfoil Finish | Anodized Aluminum |
| Frame & Mounting Finish | 1/4" Black Powder Coated Steel |
| Wingtip | 6 Standard SBF Wingtips (Red) |
| Installed Weight | 205 lb (93 kg) |
| Maximum Speed | 88 RPM |
| Air Displacement | 77,635 CFM / 2,198 CMM |
| Available Input Power | 115 VAC (99-126 VAC) 25A Peak @ 48-62 Hz 1 Phase |
| | 240 VAC (198-264 VAC) 16.8A Peak @ 48-62 Hz 1 Phase |
| | 240 VAC (198-264 VAC) 13.2A Peak @ 48-62 Hz 3 Phase |
| | 480 VAC (342-528 VAC) 7.6A Peak @ 48-62 Hz 3 Phase |
| | 575 VAC (450-660 VAC) 3.7A Peak @ 48-62 Hz 3 Phase |
| Reducer | Premium Viton double lip output seals, lifetime synthetic oil, robust 1.25" dia. output shaft, lubed for life, painted SB Blue |
| Nominal Motor Horsepower | 1.5 HP (1.12 kW) |
| Motor RPM | 1735 RPM |
| Speed Controller Options | UltraLite, Yoke, VLD, Touch 'N' Go, AutoPilot, Radar |
| Controller Connection | 10V DC Analog |
| VFD Enclosure | NEMA1, IP 10 metal enclosure with hinged door. NEMA 4x, IP 66 available |
| VFD Motor Supply Cable | 25 feet / 7.62 Meters |
| Safety Components | Airfoil Boomerang Brackets (6), Guy Wires (4), Safety Cable (1), Safety Z Brackets (6) |
| Disconnect Switch | 25A lockable |
| dBA at Max. RPM | < 45 dBA* |
| Recommended Airfoil Clearance | Horizontal from Wingtips: 22" (0.55 Meters) |
| | Vertical from Mounting Point: 60" (1.5 Meters) |
| Extension Bar | 1 FT standard, available in 1 FT increments up to 10 FT |
| Motor Pallet Dimensions/Weight | 30.5"x33"x30.5" (0.77 x 0.83 x 0.77 Meters) / 228 lbs (103 kg) |
| Airfoil Pallet Dimensions/Weight | 24"x5'6"x17" (0.60 x 1.67 x 0.43 Meters) / 90 lbs (41 kg) |
| Certification | ANSI/UL 507 |
| | CAN/CSA C22.2 No. 113-10 |
| | CE, C-Tick |

*dBA values were obtained from sound testing at maximum speed in a controlled environment. Actual results may vary.



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STOL SPECIFICATIONS

APPROVALS

- ETL
- CE
- C-Tick

AIRFOILS

- Equipped with 6 airfoils
- Extruded anodized aluminum
- High performance STOL design

GEARBOX

- Precision finished gears for low noise & long service life
- Sealed with lifetime synthetic oil
- Robust 3" output shaft for strength
- Nylon bushing on input

CONSTRUCTION

- Mounting is to be 1/4" powder coated steel
- All construction is to be protected from the elements
- Stainless steel safety brackets

VFD

- NEMA1, IP 10 metal enclosure with hinged door. (NEMA 4x, IP 66 available)
- Factory assembled & programmed
- Minimum start/stop torque loads

WINGTIP FENCE

- Equipped with 6 wingtip fences
- Constructed of nylon 66
- Redirect outward airflow into downward airflow

MOTOR

- Totally enclosed, fan cooled (TEFC)
- IP55 rating
- Class F insulation
- 1.5HP (1.12 kW) nominal horsepower

STANDARD LIMITED WARRANTY

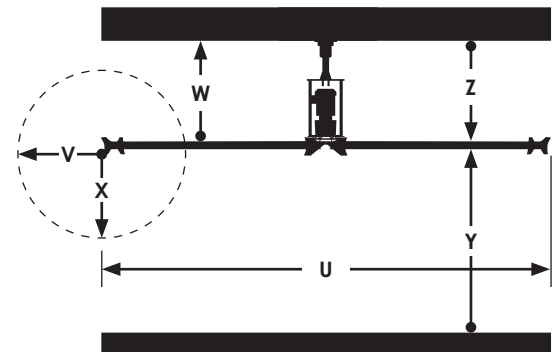
- 3 year: Motor & Reducer
- 1 year: Electronics
- Lifetime: Airfoil
- Extended warranties available.

STOL SERIES SAFETY CLEARANCES & DROP HEIGHT¹

| MODEL # | DIAMETER [U] | SIDE [V] | ABOVE [W] | BELOW [X] | MIN. AIRFOIL HEIGHT [Y] | AIRFOIL DROP HEIGHT [Z] |
|-----------|---------------|----------|-----------|-----------|-------------------------|-------------------------|
| STOL-1030 | 10 Ft (3.0 m) | 18" | 39" | 18" | 10' | 44" |

¹ All dimensions are based on a standard 1 ft. extension bar.

Safety Clearances & Drop Height



STOL SERIES MAX EFFECTIVE DIAMETER

| DISTANCE FROM CENTER | AIR VELOCITY ² | COOLING SENSATION ² |
|--------------------------|------------------------------|--------------------------------|
| 0' - 20' (0-6.1m) | 620 - 900 fpm 3 - 4.5 m/s | 14 - 15°F 8 - 10°C |
| 21' - 40' (6.2-12.2m) | | |
| 41' - 60' (12.3-18.3m) | 340 - 620 fpm 1.7 - 3 m/s | 9 - 15°F 5 - 8°C |
| 61' - 80' (18.4-24.4m) | | |
| 81' - 100' (24.5-30.5m) | 0 - 340 fpm 0 - 1.7 m/s | 0 - 9°F 0 - 5°C |
| 101' - 120' (30.6-36.6m) | | |

² Stated values are estimations based on standard installation at maximum power. Values such as building layout, obstructions, ceiling height, and drop ceiling height may effect these numbers.

