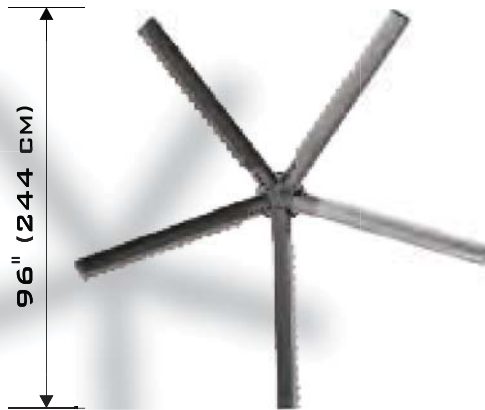


8ft Large Diameter Fan



Weight	214 lbs
Nominal Motor.....	1 HP
Power Consumption	644 W
Actual Amps	2.8 A
Torque	68 ft-lbs
Thrust	N/A
Rotations Per Minute	154
Air Movement	42,136 cfm
Maximum Diameter.....	35 ft
Noise Level.....	N/A

This side up.

**TUBERCLE TECHNOLOGY
 BLADE PROFILE**

**1 HP ELECTRIC
 MOTOR**



Motor, Gearbox & Control Panel.....	15 Years*
Blades, Hub & Mounting System	Lifetime

GENERAL

Blade Tubercle Technology™
 Number of Blades..... 5

CONSTRUCTION

Frame Powder Coated / Galvanized Steel Frame
 Hub 713 Cast Aluminum Alloy
 Blades 6063 Extruded Anodized Aluminum
 Blade Leading Edge..... High Impact Polystyrene
 Blade End Caps High Impact Polystyrene
 Blade Leading Edge Colour Charcoal Grey

DESIGNER SERIES Optional Colours & Designs

SAFETY COMPONENTS

Safety Ring..... 1/4" Powder Coated Steel
 Safety Cables..... 3/16" Stainless Steel
 Guy Wires..... 1/8" Stainless Steel
 Safety Clips 713 Cast Aluminum Alloy

MOUNTING HARDWARE

Standard Mount Universal I-Beam Clamp w/ Swivel
 Drop Extensions (Optional) 1 ft / 2 ft / 4 ft

GEAR MOTOR

Type Helical Inline Reducer
 HP 1 HP (50 Hz / 60 Hz)
 Ratio 10.70
 Volts 230 V / 400 V / 460 V / 575 V
 Amps Consumed 2.8 A @ 230 V
 Insulation Class F

- Features
- "QUADRILIP" seal on the bottom
 - "Unicase" (One piece) housing. No split housings with gaskets (potential leak areas)!
 - "Auto Vent" located on the top of the gearbox to allow it to breath. Without the Autovent, the contents of the gearbox, oil, air, nitrogen, will want to push through the seals.
 - lip seal on the motor shaft

FAN CONTROL 

Enclosure Nema 4X (IP65)
 Standard Power 208 V / 230 V / 400 V / 460 V / 575 V
 Special Wiring (Thermostats, Fire Alarm Interface, Networking Etc.) (Optional) Consult Factory
 50 / 60 Hz Operation

- Modes of Operation
- Open Loop Flux Vector (speed or torque control)
 - V/Hz (constant or variable)
 - Enhanced V/Hz with auto-tuning

- Inputs / Outputs
- 3 Programmable digital inputs
 - 2 Analog inputs (4 - 20mA and 0 - 10V)
 - 1 Digital output (24VDC/50mA)
 - 1 Analog output (0 - 10V or 2 - 10V)
 - 1 Relay output (24VDC/250VAC, 3A)

- Speed Commands
- Digital Keypad w/ push button control
 - Jog
 - Floating Point Control
 - Voltage: Scalable 0 - 10 VDC
 - Current: Scalable 4 - 20 mA
 - Potentiometer
 - 8 Preset speeds

- Process Control
- PID Modes: direct and reverse acting
 - PID Sleep Mode

- Fieldbus Protocols
- DeviceNet
 - Modbus RTU
 - RS-485
 - CANopen
 - PROFIBUS-DP

Control Options (Not Included)..... Low Voltage / Temperature Control

*These specifications are a guideline only and are subject to change without notice.

