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

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

*Please see Large Diameter Fan Installation Guide for warranty specifications/exclusions (prorated/limited)

1-844-GFY-FANS
(1-844-439-3267)
www.GoFanYourself.com
**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 breathe. 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**

- Nema 4X (IP65)
- 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.*