24ft Large Diameter Fan

288" (732 cm)

Weight: 330 lbs
Nominal Motor: 2 HP
Power Consumption: 1403 W
Actual Amps: 6.3 A
Torque: 290 ft-lbs
Thrust: 170 lbs
Rotations Per Minute: 57
Air Movement: 397,701 cfm
Maximum Diameter: 230 ft
Noise Level: 59 dBA

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

www.southwestsolutions.com
Toll Free 1-800-803-1083
**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 ................................................ 2 HP (50 Hz / 60 Hz)
Ratio ......................................... 30.43
Volts .......................................... 230 V / 400 V / 460 V / 575 V
Amps Consumed ............................... 6.3 A @ 230 V
Insulation Class ............................ F
Features ........................................
- "QUADRILIP™" seal on the bottom
- "Uniase" (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.*