



VELOCITY-PV™ HVLS FAN

PHOTOVOLTAIC PRODUCT SPECIFICATIONS

HIGH VOLUME LOW SPEED FAN

Design Highlights

- Large “Air Current Depth” - horizontal floor jet of 6-8 ft (1.8-2.4 m)
- Contributes to LEED® Certification credits and qualifies for most energy rebate programs
- Enclosed extruded aluminum frame
- Integral 1/3 HP motor and helical gearbox with onboard solar charge controller
- Includes three 185-watt mono-crystalline solar panels and mounting racks
- High performance blades optimize forward and reverse functionality
- Anodized protected blades are corrosion-resistant
- Load reducing Universal Mount System
- Patent pending Blade-Lock Safety System™ includes guy wires and safety cable
- Strong and durable Hybrid Hub
- Reversible Blade Struts for superior blade connection to hub
- Premium wiring package reduces installation costs (labor and material)
- Motor Control Panel includes serviceable On/Off Disconnect with lock-out/tag-out capability
- Remote Variable Speed Control

Fan Diameter

- 16 FT (4.9 M)
- 18 FT (5.5 M)
- 20 FT (6.1 M)

Available Options

- Powder Coated Blades _____
- Colored Anodized Blades _____
- Heresite Coating
- Hot Dip Galvanized
- Glulam Clamp (For Wood Structures)
- Extra Wide Beam Plate
- Super Short Mount
- Mounting Extension _____ FT / M

Project Information

Job Name _____
 Address _____
 General Contractor _____
 Distributor _____
 Model _____ Quantity _____ Voltage/Phase _____

Certified For Construction

By _____
 Company _____
 Address _____
 Date _____

Construction

Hybrid Frame 6061 Aluminum
 Hybrid Hub 356 T-6 Cast Aluminum
 Solid Steel Blade Struts (Invertible) Zinc Plated/1020 Cold Rolled Steel
 Blades Anodized / 6063-T6 Aluminum
 Wiring Loom PV Cable Assembly Solar Panels to Service Disconnect
 Service Disconnect NEMA 4X Enclosure with Load Protection

Solar Panels (3)

Power 3 x 185 Watts
 Dimensions 39" x 53" x 1.5" (991 x 1346 x 38 mm)

Safety Components

Blade Retaining Links (6) Zinc Plated / 10 GA A569 Steel
 Safety Cable Galvanized / 1/4" x 7 x 19 Steel Aircraft Grade Cable
 Guy Wires Galvanized / 1/8" x 7 x 19 Steel Aircraft Grade Cable
 Safety Link Extenders (6) Zinc Plated / 10 GA A569 Steel
 Frame integration Zinc Plated / 3/16 A569 Steel

Mounting Hardware

Standard Mount Universal I-Beam Clamp w/ Swivel Joint & 12" Drop
 Glulam Mount (Optional) Brackets w/ Swivel Joint & 12" Drop
 Extra Wide / Thick I-Beam Mount (Optional) Consult Factory
 Additional Drop Extensions (Optional) Up to 10 FT in 1 FT Increments

Motor/Controller

Remote Control Wall Mounted Switch NEMA 4X Fwd/Off/Rev w/Speed Control Knob
 HP 0.33 / 0.25 Kw
 Volts DC 15-30v
 Insulation Class F
 Maximum Current 25 Amps

Gearbox

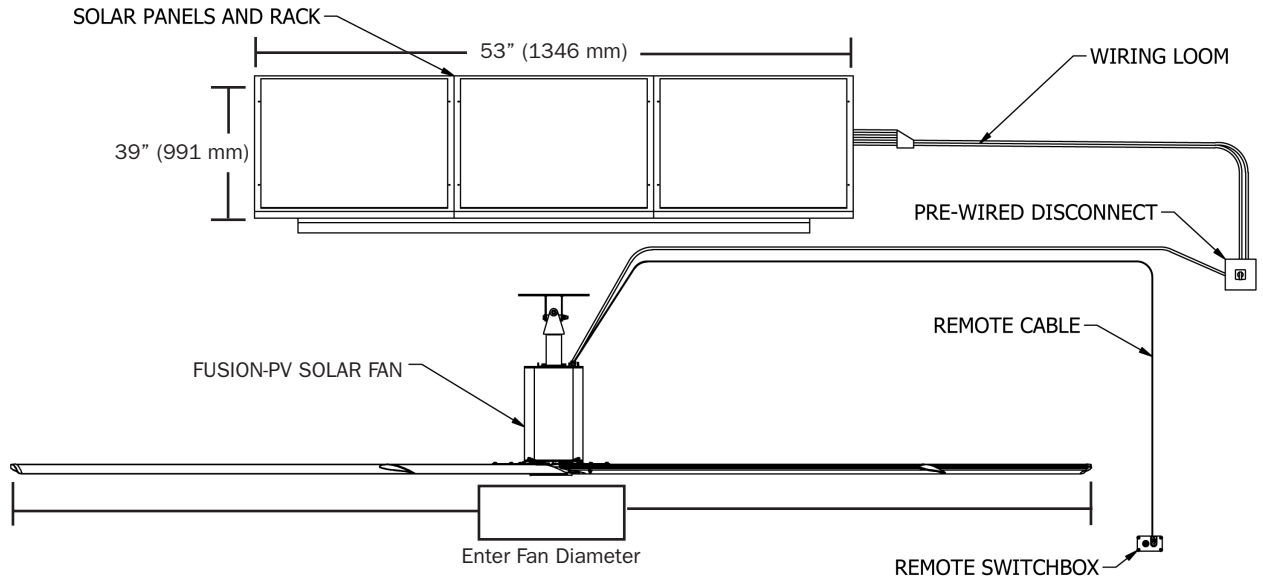
Type 2-Stage Helical
 Service Interval Lubed For Life

Options

Power Supply Plug in Power Supply and Auxiliary Backup

Warranty

Blades, Hub & Mounting System Limited Lifetime
 Drive System 12 Year Limited
 Solar Panels and Mounting Racks 10 Year Limited



Fan Size	Displacement	Blade Style	Hanging Weight
16 FT	115,332 CFM (3,266 CMM)	Wickerbill	150 lbs. (68 kg)
18 FT	134,451 CFM (3,807 CMM)	WhisperFoil XL	185 lbs. (84 kg)
20 FT	151,030 CFM (4,277 CMM)	WhisperFoil	185 lbs. (84 kg)

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A continuing research program is in effect at Serco. We reserve the right to incorporate product improvement at any time without prior notice.