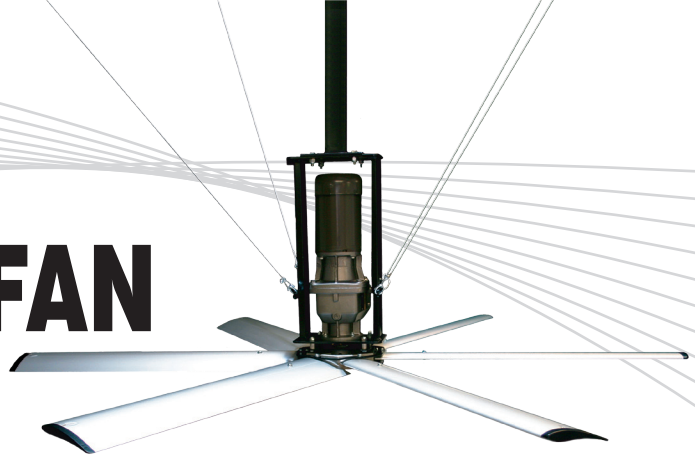




VELOCITY™ HVLS FAN

PRODUCT SPECIFICATIONS

HIGH VOLUME LOW SPEED FAN



Design Highlights

- Large “Air Current Depth” - horizontal floor jet of 3-9 ft (1-3 m)
- Contributes to LEED® Certification credits and qualifies for most energy rebate programs
- High performance WhisperFoil XL 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 H Beam Blade Struts for superior blade connection to hub
- Precision speed controller includes EMI/RFI filter to comply with FCC, CE, and EMC REGs
- Premium wiring package reduces installation costs (labor and material)
- Motor Control Panel includes On/Off Disconnect with lock-out/tag-out capability
- Remote Variable Speed Control

Motor Size

- 1 HP (All Blade Sizes)
- 1.5 HP (20 FT/6.1 M Blades Only)
- 2 HP (24 FT/7.3 M Blades Only)

Fan Diameter

- 8 FT (2.4 M)
- 10 FT (3.0 M)
- 12 FT (3.7 M)
- 14 FT (4.3 M)
- 16 FT (4.9 M)
- 18 FT (5.5 M)
- 20 FT (6.1 M)
- 24 FT (7.3 M)

Available Options

- Stainless Steel Motor
- Explosion Proof Motor
- Powder Coated Blades _____
- Colored Anodized Blades _____
- Heresite Coating
- Hot Dip Galvanized
- Elegance Upgrade Package
- NEMA 4X Rated Control Panel
- UL Listed Control Panel
- 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

Frame Black Powder Coat / Welded A36 Steel Fabrication
 Hybrid Hub 356 T-6 Cast Aluminum
 Blade Struts (Invertible) Black Anodized / 6061 T-6 Aluminum
 Blades Anodized / 6063-T6 Aluminum
 Blade End Caps..... ABS Plastic

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
 Rotor Retaining Ring Zinc Plated / 3/16 A569 Steel

Mounting Hardware

Standard Mount Universal I-Beam Clamp w/ Swivel Joint & 7.5" Drop
 Glulam Mount (Optional)..... Brackets w/ Swivel Joint & 7.5" Drop
 Extra Wide / Thick I-Beam Mount (Optional) Consult Factory
 Additional Drop Extensions (Optional) Up to 10 FT in 1 FT Increments

Motor

Phase3
 Volts 208-230/460 3Ø
 Insulation Class F

Gearbox

Type 2-Stage Helical
 Service Interval Lubed For Life

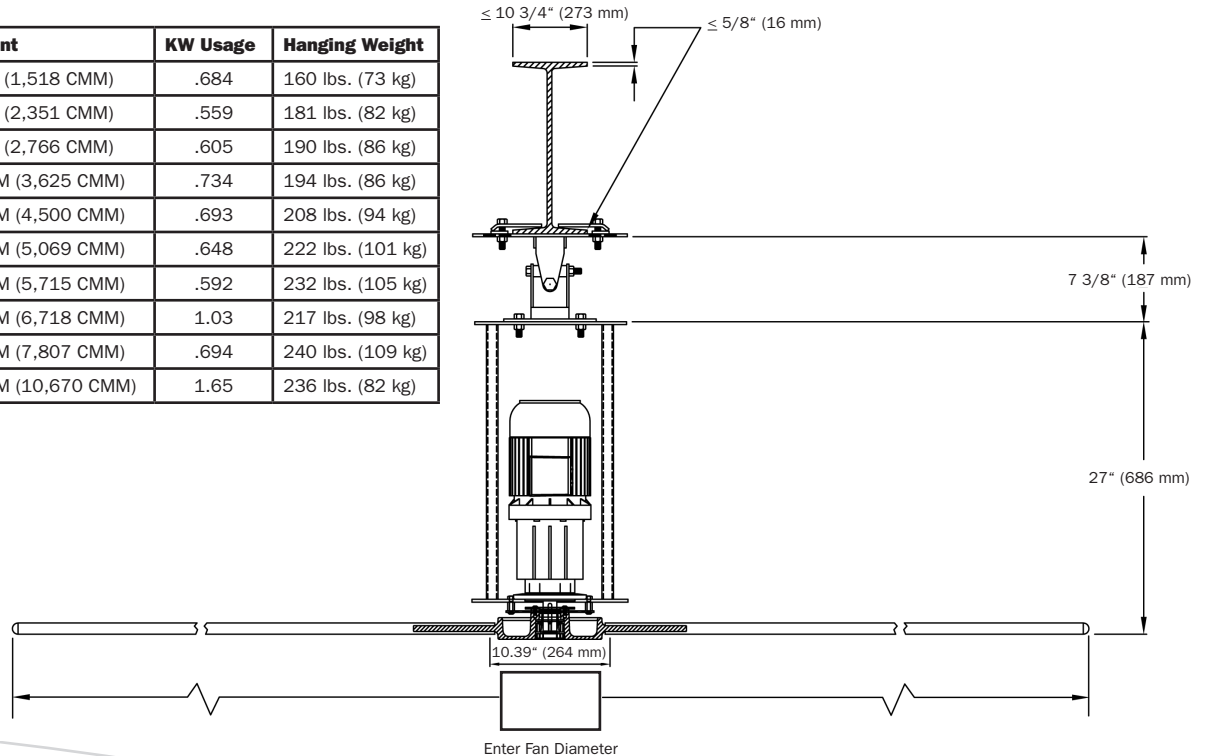
Motor Control Panel (MCP)

Standard Power 208-230V 1Ø or 3Ø, 460-480V 3Ø
 Enclosure NEMA 1
 Disconnect Switch 20-25 Amp, Lockable
 Remote Control Wall Mounted Switch NEMA 4X Fwd/Off/Rev w/Speed Control Knob
 RF Line Filter Built In
 VFD Motor Drive Cable 25 Feet / 7.62 Meters
 Remote Cable 100 Feet / 30.48 Meters
 Special Wiring (Optional) Consult Factory
 Enclosure (Optional)..... NEMA 4/ 4x
 50hz Operation (Optional)
 Line Reactor (480V Only) (Optional)

Warranty

Blades, Hub & Mounting System Limited Lifetime
 Drive System -12 Year Limited

Fan Size	Displacement	KW Usage	Hanging Weight
8 FT 1 HP	53,693 CFM (1,518 CMM)	.684	160 lbs. (73 kg)
10 FT 1 HP	83,025 CFM (2,351 CMM)	.559	181 lbs. (82 kg)
12 FT 1 HP	97,695 CFM (2,766 CMM)	.605	190 lbs. (86 kg)
14 FT 1 HP	128,010 CFM (3,625 CMM)	.734	194 lbs. (86 kg)
16 FT 1 HP	158,911 CFM (4,500 CMM)	.693	208 lbs. (94 kg)
18 FT 1 HP	179,015 CFM (5,069 CMM)	.648	222 lbs. (101 kg)
20 FT 1 HP	201,805 CFM (5,715 CMM)	.592	232 lbs. (105 kg)
20 FT 1.5 HP	237,231 CFM (6,718 CMM)	1.03	217 lbs. (98 kg)
24 FT 1 HP	275,694 CFM (7,807 CMM)	.694	240 lbs. (109 kg)
24 FT 2 HP	376,804 CFM (10,670 CMM)	1.65	236 lbs. (82 kg)



VELOCITY™ HVLS FAN



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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.