

# SCALAR PRO WF-L6

6-Blade HVHS Wall/Ceiling-Mounted Fan



## KEY FEATURES

- Internally-ribbed aluminum airfoils and aerodynamic wingtips designed for maximum airflow with minimal power consumption
- High-efficiency, high-torque, maintenance-free permanent magnet synchronous motor (PMSM)
- Equipped with lightweight yet heavy-duty steel cage and mounting hardware
- 120+ ft horizontal airflow pattern
- In-house engineering and vertically integrated manufactured components
- Promotes IEQ (indoor environmental quality) per ASHRAE 55



Complies with UL 507



Diameters: 4'3" & 6'6"

### ■ Proprietary Airfoils

Inspired by Swifter's innovations in industrial and equipment fan technology, the Scalar Pro's six aircraft-grade anodized aluminum blades deliver industry-leading CFM/Watt efficiency.

### ■ Premium Direct Drive Motor

The IP57-rated permanent magnet synchronous motor (PMSM) reduces maintenance needs and ensures lasting reliability, eliminating issues typically associated with gearbox motors.

### ■ Variable-Speed Controller

Ground-level variable frequency drive for fine-tuned speed control. IP55-rated for dust and water protection.

### ■ Safety Features

UL 507 certified for complete system safety. OSHA-compliant, rugged construction designed with a protective steel cage, heavy-duty mounting hardware, and aircraft-grade steel guy wires.

### ■ Rugged Construction and Finish

Engineered for durability and constructed with the highest quality steel and aluminum materials. Featuring an intense black fluorocarbon finish that resists abrasions and scratches.

### ■ Limited Warranty

5-year mechanical (including motor); 3-year electrical. [Warranty Policy](#).

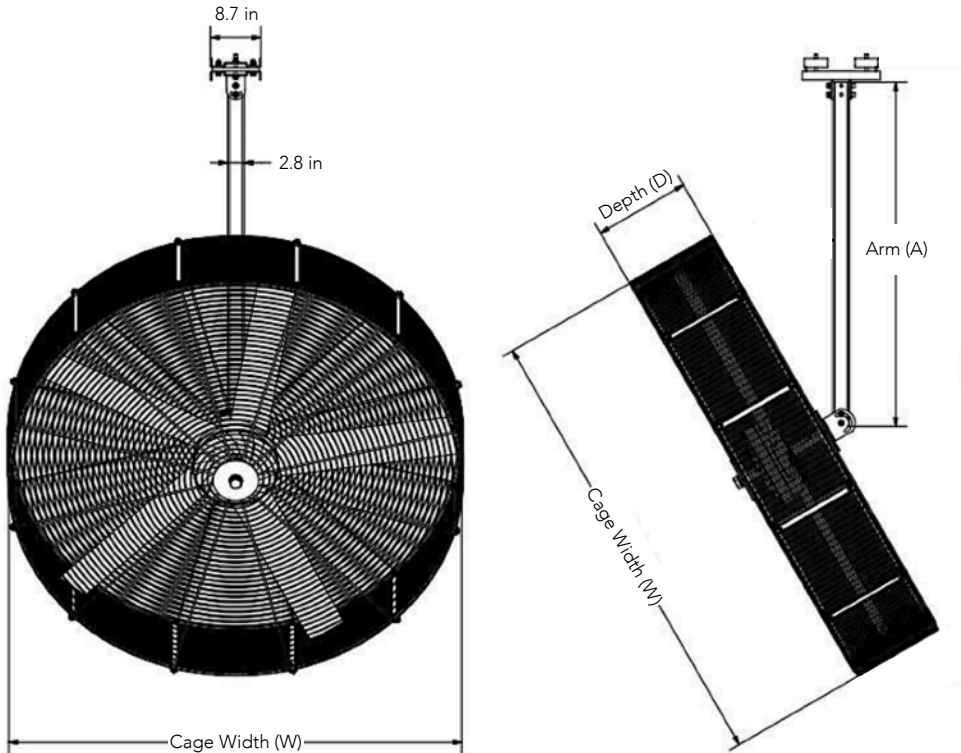
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## TECHNICAL SPECIFICATIONS

		WF-L6-6	WF-L6-4
Dimensions & Performance	Cage Width (W)	6' 6"	4' 3"
	Airflow (Cubic Feet per Minute)	42,370 CFM	24,720 CFM
	Max. RPM	270	450
	Extension Arm (A)	39", 59" (custom sizes available)	
	Weight	115 lbs (52 kg)	79 lbs (36 kg)
	Input Power	200-240 VAC $\pm$ 10%, 50/60Hz, 1 $\Phi$ standard 110-120 VAC / 400-480 VAC / 3 $\Phi$ optional	
	Sound Level*	<65 dBA at max. speed	
	Mounting	Concrete ceiling & wall, I beams, square tubes, square beams, columns, round bars	
Motor (PMSM)	Full Load Current at 240 V	4.1 A	
	Full Load Power at 240 V	977 W	
	IP Rating	IP57	
	Insulation Class	IEC/NEMA Class F	
	Bearing L10 Life	100,000 hours per ABMA standards	

\* Under laboratory conditions



	WF-L6-6	WF-L6-4
Cage Width (W)	78.0 in	51.0 in
Depth (D)	16.5 in	13.0 in
Arm (A)	39.0 in, 59.0 in, custom	

VFD Controller  
(not to size)  
Height: 6.25 in.  
Width: 8.25 in.  
Depth: 4.5 in.

