

TECHNICAL SPECIFICATIONS AIRFLOW FALCON III - 10' (3.0m)

Model	BGF3-1030		
Diameter	10' / 3 meters		
Number of Airfoils	3 Airfoils		
Airfoil Finish	Clear Anodized Aluminum		
Frame and Mounting Finish	1/4" Black Powder Coated Steel		
Wingtip	3 Standard Wingtips (blue)		
Installed Weight	170 lb / (77 kg)		
Maximum Speed	126 RPM		
Air Displacement	40,043 CFM / 1,134 CMM		
Available Input Power	115 VAC (99 - 126 VAC) 19A Peak	48-62 Hz	1 Phase
	240 VAC (198 - 264 VAC) 7.9A Peak	48-62 Hz	1 Phase
	240 VAC (198 - 264 VAC) 8.2A Peak	48-62 Hz	3 Phase
	480 VAC (342 - 528 VAC) 4.2A Peak	48-62 Hz	3 Phase
	575 VAC (450 - 660 VAC) 2.7A Peak	48-62 Hz	3 Phase
Reducer	Premium Viton double lip output seals, lifetime synthetic oil, robust 1" (25 mm) dia. output shaft, lubed for life, painted blue		
Nominal Motor Horsepower	1 HP (0.75 kW)		
Motor RPM	1,725 RPM		
Speed Controller	NEMA 4X wall mounted enclosure with forward / off / reverse switch and speed control 100' (30.5 meters) length of control cable supplied		
Controller Connection	10V DC Analog		
VFD Enclosure	NEMA 1, ANSI 61, gray polyester powder painted steel enclosure with hinged-cover		
VFD Motor Supply Cable	15' / 4.57 meters		
Safety Components	Airfoil Boomerang Brackets (3)	Guy Wires (4)	Safety Cable (1) Safety Z Brackets (6)
Disconnect Switch	25A Lockable		
dBA at Max. RPM	< 45 dBA*		
Recommended Airfoil Clearance	Horizontal from Wingtips: 18" (0.46 meters)		
	Vertical from Mounting Point: 56.5" (1.4 meters)		
Extension Bar	1' standard, available in 1' (305 mm) increments up to 10' (3,048 mm)		
Motor Pallet Dimensions / Weight	30.5" x 33" x 30.5" (0.77 x 0.83 x 0.77 meters)		145 lb (65 kg)
Airfoil Pallet Dimension / Weight	24" x 8' x 17" (0.60 x 2.44 x 0.43 meters)		75 lb (34 kg)
Certification	ANSI / UL 507		
	CAN / CSA C22.2 No.113-10		
	C-Tick		



*dBA values were obtained from sound testing at maximum speed in a controlled environment. Actual results may vary.



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