

## TECHNICAL SPECIFICATIONS AIRFLOW FALCON III - 14' (4.3m)

<b>Model</b>	BGF3-1443		
<b>Diameter</b>	14' / 4.3 meters		
<b>Number of Airfoils</b>	3 Airfoils		
<b>Airfoil Finish</b>	Clear Anodized Aluminum		
<b>Frame and Mounting Finish</b>	1/4" Black Powder Coated Steel		
<b>Wingtip</b>	3 Standard Wingtips (blue)		
<b>Installed Weight</b>	190 lb / (86 kg)		
<b>Maximum Speed</b>	83 RPM		
<b>Air Displacement</b>	57,575 CFM / 1,630 CMM		
<b>Available Input Power</b>	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
<b>Reducer</b>	Premium Viton double lip output seals, lifetime synthetic oil, robust 1" (25 mm) dia. output shaft, lubed for life, painted blue		
<b>Nominal Motor Horsepower</b>	1 HP (0.75 kW)		
<b>Motor RPM</b>	1,725 RPM		
<b>Speed Controller</b>	NEMA 4X wall mounted enclosure with forward / off / reverse switch and speed control 100' (30.5 meters) length of control cable supplied		
<b>Controller Connection</b>	10V DC Analog		
<b>VFD Enclosure</b>	NEMA 1, ANSI 61, gray polyester powder painted steel enclosure with hinged-cover		
<b>VFD Motor Supply Cable</b>	15' / 4.57 meters		
<b>Safety Components</b>	Airfoil Boomerang Brackets (3)	Guy Wires (4)	Safety Cable (1) Safety Z Brackets (6)
<b>Disconnect Switch</b>	25A Lockable		
<b>dBA at Max. RPM</b>	< 45 dBA*		
<b>Recommended Airfoil Clearance</b>	Horizontal from Wingtips: 25" (0.64 meters)		
	Vertical from Mounting Point: 62" (1.6 meters)		
<b>Extension Bar</b>	1' standard, available in 1' (305 mm) increments up to 10' (3,048 mm)		
<b>Motor Pallet Dimensions / Weight</b>	30.5" x 33" x 30.5" (0.77 x 0.83 x 0.77 meters)		145 lb (65 kg)
<b>Airfoil Pallet Dimension / Weight</b>	24" x 8' x 17" (0.60 x 2.44 x 0.43 meters)		95 lb (43 kg)
<b>Certification</b>	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.

