## Falcon III – 14' (4.3m) HVLS Fan

## **BLUE GIANT**®

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

Model	BGF3-1443			-
Diameter	14' / 4.3 meters		4	
Number of Airfoils	3 Airfoils			
Airfoil Finish	Clear Anodized Aluminum			
Frame and Mounting Finish	1/4" Black Powder Coated Steel	-	Ariat BAAST	
Wingtip	3 Standard Wingtips (blue)			
Installed Weight	190 lb / (86 kg)			
Maximum Speed	83 RPM		i	
Air Displacement	57,575 CFM / 1,630 CMM			
Available Input Power	115 VAC (99 - 126 VAC) 19A Peak	48-6	62 Hz	1 Phase
	240 VAC (198 - 264 VAC) 7.9A Peak	× 48-6	62 Hz	1 Phase
	240 VAC (198 - 264 VAC) 8.2A Peak	× 48-6	62 Hz	3 Phase
	480 VAC (342 - 528 VAC) 4.2A Peak	× 48-6	62 Hz	3 Phase
	575 VAC (450 - 660 VAC) 2.7A Peal	× 48-6	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 $100^{\circ}$ (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*			
Decommonded Airfall Olegranse	Horizontal from Wingtips: 25" (0.64	meters)		
Recommended Airfoil Clearance	Vertical from Mounting Point: 62" (1.6 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)			95 lb (43 kg)
Certification	ANSI / UL 507			
	CAN / CSA C22.2 No.113-10			
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\*dBA values were obtained from sound testing at maximum speed in a controlled environment. Actual results may vary.



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FALCON III