E EPIC FANS BREVIS 3 BLADE HVLS FAN



Project Information

Certified For Construction

By _____
Company _____
Date ____



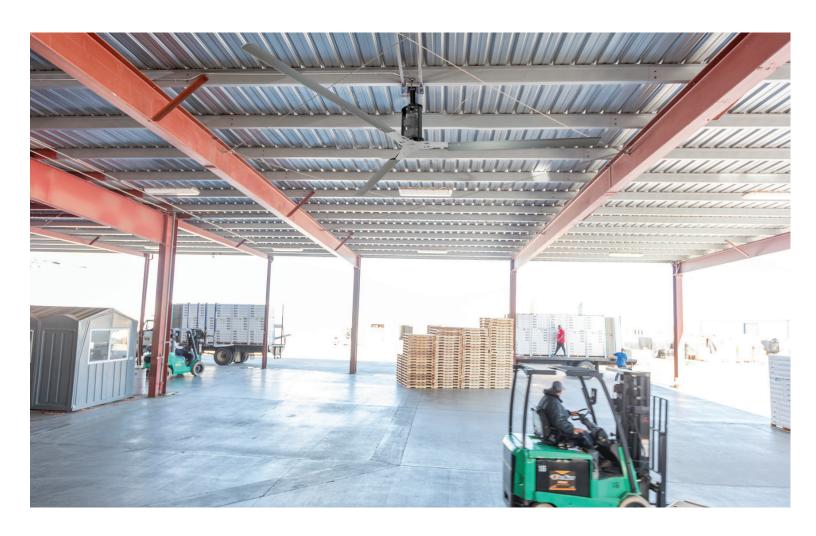




BREVIS 3 BLADE HVLS FAN

PROJECT SUBMITTAL FORM

Quantity and Fan Diameter 12 ft (3.7)	7 m)	16 ft (4.9 m)	20 ft (6.	0 m)	
Available Options					
 □ Mounting extension □ Extra wide beam plate □ Laminated wood beam brackets □ Truss span mounting kit (consult famounting kit (consu	IN / MM				
Notes					
Voltage □ 110 V single phase			Sizing		
☐ 208-240 V single phase	Voltage	6022228 120V/1PH/50 60HZ	6022229 230V/1PH 3PH/50 60HZ	6022227 460V/3PH/50 60HZ	6022230 600V 3PH/50 60HZ
3 1	FLA	120V/1PH/30 00HZ 12.1A	1PH 7.2A/3PH 4.1A	1.9A	1.8A
□ 208-240 V 3 phase		1HP/2.9FLA @	1HP/2.9FLA @	1HP/1.46FLA @	1HP/1.46FLA @
☐ 380-480 V 3 phase	Motor	230V/60HZ	230V/60HZ	460V/60HZ	460V/60HZ
'	VFD	120V/1PH 1 HP/0.75KW/16.6A	230VAC 1/3PH 1 HP/0.75KW 8.8A/5.0A	460VAC 1PH 1 HP/0.75KW/2.5A	600VAC 3PH 1 HP/0.75KW 2.0A
□ 575 V 3 phase	0/1	2.0.A	1 TIP/0.73KW 6.6A/3.0A	1 46 A	10.0 A





BREVIS 3-Blade HVLS FAN

PRODUCT SPECIFICATIONS

HIGH VOLUME LOW SPEED FAN

Construction					
Frame	Black Powder Coat / Welded Steel Fabrication				
Hub Assembly	6061-T6 Aluminum				
Blade Struts (Invertible)	Clear Zinc / High Tensile Steel				
Blades	Anodized / 6063-T6 Aluminum				

Safety Components				
Steel Hub Plate				
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			
Rotor Retaining Ring	Zinc Plated / 3/16 A569 Steel			

Mounting Hardware						
Standard Mount	Universal I-Beam Clamp w/ Swivel Joint & 7" Drop					
Laminated Wood Beam Clamp (Optional)	Brackets					
Extra Wide / Thick I-Beam Mount (Optional)	Consult Factory					
Additional Drop Extensions (Optional)	Up to 10 FT in 1 FT Increments					

Source Voltage					
Standard Power	110V 1Ø or 208-230V 1Ø or 3Ø, 380-480V, 575V 3Ø				

Gearbox and Motor						
Enclosure / Insulation Class / Efficiency Class	IP55 / F / IE3					
Туре	2-Stage Helical					
Service Interval	Lubed For Life					

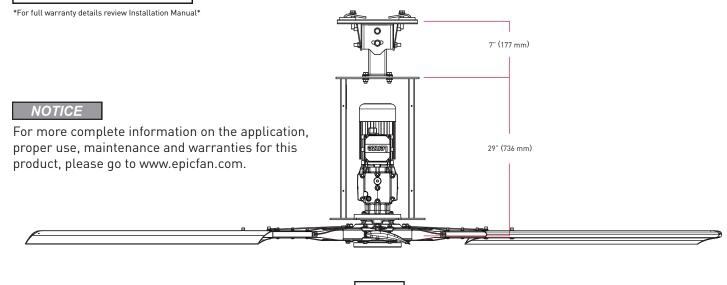
VFD Assembly					
Enclosure	NEMA 4X				
LENZE Wash Down Druty Inverter	All in One VFD Control				
50 Hz Operation (Optional)	60 Hz Operation				
Disconnect	Panel Mount, UL/CE				
UL Certified / cUL / FAC / C-Tick	-10 to 55C @ 6kHz / 14				

Warranty
Lifetime Warranty on Blades, Hub & Frame
3-Year Limited (Mechanical & Electrical)
1-Year Labor

Fan Size	Hanging Weight	RPM		
12 FT 1.0 HP	181 lbs. (86 kg)	125		
16FT 1.0 HP	198 lbs. (94 kg)	92		
20 FT 1.0 HP	214 lbs. (105 kg)	72		



Control Panel













BREVIS 3-Blade HVLS FAN

PRODUCT SPECIFICATIONS

HIGH VOLUME LOW SPEED FAN

Fan Size /	Calculated % of	*Tested to ANSI/AMCA			Voltage / Phase /		Direction of Operation		Integrated Efficiency (CFM / Watt
•									
Impeller Diameter	Max CFM	Standard 230-15 HVLS*	Fan RPM	Input Power	Frequency	Input Power W	(Forward / Reverse)	Stand By Power	Overall Rating = 149.12
12'	100%	56,081	120	480 V / 3 PHASE	480 / 3 / 60	452	FORWARD	6.52 W	124.07
12'	80%	44,632	96	480 V / 3 PHASE	480 / 3 / 60	298	FORWARD	6.52 W	149.78
12'	60%	33,759	72	480 V / 3 PHASE	480 / 3 / 60	197	FORWARD	6.52 W	171.72
12'	40%	22,367	48	480 V / 3 PHASE	480 / 3 / 60	111	FORWARD	6.52 W	202.2
12'	20%	11,373	25	480 V / 3 PHASE	480 / 3 / 60	64	FORWARD	6.52 W	176.9
		CFM							
Fan Size /	Calculated % of	*Tested to ANSI/AMCA			Voltage / Phase /		Direction of Operation		Integrated Efficiency (CFM / Watt
Impeller Diameter	Max CFM	Standard 230-15 HVLS*	Fan RPM	Input Power	Frequency	Input Power W	(Forward / Reverse)	Stand By Power	Overall Rating = 191.82
16'	100%	110,269	102	480 V / 3 PHASE	480 / 3 / 60	770	FORWARD	6.5 W	143.28
16'	80%	88,930	82	480 V / 3 PHASE	480 / 3 / 60	479	FORWARD	6.5 W	185.68
16'	60%	66,203	62	480 V / 3 PHASE	480 / 3 / 60	257	FORWARD	6.5 W	257.18
16'	40%	43,377	41	480 V / 3 PHASE	480 / 3 / 60	130	FORWARD	6.5 W	333.9
16'	20%	19,404	21	480 V / 3 PHASE	480/3/60	69	FORWARD	6.5 W	283.29
		CFM							
Fan Size /	Calculated % of	*Tested to ANSI/AMCA			Voltage / Phase /		Direction of Operation		Integrated Efficiency (CFM / Watt
Impeller Diameter	Max CFM	Standard 230-15 HVLS*	Fan RPM	Input Power	Frequency	Input Power W	(Forward / Reverse)	Stand By Power	Overall Rating = 337.33
20'	100%	145,645	70	480 V / 3 PHASE	480 / 3 / 60	655	FORWARD	7.1 W	211.62
20'	80%	118,061	56	480 V / 3 PHASE	480 / 3 / 60	388	FORWARD	7.1 W	289.11
20'	59%	75,696	41	480 V / 3 PHASE	480 / 3 / 60	174	FORWARD	7.1 W	414.81
20'	40%	56,112	28	480 V / 3 PHASE	480 / 3 / 60	131	FORWARD	7.1 W	406.15
20'	19%	31,258	13	480 V / 3 PHASE	480 / 3 / 60	82	FORWARD	7.1 W	364.95



4Front Engineered Solutions certifies that the 3-Blade model 12'-16' shown herein is licensed to bear the AMCA seal. The ratings shown are based on the tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

AMCA Certified ratings seal applies at free delivery only. Performance ratings do not include the effects of appurentances (accessories).



