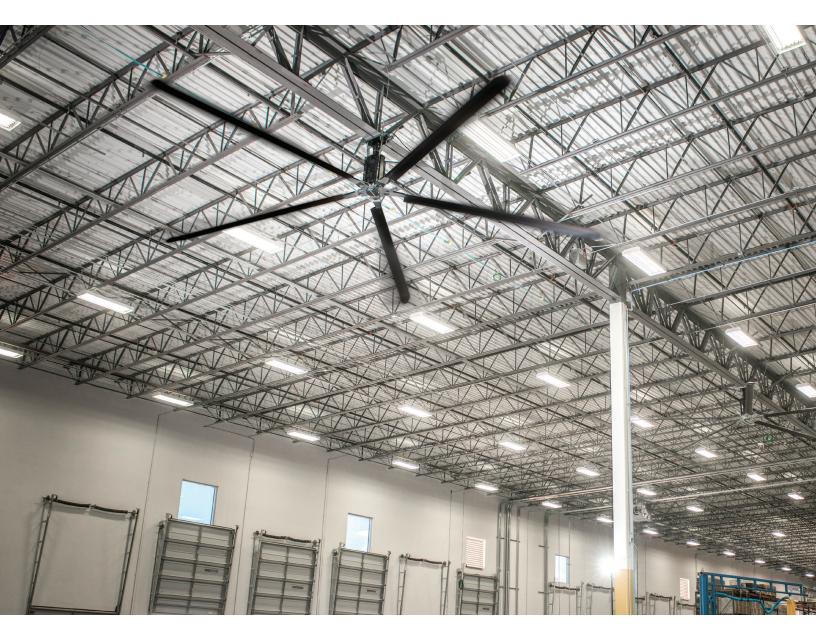
EPIC FANS COLOSSUS INDUSTRIAL HVLS FAN



Project Information

Certified For Construction

By ______
Company _____
Date







COLOSSUS INDUSTRIAL HVLS FAN

PROJECT SUBMITTAL FORM

Quantity and	8 ft (2.4 m)	10 ft (3.0 m) 12 ft (3.7 m) 14 ft (4.3 m)
an Diameter	16 ft (4.9 m)	18 ft (5.5 m) 20 ft (6.0 m) 24 ft (7.3 m)
Control Options		Mechanical Options
☐ Wired Touch Sc	reen	☐ Mounting ExtensionsFT / M
☐ Wired Touch Sc	reen with Temperature Control	☐ Extra Wide Beam Plate inch wide beam
☐ Multi Fan Remo	te (2-6) Fans	☐ Powder Coated Blades RAL Color
☐ Slave Remote		☐ Powder Coated Frame & Mount RAL Color
□ NEMA 4X Remo	te Enclosure	☐ Powder Coated Winglets RAL Color
□ NEMA 4X VFD E	Enclosure	☐ Corrosion Resistant Package **consult factory
☐ iFan 4.3 (12 Fans	Max/3 Groups Max) *120V Power Required	☐ Black Anodized Blades
☐ Temperature C	Control Option BACnet TCP/I	☐ Silver Anodized Blades
☐ Humidity Option	on	☐ Black Motor Covers
☐ iFan 7.0 (24 Fans	s Max/4 Groups Max) *120V Power Required	☐ Silver Motor Covers
☐ Temperature C		D Laminated Wood Beam Brackets
☐ Humidity Optio	n 🗆 BACnet MSTP	☐ Truss Span Mounting Kit (consult factory)
☐ iFan 10.0 (30 Fai	ns Max/4 Groups Max) *120V Power Required	☐ Z-Purlin Mounting Kit (consult factory)
☐ Temperature C	ontrol Option BACnet TCP/II	
☐ Humidity Optio	n 🗆 BACnet MSTP	Notes
☐ BMS Interface (Card	
☐ Modbus TCP/I	P ☐ BACnet TCP/II	
☐ BACnet MSTP	☐ Slave Remote	

Voltage

☐ 208 - 240V Single Phase

☐ 208 - 240V 3 Phase

☐ 460 - 480V 3 Phase

☐ 575V 3 Phase

Sizing Chart

. [6021100	6021103	6021101	6021102	6021104	6021105	6021106	6021107
Voltage	230V/1PH/50 60HZ	230V/1PH/50 60HZ	230V/3PH/50 60HZ	460V 3PH/50 60HZ	230V/3PH/50 60HZ	460V/3PH/50 60HZ	460V/3PH/50 60HZ	460V 3PH/50 60HZ
FLA	13.1A	14.3A	5.5A	3A	6.6A	3.5A	3.5A	3A
Fuse	KTKR15	KTKR20	KTKR10	KTKR5	KTKR10	KTKR5	KTKR5	KTKR5
	1.5HP, 4.1FLA @	2HP/5.6FLA @	1.5HP/4.1FLA @	1.5HP/2.1FLA @	2HP/5.6FLA @	2HP/2.8FLA @	2HP/2.8FLA @	1.5HP/2.1FLA @
Motor	230V/60HZ	230V/60HZ	230V/60HZ	460V/60HZ	230V/60HZ	460V/60HZ	460V/60HZ	460V/60HZ
Line Reactor	NA	NA	NA	NA	NA	NA	6010719	6010718
	200 230 V/1PH	200 230 V/1PH	200 230 V/3PH	360 480 V/3PH	200 230V/3PH	360 480V/3PH	360 480V/3PH	360 480V/3PH
VFD	2 HP/1.5KW/7.0A	1 HP/0.75KW 8.8A/5.0A	2 HP/1.5KW/7A	2 HP/1.5KW 3.6A	2 HP/1.5KW/7A	2 HP/1.5KW/3.6A	2 HP/2.2KW/5A	3 HP/2.2KW 5A
O/L	5.0 A	6.8 A	5.0 A	2.6 A	6.8 A	3.4 A	3.4 A	2.6 A



COLOSSUS INDUSTRIAL 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				
Blade End Winglets	Aluminum 3003-H14				

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" Dro						
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 208-230V 1Ø or 3Ø, 460-480V, 575V 3Ø*						
*Requires additional transformer enclosure						

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

VFD Assembly					
Enclosure	NEMA 1				
Remote CAT 5E Cable	1 - 100 Feet / 30.48 Meters				
50hz Operation (Optional)	(Not included with iFAN™ option)				
Disconnect	Panel Mount, UL/CE				
UL Certified					
Internal Fusing Included					

Fan Control Station						
Pail Collit of Station						
Туре	Touchscreen LCD					
Connection	CAT 5E (provided)					
Mounting	STD Wall J-Box					

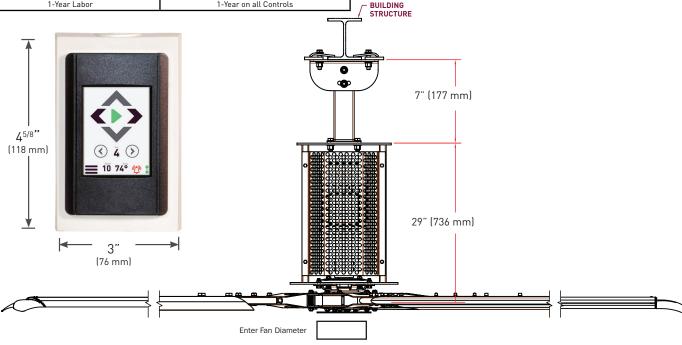
Warranty						
Lifetime Warranty on Blades, Hub & Frame 15-Year Mechanical						
15-Year Non Pro Rated	7-Year Electrical					
4.14						

Fan Size	Hanging Weight	Normal Industrial Spacing	RPM
8 FT 1.5 HP	164 lbs. (73 kg)	55 feet	198
10 FT 1.5 HP	173 lbs. (82 kg)	60 feet	154
12 FT 1.5 HP	181 lbs. (86 kg)	65 feet	125
14 FT 1.5 HP	189 lbs. (86 kg)	70 feet	106
16 FT 1.5 HP	198 lbs. (94 kg)	90 feet	92
18 FT 1.5 HP	206 lbs. (101 kg)	95 feet	81
20 FT 1.5 HP	214 lbs. (105 kg)	100 feet	72
24 FT 2.0 HP	231 lbs. (107 kg)	110 feet	60

NOTICE

For more complete information on the application, proper use, maintenance and warranties for this product, please go to www.epicfan.com









ESF-CIHVLS-0521

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COLOSSUS INDUSTRIAL HVLS FAN

PRODUCT SPECIFICATIONS

HIGH VOLUME LOW SPEED FAN

		CFM			Voltage /				
Fan Size /	Calculated % of	*Tested to ANSI/AMCA			Phase /		Direction of Operation		Integrated Efficiency (CFM / Watt)
Impeller Diamet	ter Max CFM	Standard 230-15 HVLS*	Fan RPM	Input Power	Frequency	Input Power W	(Forward / Reverse)	Stand By Power	Overall Rating = 61.36
8'	100%	40,089	198	480 V / 3 PHASE	480 / 3 / 60	866	FORWARD	11.1 W	46.26
8'	80%	32,116	158	480 V / 3 PHASE	480/3/60	533	FORWARD	11.1 W	60.19
8'	60%	24,746	119	480 V / 3 PHASE	480 / 3 / 60	324	FORWARD	11.1 W	76.36
8'	40%	17,417	80	480 V / 3 PHASE	480 / 3 / 60	195	FORWARD	11.1 W	88.99
8'	20%	11,514	39	480 V / 3 PHASE	480 / 3 / 60	120	FORWARD	11.1 W	95.61

Fan Size / Impeller Diameter	Calculated % of Max CFM	CFM *Tested to ANSI/AMCA Standard 230-15 HVLS*	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power W	Direction of Operation (Forward / Reverse)	Stand By Power	Integrated Efficiency (CFM / Watt) Overall Rating = 91.48
10'	100%	58,763	153	480 V / 3 PHASE	480 / 3 / 60	923	FORWARD	10 W	63.65
10'	81%	48,132	124	480 V / 3 PHASE	480 / 3 / 60	573	FORWARD	10 W	83.91
10'	61%	38,315	94	480 V / 3 PHASE	480 / 3 / 60	350	FORWARD	10 W	109.22
10'	39%	24,164	59	480 V / 3 PHASE	480 / 3 / 60	170	FORWARD	10 W	141.53
10'	19%	26,286	29	480 V / 3 PHASE	480 / 3 / 60	110	FORWARD	10 W	237.84

Im	Fan Size /	Calculated % of Max CFM	*Tested to ANSI/AMCA Standard 230-15 HVLS*	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power W	Direction of Operation (Forward / Reverse)	Stand By Power	Integrated Efficiency (CFM / Watt) Overall Rating = 112.13
Г	12'	100%	81,357	124	480 V / 3 PHASE	480 / 3 / 60	1,002	FORWARD	10.37 W	81.13
	12'	81%	65,169	100	480 V / 3 PHASE	480 / 3 / 60	606	FORWARD	10.37 W	107.41
	12'	59%	48,371	73	480 V / 3 PHASE	480 / 3 / 60	331	FORWARD	10.37 W	145.91
	12'	40%	33,803	50	480 V / 3 PHASE	480 / 3 / 60	194	FORWARD	10.37 W	173.97
	12'	19%	24,326	24	480 V / 3 PHASE	480 / 3 / 60	110	FORWARD	10.37 W	219.53

	Fan Size /	Calculated % of	CFM *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 = 132.36
[14'	100%	106,317	106	480 V / 3 PHASE	480 / 3 / 60	1,138	FORWARD	10.4 W	93.40
ſ	14'	81%	86,853	86	480 V / 3 PHASE	480 / 3 / 60	693	FORWARD	10.4 W	125.30
ſ	14'	60%	67,667	64	480 V / 3 PHASE	480 / 3 / 60	398	FORWARD	10.4 W	169.84
ſ	14'	41%	45,112	43	480 V / 3 PHASE	480 / 3 / 60	196	FORWARD	10.4 W	229.93
ı	14'	21%	31,414	22	480 V / 3 PHASE	480/3/60	112	FORWARD	10.4 W	279.57

			CFM			Voltage /				
	Fan Size /	Calculated % of	*Tested to ANSI/AMCA			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 = 159.25
[16'	100%	133,147	91	480 V / 3 PHASE	480 / 3 / 60	1,197	FORWARD	10 W	111.17
[16'	81%	107,690	74	480 V / 3 PHASE	480 / 3 / 60	710	FORWARD	10 W	151.49
[16'	60%	80,349	55	480 V / 3 PHASE	480 / 3 / 60	371	FORWARD	10 W	216.50
[16'	40%	53,646	36	480 V / 3 PHASE	480 / 3 / 60	191	FORWARD	10 W	279.72
ſ	16'	20%	39,184	18	480 V / 3 PHASE	480 / 3 / 60	118	FORWARD	10 W	331.07

		CFM			Voltage /				
Fan Size /	Calculated % of	*Tested to ANSI/AMCA			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 = 182.02
18'	100%	159,767	81	480 V / 3 PHASE	480 / 3 / 60	1,252	FORWARD	11.1 W	127.61
18'	80%	129,904	65	480 V / 3 PHASE	480 / 3 / 60	746	FORWARD	11.1 W	173.92
18'	59%	94,231	48	480 V / 3 PHASE	480 / 3 / 60	363	FORWARD	11.1 W	259.27
18'	40%	64,605	32	480 V / 3 PHASE	480 / 3 / 60	197	FORWARD	11.1 W	326.75
18'	21%	40,156	17	480 V / 3 PHASE	480 / 3 / 60	113	FORWARD	11.1 W	353.58

		CFM			Voltage /				
Fan Size /	Calculated % of	*Tested to ANSI/AMCA			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 = 204.03
20'	100%	189,582	72	480 V / 3 PHASE	480 / 3 / 60	1,311	FORWARD	8 W	144.56
20'	81%	150,935	58	480 V / 3 PHASE	480 / 3 / 60	742	FORWARD	8 W	203.23
20'	60%	110,824	43	480 V / 3 PHASE	480 / 3 / 60	366	FORWARD	8 W	302.72
20'	40%	67,489	29	480 V / 3 PHASE	480 / 3 / 60	171	FORWARD	8 W	392.97
20'	19%	30,919	14	480 V / 3 PHASE	480 / 3 / 60	94	FORWARD	8 W	326.95

			CFM			Voltage /				
Fan Size	e/ Calcu	ulated % of	*Tested to ANSI/AMCA			Phase /		Direction of Operation		Integrated Efficiency (CFM / Watt)
Impeller Dia	meter M	Nax CFM	Standard 230-15 HVLS*	Fan RPM	Input Power	Frequency	Input Power W	(Forward / Reverse)	Stand By Power	Overall Rating = 234.35
24'		100%	251,845	60	480 V / 3 PHASE	480 / 3 / 60	1,515	FORWARD	12 W	166.23
24'		80%	196,949	48	480 V / 3 PHASE	480/3/60	838	FORWARD	12 W	234.84
24'		60%	145,306	36	480 V / 3 PHASE	480 / 3 / 60	423	FORWARD	12 W	342.87
24'		40%	88,852	24	480 V / 3 PHASE	480 / 3 / 60	193	FORWARD	12 W	458.38
24'		20%	41,966	12	480 V / 3 PHASE	480 / 3 / 60	110	FORWARD	12 W	381.23



4Fronts Engineered Solutions certifies that the industrial model 8'-24' shown herein is licensed to bear the AMCA seal. The ratings shown are based on the tests and procedures performed in accoordance 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).



