

50", 55" & 72" AFR BELT DRIVE FANS

PSS-046-AFR_Belt_Drive-01

MORE POWER, MORE AIR, LESS ENERGY

VES-Artex AFR[™]Air™ (Air Flow Ratio) exhaust fans provide superior performance and efficiency over other exhaust fans on the market today.

Working in along side Variable Frequency Drives, AFR 50", 55", and 72" fans give you the ability to run your fans smoothly anywhere between 30% to 100% capacity based on the temperature in your facility. This increases energy savings and ensures a comfortable working environment for both staff and animals.

BENEFITS

- Industry leading performance, efficiency, and Air Flow Ratio
- Extremely quiet on all speeds
- AMCA 210-07 Certification on all 72" fans - that means VES 72" AFR exhaust fans qualify for most rebates
- Ideal for tunnel or exhaust ventilation in dairy, poultry, swine, greenhouse, factories, and warehouse applications

FEATURES

- Quick-change belt drive system
- Fully enclosed maintenance free motor
- Thick aluminum 6 blade design on 72" model
- Heavy-duty aluminum, 3 blade design on 50" & 55" models
- Taper lock hubs on motor pulley, blade pulley, & blade
- Sealed bearings on blade shaft for maintenance-free operation
- Automatic belt tensioner & adjustment bracket for easy alignment



OPTIONS

- Variable Frequency Drives (VFDs) with noise filters, multiple voltage applications, Nema 4 enclosures with optional built in or manual disconnects, wireless and sensors
- Wind deflector kits
- OSHA compliant intake guards
- Inside winter insert panels

WARRANTY

- 2-year warranty on motor
- 1-year limited warranty on all parts
- 5-year warranty on all aluminum blades
- 10-year warranty on fiberglass housing

Cone	Rough Opening	Min. Cone Spacing on Center
50"	55" x 54.5"	60"
55"	60" x 59.5"	66"
72"	78" x 77.75"	86"

50", 55" & 72" AFR BELT DRIVE FANS

AFR-CFM

Part Number	Size	H _z	HP	V	PH	AMP	RPM	CFM/ 0" SP	CFM/w	CFM/ .05" SP	CFM/w	CFM/ .10" SP	CFM/w	CFM/ .15" SP	CFM/w	CFM/ .20" SP	CFM/w	AFR
101153	50"	60	1	115/230	1	13.3/6.7	593	22,500	20.5	20,475	17.7	18,837	15.8	16,670	13.3	13,336	10.0	65%
		50		230 / 380 / 400/415	3	4.5/6.2 / 2.6/2.6												
101155	50"	60	1.5	230/460	3	4.4/2.2	586	22,500	20.5	20,475	17.7	18,837	15.8	16,670	13.3	13,336	10.0	65%
		50		190-220 / 380-415		5.3-4.8 / 2.7-2.5												
101156	55"	60	1	115/230	1	13.3/6.7	530	25,864	23.7	23,795	20.9	21,177	17.9	18,212	14.6	14,205	10.6	60%
50		15/7.5																
101157	55"	60	1.5	208-230 / 460	3	4.4/2.2	530	25,864	23.7	23,795	20.9	21,177	17.9	18,212	14.6	14,205	10.6	60%
		50		190-220 / 380-415		5.3-4.8 / 2.7-2.5												
101162	72"	60	3	230/460	3	8.4-8/4	335	43,000	27.4	41,000	24.9	39,100	20.6	36,900	20.6	33,900	18.2	83%
		50		190-220 / 380-415		9.4-9.0 / 4.7-4.5												
104344	72"	50	3	230/380	3	Call for more information												
104342		50		230/460		3	Call for more information											

AFR-M³/H

Part Number	Size	H _z	HP	V	PH	AMP	RPM	M ³ /H 0" SP	M ³ /H /w	M ³ /H .05" SP	M ³ /H /w	M ³ /H .10" SP	M ³ /H /w	M ³ /H .15" SP	M ³ /H /w	M ³ /H .20" SP	M ³ /H /w	AFR
101153	50"	60	1	115/230	1	13.3/6.7	593	38,228	34.8	34,787	30.1	32,004	26.9	28,322	22.7	22,658	17.0	65%
		50		230 / 380 / 400/415	3	4.5/6.2 / 2.6/2.6												
101155	50"	60	1.5	230/460	3	4.4/2.2	586	38,228	34.8	34,787	30.1	32,004	29.9	28,322	22.7	22,658	17.0	65%
		50		190-220 / 380-415		5.3-4.8 / 2.7-2.5												
101156	55"	60	1	115/230	1	13.3/6.7	530	43,943	40.3	40,428	35.6	35,980	30.3	30,942	24.9	24,134	18.0	60%
50		115/230		15/7.5														
101157	55"	60	1.5	230/460	3	4.4/2.2	530	43,943	40.3	40,428	35.6	35,980	30.3	30,942	24.9	24,134	18.0	60%
		50		190-220 / 380-415		5.3-4.8 / 2.7-2.5												
101162	72"	60	3	230/460	3	8.4-8/4	335	73,100	46.6	69,700	42.3	66,400	35.0	62,700	35.0	57,600	30.9	83%
		50		190-220 / 380-415		9.4-9.0 / 4.7-4.5												
104344	72"	50	3	230/380	3	Call for more information												
104342		50		230/460		3	Call for more information											

Note the 1HP, 3 Phase motors also have a 1.4 Service Factor (SF) and are variable speed with appropriate speed control.

*Bold data is certified based on testing performed by an independent accredited lab using AMCA 210 standards. See each chart for standard specifications where needed. All non-bolded data is estimated in accordance with AMCA 210 standards. VES continues to strive for the most accurate test data available. As additional independent accredited lab results become available we may need to revise information stated. **Questions? Call 715-720-0800.**