



# BLAST PANEL FANS

VES-Artex Panel Circulation Fans, also referred to as Blast Fans (BLT), are engineered to deliver reliable, high-velocity airflow that supports cow comfort and barn performance year-round. Available with both belt-drive and direct-drive motors, these fans provide exceptional airspeed at the cow level helping reduce heat stress, control insects, dry bedding, and create a more comfortable environment that supports consistent feed intake and milk production.

Designed for flexible installation, panel circulation fans can be post-mounted or suspended from the ceiling, making them adaptable to a wide range of barn layouts and ventilation strategies.

Built to withstand harsh agricultural environments, each fan features a high-grade, corrosion-resistant fiberglass housing with a thick UV-protective coating to extend service life. Motors are CSA and CSA-US certified, IP66 rated, and available in both 50 Hz and 60 Hz configurations to meet regional and facility-specific requirements.

All VES-Artex panel circulation fans are variable speed capable and can be integrated into an overarching control system. This allows producers to automate fan operation based on temperature, humidity, or environmental conditions—delivering consistent airflow while reducing energy use and labor demands.

## Cooling Power

For enhanced cooling performance during warm weather, panel circulation fans can be paired with a high-pressure fogging system. This combination lowers the temperature of the air delivered to the herd, improving heat abatement and maintaining cow comfort during periods of elevated heat and humidity.



## Warranty

- 10 years on housings and guards
- 10 years on poly blades
- 5 years on steel blades
- 2 years on motors

Belt Drive Sizes	Direct Drive Sizes
55", & 72"	36", 55", 72" & 84"



## PANEL CIRCULATION FANS

Fan Size	Blade	Motor	Air Flow Thrust Rate			Fan Thrust Efficiency		Horsepower	Voltage	Phase	Full Load Amps	Item Number	Description
			Thrust	Imperial	Metric	Imperial	Metric						
			lbs	CFM	m <sup>3</sup> /hr	CFM/W	(m <sup>3</sup> /hr)/W						
<b>BELT DRIVE</b>													
50"	Aluminum	AC	16.7	21500	36529	16.1	27.4	1.5	115	1	13.3	101262	BLT50 BD
50"	Aluminum	AC	17.1	21520	36563	16.5	28.0	1.5	230	1	6.7	101262	BLT50 BD
50"	G. Steel	AC	22.2	22000	37378	21.4	36.4	1.5	230	1	6.7	119152	BLT50 BD
50"	Aluminum	AC	17.5	21300	36189	17.0	28.9	1.5	208/230	3	4.8/4.4	101272	BLT50 BD
50"	Aluminum	AC	18.9	22000	37378	17.8	30.2	1.5	460	3	2.2	101272	BLT50 BD
50"	G. Steel	AC	22.6	21,300	36,189	23.1	39.25	1.5	460	3	2.2	119157	BLT50 BD
55"	G. Steel	AC	19.9	27200	46213	19.3	32.8	2	115-230	1	16.5-8.1	118919	BLT55 BD
55"	G. Steel	AC	20.6	27800	47233	19.5	33.1	2	230/460	3	5.5/2.8	118432	BLT55 BD
72"	Poly	AC	38.9	36200	61504	16.6	28.2	3	230/460	3	9.2/4.6	101278	BLT72 BD
<b>DIRECT DRIVE</b>													
50"	G. Steel	EC	19.6	22800	38737	18.7	31.8	1.5	230	1	9	119699	BLT50 EC
50"	G. Steel	EC	21	20800	35339	22	37.3	1.5	230	1	9	119716	BLT50 EC
50"	G. Steel	EC	20	22900	38907	19	32.3	1.5	230	3	8.4	119917	BLT50 EC
50"	G. Steel	EC	21.3	20800	35339	22.3	37.9	1.5	230	3	8.4	119918	BLT50 EC HE
55"	G. Steel	EC	27.7	19700	33471	30.5	51.8	2	200/230V	3	5.6/4.8	119920	BLT55 EC
55"	G. Steel	EC	19.8	25000	42475	21.0	35.7	2	460	3		119715	BLT55 EC
55"	G. Steel	PM	21.4	30600	51990	18.4	31.3	2	400/460	3	2.6/2.2	118431	BLT55 DD
55"	G. Steel	PM	19.3	27900	47402	18.4	31.2	2	200/230	3	5.6/4.8	119355	BLT55 DD
72"	Poly	PM	46.6	46210	78511	14.9	25.3	4	400/460	3	5.6/4.8	118436	BLT72 DD
72"	Poly	PM	46.6	46210	78511	14.9	25.3	4	200/230	3	11.2/9.6	118882	BLT72 DD
84"	Poly	PM	19.3	47546	80781	22.08	37.5	4	400/460	3	5.6/4.8	118641	BLT84 DD

All fans tested to AMCA standards. G. Steel = Galvanized Steel. SS refers to stainless steel framing. 50" and 55" fans were tested at BESS labs. S-series housing is Biohazard deterrent. To know if a fan is an S-series, look for an "S" before the fan size in the product description. Example: PPF55S.

117989: Fan, 50" Blast,  
Retrofit Conversion Kit,  
Belt Drive to Direct Drive  
(No Motor)



Pair with a high-pressure fogging system to decrease the temperature of the air being pushed to the herd.

