

# 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

|              |          |       |        | Air Flow Thrust Rate |        | Fan Thrust Efficiency |           |            |         |       |          |             |             |
|--------------|----------|-------|--------|----------------------|--------|-----------------------|-----------|------------|---------|-------|----------|-------------|-------------|
| Fan Size     | Blade    | Motor | Thrust | Imperial             | Metric | Imperial              | Metric    | Horsepower | Voltage | Phase | Amps     | Item Number | Description |
|              |          |       | lbs    | CFM                  | m³/hr  | CFM/W                 | (m³/hr)/W | HP         | V       | Ph    | A        |             |             |
| BELT DRIVE   |          |       |        |                      |        |                       |           |            |         |       |          |             |             |
| 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        | 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"          | Aluminum | AC    | 20.6   | 20200                | 34317  | 21.5                  | 36.5      | 1.5        | 208/230 | 3     | 4.8/4.4  | 101272      | BLT50 BD    |
| 50"          | G. Steel | AC    | 22.6   | 21300                | 36189  | 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    |
| DIRECT DRIVE |          |       |        |                      |        |                       |           |            |         |       |          |             |             |
| 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  | 22.0                  | 37.3      | 1.5        | 230     | 1     | 9        | 119716      | BLT50 EC    |
| 50"          | G. Steel | EC    | 20     | 22900                | 38907  | 19.0                  | 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          | 200/230 | 3     | 5.6/4.8  | 119920      | BLT55 EC    |
| 55"          | G. Steel | EC    | 19.8   | 25000                | 42475  | 21.0                  | 35.7      | 2          | 460     | 3     | 2.8/2.2  | 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  | 22.1                  | 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.

