

Tornado Fiberglass Exhaust Fan

J&D Manufacturing's Tornado exhaust fan is made to withstand even the harshest agricultural environments. With its stainless steel mounts and corrosion-resistant fiberglass housing with gel coat for easy cleaning and minimal dirt build-up, the Tornado exhaust fan will provide many years of high performance ventilation.



20"-36" models feature
J&D's IP66 Rated Gold Star Motor

- Dust tight
- Can be washed down from any angle
- Powerful, direct drive

Features

- Available in 12", 16", 20", 24", 36" and 50"
- **20 Year Warranty** on fiberglass housing
- Rust-free, corrosion-free, molded fiberglass housing with gel coat for low maintenance
- Stainless steel internal frame and hardware for corrosion resistance
- Your choice of poly or aluminum shutter
- Spring belt tensioner on 50" belt drive models
- Slant wall housing for more efficient airflow
- Performance-enhancing poly cones available on 20"- 50" fans
- 36" models are available with galvanized, nylon, or stainless steel prop
- **Lifetime Warranty** on cast aluminum props, available on select 50" models
- 50" belt drive model's bearings are eccentric locking, pre-lubricated, permanently sealed and rubber mounted to improve operation and reduce prop fatigue and are covered by a **3 Year Warranty**
- Totally enclosed, maintenance-free, high-efficiency motors
 - 20"- 36" models use J&D's Gold Star, direct drive, IP66 rated, CSA recognized motor, covered by a **3 Year Warranty**
 - 12", 16", and 50" models use motors that have completely sealed ball bearings, are UL and CUL recognized, and are covered by a **2 Year Warranty**



50" Model with Poly Cone



12"-16" Models



20"-24" Models



Black 36" Model with Cone

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov/product.

Tornado Fiberglass Exhaust Fan



| Part # | Sz | Ph | Spd | @0.10" SP | | Drive | Prop |
|-------------------------|-----|----|-------------|-----------------|--------------|--------|-------|
| | | | | CFM | CFM/Watt | | |
| Single Phase | | | | | | | |
| No Cone | | | | | | | |
| Aluminum Shutter | | | | | | | |
| VFA12A | 12" | 1 | 1 | 751 | 8.8 | Direct | 3-Alm |
| VFA12P | 12" | 1 | 1 | 1,020 | 6.0 | Direct | 3-Ply |
| VFA16A | 16" | 1 | 1 | 2,315 | 9.0 | Direct | 3-Alm |
| VFA16P | 16" | 1 | 1 | 2,412 | 8.2 | Direct | 3-Ply |
| VFA20P-GS | 20" | 1 | 1 | 3,968 | 8.3 | Direct | 3-Ply |
| VFA24P-GS | 24" | 1 | 1 | 5,320 | 9.5 | Direct | 2-Ply |
| VFA24A-GS | 24" | 1 | 1 | 5,339 | 11.0 | Direct | 3-Alm |
| VFA36G-GS | 36" | 1 | 1 | 7,464 | 13.9 | Direct | 3-Glv |
| VFA36N-GS | 36" | 1 | 1 | 9,008 | 15.5 | Direct | 2-Nyl |
| VFA50A | 50" | 1 | 1 | 18,357 | 16.7 | Belt | 3-CA |
| VFA50A6 | 50" | 1 | 1 | 18,635 | 16.5 | Belt | 6-Glv |
| Poly Shutter | | | | | | | |
| VFP12A | 12" | 1 | 1 | 693 | 7.9 | Direct | 3-Alm |
| VFP12P | 12" | 1 | 1 | 546 | 3.4 | Direct | 3-Ply |
| VFP16A | 16" | 1 | 1 | 2,169 | 8.3 | Direct | 3-Alm |
| VFP16P | 16" | 1 | 1 | 2,087 | 7.6 | Direct | 3-Ply |
| VFP20P-GS | 20" | 1 | 1 | 3,798 | 8.0 | Direct | 3-Ply |
| VFP24P-GS | 24" | 1 | 1 | 4,867 | 8.8 | Direct | 2-Ply |
| VFP24A-GS | 24" | 1 | 1 | 5,192 | 10.5 | Direct | 3-Alm |
| VFP36G-GS | 36" | 1 | 1 | 7,068 | 12.9 | Direct | 3-Glv |
| VFP36N-GS | 36" | 1 | 1 | 7,503 | 12.7 | Direct | 2-Nyl |
| With Cone | | | | | | | |
| Aluminum Shutter | | | | | | | |
| VFA20PC-GS | 20" | 1 | 1 | 4,564 | 9.8 | Direct | 3-Ply |
| VFA24PC-GS | 24" | 1 | 1 | 6,437 | 11.6 | Direct | 2-Ply |
| VFA24AC-GS | 24" | 1 | 1 | 5,774 | 13.1 | Direct | 3-Alm |
| VFA36GC-GS | 36" | 1 | 1 | 8,295 | 15.9 | Direct | 3-Glv |
| VFA36NC-GS | 36" | 1 | 1 | 9,100 | 15.8 | Direct | 2-Nyl |
| VFA36SC-GS | 36" | 1 | 1 | 8,172 | 15.8 | Direct | 3-SS |
| VFA50AC | 50" | 1 | 1 | 19,578 | 18.1 | Belt | 3-CA |
| VFA50GC | 50" | 1 | 1 | 20,117 | 18.0 | Belt | 3-Glv |
| VFA50AC2 | 50" | 1 | 2(H) (L) | 17,511 3,962 | 18.3 7.5 | Belt | 3-CA |
| VFA50A62 | 50" | 1 | 2(H) (L) | 19,937 5,665 | 18.4 10.1 | Belt | 6-Glv |
| VFA50GC2 | 50" | 1 | 2(H) (L) | 18,163 4,112 | 18.4 7.6 | Belt | 3-Glv |
| Poly Shutter | | | | | | | |
| VFP20PC-GS | 20" | 1 | 1 | 4,411 | 9.3 | Direct | 3-Ply |
| VFP24PC-GS | 24" | 1 | 1 | 5,884 | 10.4 | Direct | 2-Ply |
| VFP24AC-GS | 24" | 1 | 1 | 5,572 | 12.2 | Direct | 3-Alm |
| VFP36GC-GS | 36" | 1 | 1 | 7,524 | 14.2 | Direct | 3-Glv |
| VFP36NC-GS | 36" | 1 | 1 | 8,113 | 13.9 | Direct | 2-Nyl |
| VFP36SC-GS | 36" | 1 | 1 | 7,533 | 14.3 | Direct | 3-SS |
| VFP50AC | 50" | 1 | 1 | 18,111 | 16.6 | Belt | 3-CA |
| VFP50GC | 50" | 1 | 1 | 18,722 | 16.3 | Belt | 3-Glv |

| Fan Size | Rough Opening |
|----------|---------------|
| 12" | 17½"W x 18½"H |
| 16" | 21½"W x 23"H |
| 20" | 25¾"W x 25¾"H |

| Fan Size | Rough Opening | Minimum Distance Between Openings |
|----------|---------------|-----------------------------------|
| 24" | 31½"W x 31½"H | 3¼" |
| 36" | 44"W x 44"H | 9" |
| 50" | 56"W x 56"H | 10" |

Fans with a cone require a minimum spacing between rough openings to accommodate width of cones

| Part # | Sz | Ph | Spd | @0.10" SP | | Drive | Prop |
|-------------------------|-----|----|-----|-----------|----------|--------|-------|
| | | | | CFM | CFM/Watt | | |
| Three Phase | | | | | | | |
| No Cone | | | | | | | |
| Aluminum Shutter | | | | | | | |
| VFA16A3 | 16" | 3 | 1 | 2,356 | 9.9 | Direct | 3-Alm |
| VFA16P3 | 16" | 3 | 1 | 2,553 | 9.2 | Direct | 3-Ply |
| VFA20A3 | 20" | 3 | 1 | 3,053 | 11.6 | Direct | 3-Alm |
| VFA20P3 | 20" | 3 | 1 | 2,962 | 11.2 | Direct | 3-Ply |
| VFA24A3 | 24" | 3 | 1 | 4,670 | 12.0 | Direct | 3-Alm |
| VFA24P3 | 24" | 3 | 1 | 4,881 | 9.5 | Direct | 4-Ply |
| VFA36G3-GS | 36" | 3 | 1 | 8,202 | 15.1 | Direct | 3-Glv |
| VFA36N3-GS | 36" | 3 | 1 | 8,554 | 14.2 | Direct | 2-Nyl |
| VFA50A3 | 50" | 3 | 1 | 16,654 | 17.9 | Belt | 3-CA |
| Poly Shutter | | | | | | | |
| VFP20A3 | 20" | 3 | 1 | 2,902 | 10.7 | Direct | 3-Alm |
| VFP20P3 | 20" | 3 | 1 | 2,692 | 10.4 | Direct | 3-Ply |
| VFP24A3 | 24" | 3 | 1 | 4,439 | 11.4 | Direct | 3-Alm |
| VFP24P3 | 24" | 3 | 1 | 4,813 | 9.5 | Direct | 4-Ply |
| VFP16A3 | 16" | 3 | 1 | 2,248 | 9.3 | Direct | 3-Alm |
| VFP16P3 | 16" | 3 | 1 | 2,268 | 8.5 | Direct | 3-Ply |
| VFP36G3-GS | 36" | 3 | 1 | 7,701 | 13.7 | Direct | 3-Glv |
| VFP36N3-GS | 36" | 3 | 1 | 7,859 | 13.2 | Direct | 2-Nyl |
| VFP50G3 | 50" | 3 | 1 | 15,567 | 16.0 | Belt | 3-Glv |
| With Cone | | | | | | | |
| Aluminum Shutter | | | | | | | |
| VFA20AC3 | 20" | 3 | 1 | 3,225 | 12.7 | Direct | 3-Alm |
| VFA20PC3 | 20" | 3 | 1 | 3,465 | 12.1 | Direct | 3-Ply |
| VFA24AC3 | 24" | 3 | 1 | 5,267 | 14.2 | Direct | 3-Alm |
| VFA24PC3 | 24" | 3 | 1 | 5,855 | 11.2 | Direct | 4-Ply |
| VFA36GC3-GS | 36" | 3 | 1 | 9,694 | 18.0 | Direct | 3-Glv |
| VFA36NC3-GSE | 36" | 3 | 1 | 9,114 | 17.5 | Direct | 2-Nyl |
| VFA36NC3-GSH | 36" | 3 | 1 | 9,807 | 16.7 | Direct | 2-Nyl |
| VFA36SC3-GS | 36" | 3 | 1 | 8,396 | 18.6 | Direct | 3-SS |
| VFA50AC3 | 50" | 3 | 1 | 18,468 | 20.5 | Belt | 3-CA |
| VFA50GC3 | 50" | 3 | 1 | 18,170 | 20.5 | Belt | 3-Glv |
| Poly Shutter | | | | | | | |
| VFP20AC3 | 20" | 3 | 1 | 3,098 | 11.9 | Direct | 3-Alm |
| VFP20PC3 | 20" | 3 | 1 | 3,187 | 11.2 | Direct | 3-Ply |
| VFP24AC3 | 24" | 3 | 1 | 4,950 | 13.6 | Direct | 3-Alm |
| VFP24PC3 | 24" | 3 | 1 | 5,626 | 11.0 | Direct | 4-Ply |
| VFP36GC3-GS | 36" | 3 | 1 | 8,664 | 15.7 | Direct | 3-Glv |
| VFP36NC3-GSE | 36" | 3 | 1 | 8,112 | 15.2 | Direct | 2-Nyl |
| VFP36NC3-GSH | 36" | 3 | 1 | 8,858 | 14.9 | Direct | 2-Nyl |
| VFP36SC3-GS | 36" | 3 | 1 | 7,492 | 16.0 | Direct | 3-SS |
| VFP50AC3 | 50" | 3 | 1 | 15,705 | 17.0 | Belt | 3-CA |
| VFP50GC3 | 50" | 3 | 1 | 15,858 | 17.2 | Belt | 3-Glv |

Bold red text is data based on testing performed by an accredited lab using ANSI/AMCA Standard 210-07

When ordering black models add "-B" to the end of the part# (requires extended lead time)



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