



Product sheet
WF Series

- Cast aluminum drive assembly with limited 7 year bearing warranty
- Automotive style belt tensioner
- Heavy duty galvanized steel propeller
- Galvanized steel fan housing
- Single or 3 phase high efficiency motor
- Option of plastic or aluminum shutter
- MONO-STRUT for strength and durability

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WF Series

The WF50 and WF54 fans use high quality components and precise engineering to create a simple, high quality fan with optimal performance at the best price.

The cast aluminum drive assembly utilizes enclosed automotive style bearing and comes with a 7 year limited warranty. This feature along with the automotive style belt tensioner and heavy duty galvanized steel propeller promotes top performance. The MONO-STRUT offers strength and durability in a simple design.



Performance Information: Fan complete with round discharge cone, guard and inlet shutter

| Catalog No. | Shutter Material | HP Motor | RPM Prop | BHP Max | 0.0" SP | | 0.05" SP | | 0.10" SP | | 0.15" SP | | Test No. BESS Lab |
|-------------|------------------|----------|----------|---------|---------|----------|----------|----------|----------|----------|----------|----------|-------------------|
| | | | | | CFM | CFM/Watt | CFM | CFM/Watt | CFM | CFM/Watt | CFM | CFM/Watt | |
| WF501TCP | Plastic | 1 | 460 | 1.27 | 25,400 | 25.1 | 23,900 | 22.5 | 22,400 | 20.1 | 20,400 | 17.5 | 03148 |
| WF501TCJ | Aluminum | 1 | 460 | 1.28 | 26,000 | 23.5 | 24,200 | 21.2 | 22,200 | 19.0 | 20,200 | 16.9 | 05159 |
| WF501TCY | Aluminum | 1 | 460 | 1.27 | 25,300 | 24.5 | 23,900 | 22.1 | 22,400 | 19.8 | 20,700 | 17.7 | 03149 |
| WF5015TCP | Plastic | 1.5 | 515 | 1.74 | 28,000 | 19.6 | 27,000 | 18.0 | 25,800 | 16.4 | 24,400 | 14.9 | 03151 |
| WF5015TCJ | Aluminum | 1.5 | 515 | 1.72 | 28,500 | 19.0 | 27,100 | 17.5 | 25,100 | 15.9 | 23,600 | 14.6 | 05160 |
| WF5015TCY | Aluminum | 1.5 | 515 | 1.80 | 28,100 | 18.6 | 27,100 | 17.1 | 25,800 | 15.6 | 24,500 | 14.3 | 03150 |
| WF541TCEP | Plastic | 1 | 515 | 1.36 | 28,900 | 26.6 | 27,400 | 24.2 | 25,600 | 21.7 | 23,400 | 18.8 | 06139 |
| WF541TCEJ | Aluminum | 1 | 515 | 1.35 | 29,500 | 28.2 | 27,800 | 25.0 | 26,000 | 22.3 | 23,900 | 19.6 | 06141 |
| WF5415TCEP* | Plastic | 1.5 | 555 | 1.72 | 31,100 | 23.2 | 29,500 | 21.2 | 27,800 | 19.2 | 26,000 | 17.2 | 06148 |
| WF5415TCEJ* | Aluminum | 1.5 | 555 | 1.70 | 31,900 | 24.5 | 30,300 | 22.2 | 28,600 | 20.0 | 26,700 | 17.8 | 06149 |

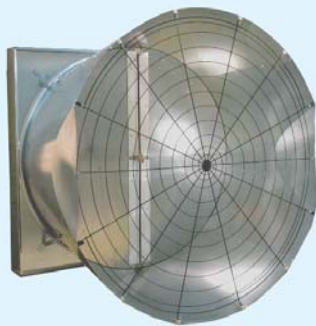
Performance Information: Fan complete with flat side discharge cone, guard and inlet shutter

| Catalog No. | Shutter Material | Motor HP | Prop RPM | Max BHP | 0.0" SP | | 0.05" SP | | 0.10" SP | | 0.15" SP | | BESS Lab Test No |
|-------------|------------------|----------|----------|---------|---------|----------|----------|----------|----------|----------|----------|----------|------------------|
| | | | | | CFM | CFM/Watt | CFM | CFM/Watt | CFM | CFM/Watt | CFM | CFM/Watt | |
| WF541TCP | Plastic | 1 | 515 | 1.40 | 29,100 | 26.0 | 27,400 | 23.3 | 25,500 | 20.6 | 23,400 | 18.0 | 06113 |
| WF541TCJ | Aluminum | 1 | 515 | 1.37 | 28,900 | 26.2 | 27,300 | 23.6 | 25,400 | 20.9 | 23,400 | 18.5 | 06115 |
| WF5415TCP* | Plastic | 1.5 | 555 | 1.73 | 31,500 | 23.3 | 29,700 | 21.1 | 27,800 | 18.8 | 25,900 | 16.7 | 06117 |
| WF5415TCJ* | Aluminum | 1.5 | 555 | 1.72 | 31,200 | 23.2 | 29,500 | 20.8 | 27,900 | 18.9 | 26,000 | 16.8 | 06116 |
| WF542TCP† | Plastic | 2 | 585 | 2.05 | 32,500 | 21.1 | 31,200 | 19.5 | 29,800 | 17.9 | 28,100 | 16.2 | 06118 |
| WF542TCJ* | Aluminum | 2 | 585 | 2.10 | 32,300 | 20.4 | 30,800 | 18.6 | 29,000 | 16.7 | 27,300 | 15.3 | 06019 |

WF with Dragonfly Damper Door

Performance Information: Fan complete with flat-sided discharge cone, Dragonfly Damper and guard

| Catalog No. | Prop Dia. | Motor HP | Max BHP | 0.0" SP | | 0.05" SP | | 0.10" SP | | 0.15" SP | | 0.20" SP | | Airflow Ratio | Bess Lab. Test No. |
|-------------|-----------|----------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------------|--------------------|
| | | | | CFM | CFM/Watt | CFM | CFM/Watt | CFM | CFM/Watt | CFM | CFM/Watt | CFM | CFM/Watt | | |
| WF501VCD | 50" | 1 | 1.29 | 27,000 | 25.2 | 25,200 | 22.7 | 23,200 | 20.4 | 21,000 | 17.9 | 18,800 | 15.7 | 0.75 | 07401 |
| WF5015VCD | 50" | 1.5 | 1.70 | 30,100 | 20.4 | 28,500 | 18.7 | 26,900 | 17.1 | 24,600 | 15.1 | 22,300 | 13.4 | 0.78 | 07188 |
| WF541VCD | 54" | 1 | 1.35 | 29,800 | 27.8 | 28,100 | 24.5 | 26,400 | 21.9 | 24,200 | 19.3 | 21,900 | 16.7 | 0.78 | 07394 |
| WF5415VCD† | 54" | 1.5 | 1.74 | 31,700 | 24.3 | 30,000 | 22.2 | 28,300 | 20.0 | 26,300 | 17.7 | 24,100 | 15.6 | 0.80 | 07396 |



- 4 door design for maximum performance
- Superior weather protection
- Flush mount interior guard
- Cast aluminum drive assembly with limited 7 year bearing warranty
- Automotive style belt tensioner
- Heavy duty galvanized steel propeller
- Galvanized steel fan housing
- Single or 3 phase high efficiency motor
- MONO-STRUT for strength and durability



* Performance values of these fans at 0.0" S.P. exceed the BESS Lab test capabilities and were calculated through regression analysis of CFM and CFM/Watt measurements for higher static pressures.

† Performance values of these fans at 0.05" S.P. exceed the BESS Lab test capabilities and were calculated through regression analysis of CFM and CFM/Watt measurements for higher static pressures.

Notes:

1. The ratings shown are based on tests and procedures performed at the BESS Lab, University of Illinois in accordance with ASHRAE Standard 51-1999.
2. BHP values were not measured at the BESS Lab. The BHP values shown were derived from actual Watt measurements using motor efficiency values supplied by the motor manufacturers.

WF Series Aerotech fan are developed and produced by Munters Corporation, Mason Michigan USA



Your closest distributor

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