

# WF50 & WF54

Galvanized Fan with Shutter



## High quality galvanized steel WF fan

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.

## PRODUCT INFORMATION

- 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



**Performance Information: Fan complete with round 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	
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

**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 <sup>†</sup>	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



\*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.