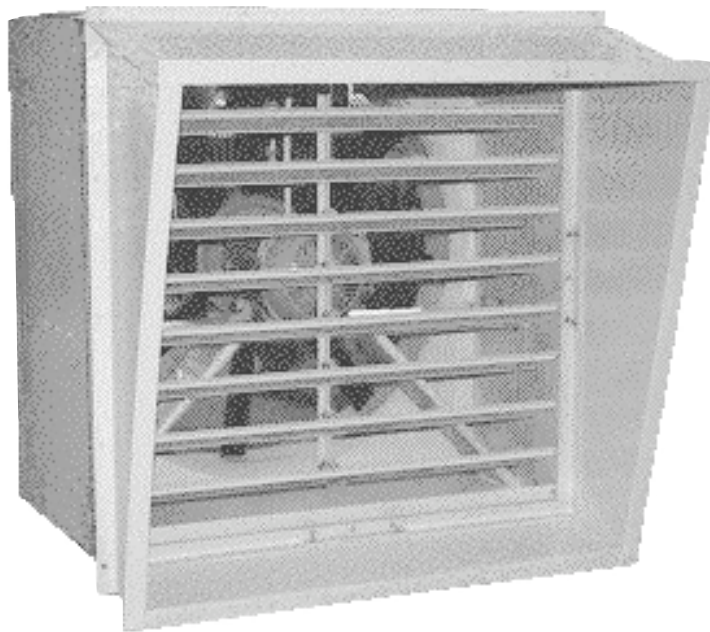




COMPOSITE FAN TECHNOLOGY

FRP *Wall Box Fan*

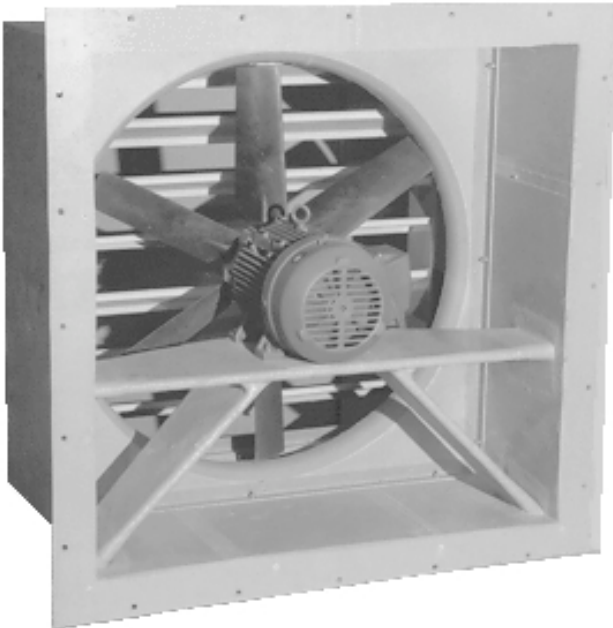


Corrosion Resistant • Rugged Construction

Fiberglass Wall Box Fan Features

Features

- **Sizes:** 12" - 60" direct drive.
- **Model Designations:** WBF-E - Exhaust, WBF-S - Supply, WBF-ED - Exhaust with damper, WBF-SD - Supply with damper.
- **Construction:** Fiberglass, Hetron 99P® polyester resin, Class 1 flame spread of 25 or less with UV inhibitor. Standard gray color.
- **Wall Box:** FRP construction. The wall box design includes in-facing flanges allowing for easy attachment of accessories and shipped completely assembled.
- **Venturi:** Fiberglass venturi orifice is molded into the wall box design increasing airflow efficiency.
- **Face Flange:** 1-1/2" fiberglass flange.
- **Fan Propeller:** Highly efficient, air foil and helical shaped fiberglass blades attached to a fiberglass hub. Bushing protected by a removable cap for easy maintenance.
- **Motor Mount:** Heavy duty FRP construction.
- **Motor:** Customer specified to suit requirements.
- **Hardware:** 304 stainless steel.
- **Capacities:** Up to 50,000 CFM.
- **Pressures:** Up to 1-1/2" WG.

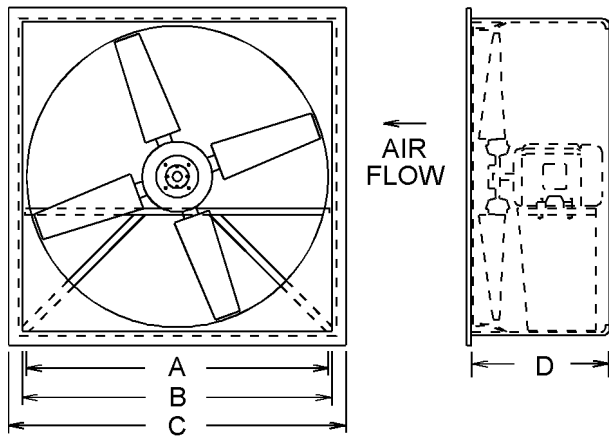


Accessories

- **Special Materials:** Special resins, graphite impregnation and synthetic veil are available to suit specific applications.
- **Hardware:** 316 stainless steel or monel.
- **Disconnect Switch:** Non-fused, mounted to the exterior of the fan in a NEMA 3R enclosure. Can be factory pre-wired to motor.
- **Screen:** 1/2" polyethylene mesh mounted in a PVC frame to front or rear of unit.
- **Dampers:** FRP construction, automatic or motor actuated. Blades rotate in fiberglass reinforced polypropylene bearings.
- **Rain Hood:** Fiberglass construction, for supply arrangements.

Fiberglass Wall Box Fan Dimensions

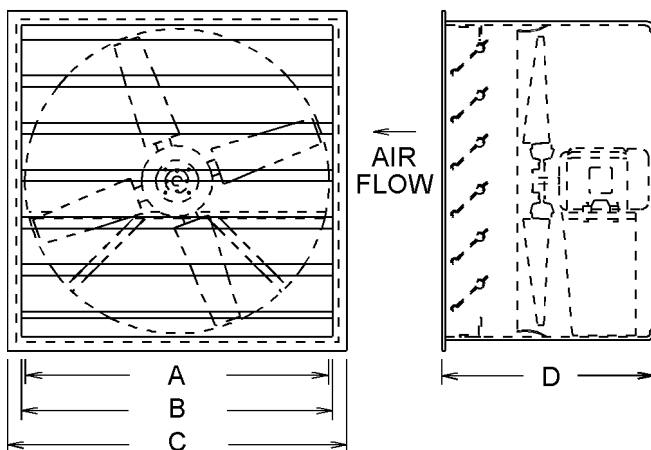
EXHAUST FAN



Exhaust Fan				
Prop Dia. A	B	C	D*	Wall Thickness
12"	18	21	14	1/4
16"	22	25	14	1/4
20"	26	29	14	1/4
24"	30	34	14	1/4
30"	36	40	16	1/4
36"	43	47	16	1/4
42"	49	53	16	1/4
48"	55	59	20	5/16
54"	62	66	24	5/16
60"	68	72	24	5/16

*Dimension may vary with horsepower.

EXHAUST FAN WITH DAMPERS



Exhaust Fan With Dampers				
Prop Dia. A	B	C	D*	Wall Thickness
12"	18	21	26	1/4
16"	22	25	26	1/4
20"	26	29	28	1/4
24"	30	34	28	1/4
30"	36	40	31	1/4
36"	43	47	36	1/4
42"	49	53	42	1/4
48"	55	59	44	5/16
54"	62	66	45	5/16
60"	68	72	46	5/16

*Dimension may vary with horsepower.

Specifications

Furnish _____ each, size _____, Model WBF(E, S, ED, SD) purchased from Composite Fan Technology.

Unit shall be constructed of Hetron 99P® polyester resin with a Class 1 flamespread of 25 or less.

The fiberglass wall box housing shall have a minimum thickness of (1/4" for sizes 12" to 42" and 5/16" for sizes 48" to 60"). The fiberglass encapsulated motor mount shall be integrally molded to the wall box. The fiberglass venturi shall be arranged for either exhaust or supply operation.

Fan propeller is to be directly mounted to the motor shaft and rotate inside the venturi. Fiberglass blades shall

have an air foil and helical design and attached to a fiberglass hub.

The fan shall have a capacity of _____ CFM at _____ inch(es) static pressure standard air and equipped with a _____ HP, _____ RPM, and suitable for _____ volt, _____ phase, _____ cycle operation.

All hardware shall be (304SS, 316SS, monel).

Available accessories include: disconnect switch mounted and wired, carbon impregnation with static grounding, surfacing veil, 1/2" polyethylene mesh screen mounted in a removable PVC frame, fiberglass damper (automatic backdraft or _____ motor actuated), and fiberglass rain hood for supply arrangements.

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