



COMPOSITE FAN TECHNOLOGY

FRP *Corro-Vent* *Centrifugal*



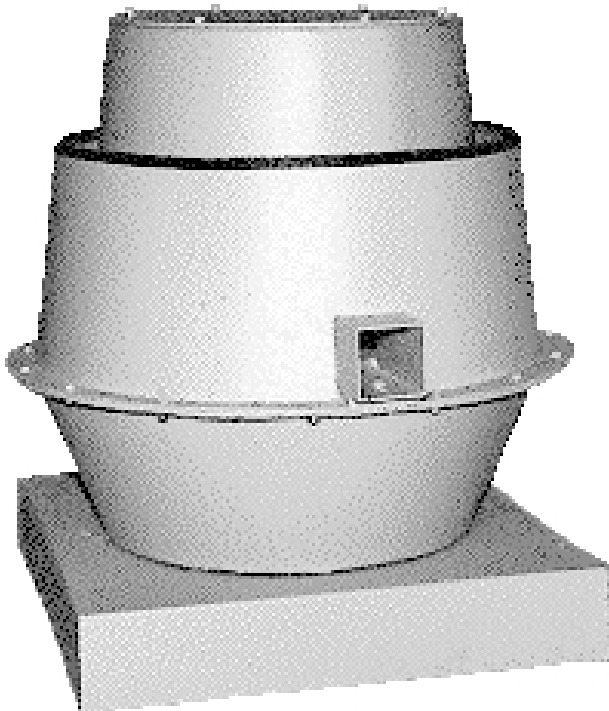
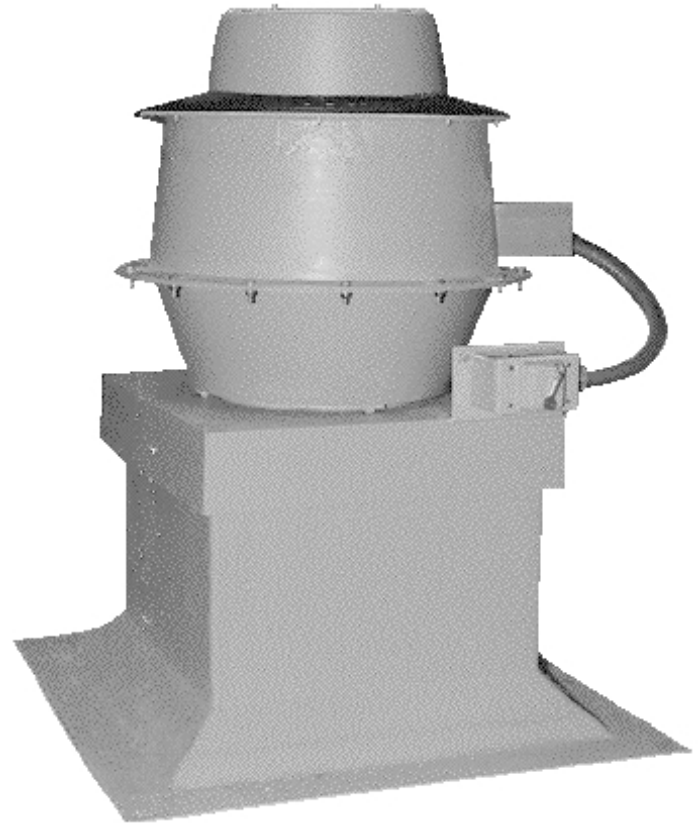
Corrosion Resistant • Rugged Construction

Corro-Vent Centrifugal Features

The Composite Fan Technology Corro-Vent Centrifugal is designed for continuous operation in corrosive industrial or commercial applications. The motor is completely isolated from the airstream in a fiberglass compartment. Contaminated air is discharged at a high rate of speed away from the building. Ideal for waste water treatment facilities, pulp and paper mills, laboratory hood exhaust and chemical process plants.

Features

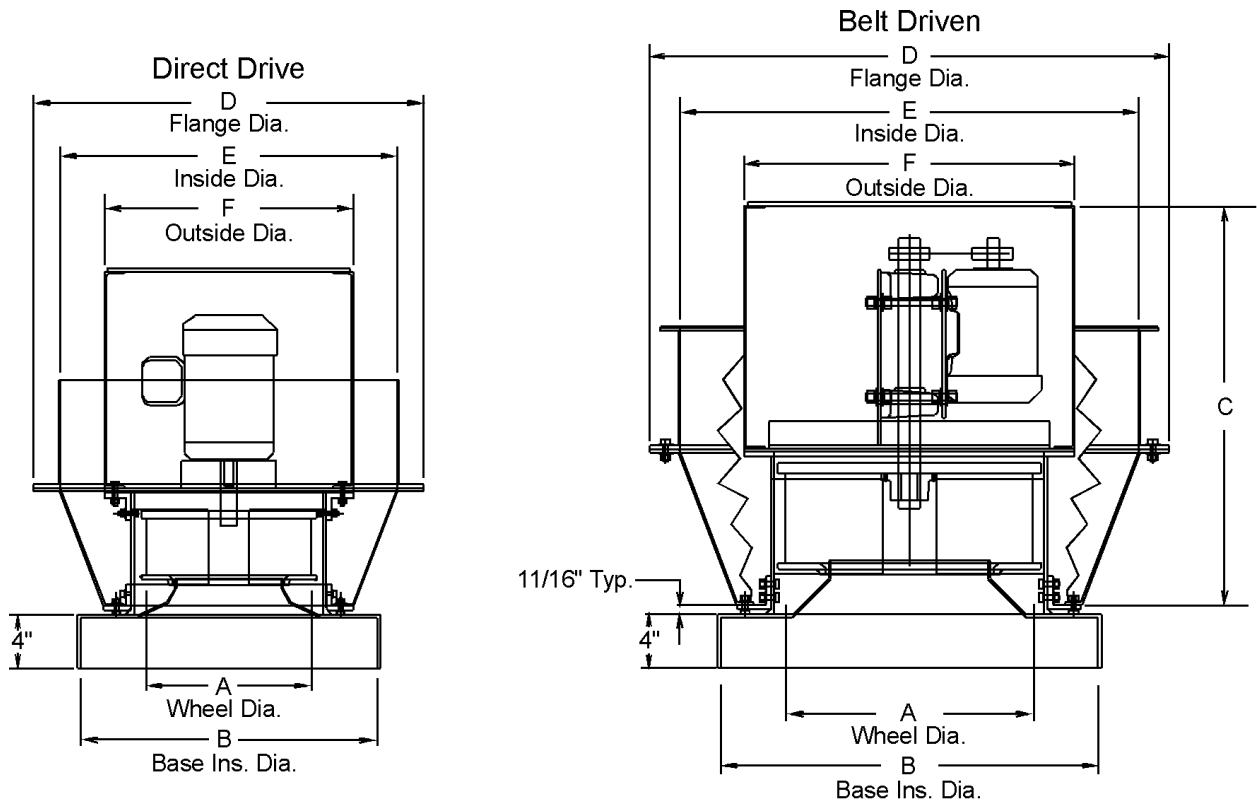
- **Sizes:** 10" - 12" direct drive, 12" - 36" belt driven.
- **Material:** Fiberglass, Hetron 99P® polyester resin, Class 1 flame spread of 25. Standard gray color.
- **Wheel:** Backward inclined non-overloading design. Fiberglass, Hetron FR992® vinyl ester resin, Class 1 flame spread of 25. Metal hub insert is fiberglass encapsulated. Taperlock bushing protected by a fiberglass cap. Final resin rich coat is applied for increased corrosion resistance.
- **Motor Cover:** Fiberglass construction, easily removable for maintenance.
- **Motor Base:** FRP construction, adjustable for belt tensioning.
- **Hardware:** 304 stainless steel.
- **Capacities:** Up to 30,000 CFM.
- **Pressures:** Up to 2" WG.



Accessories

- **Special Materials:** Special resins, graphite impregnation with static grounding lugs and synthetic veil are available to suit specific applications.
- **Base:** Curb mounting available.
- **Damper:** FRP automatic backdraft or motor operated damper. Mounted on a curb damper tray or in a curb base extension.
- **Screen:** 1/2" polyethylene mesh.
- **Disconnect:** NEMA 3r mounted on unit exterior and/or inside motor compartment. Can be factory pre-wired.
- **Hardware:** 316 stainless steel.

Corro-Vent Centrifugal Dimensions



Size	A	B	C	D	E	F
10"	10-3/16	20	21-15/16	27-3/16	23-5/16	16-1/2
12"	12-1/4	22	25	29	25	18-1/2
15"	15-5/16	25	28-5/8	32-3/4	28-3/4	22
18"	18-3/8	28	29-13/16	38-1/2	34	24-1/2
22"	22-7/16	32	33-13/16	45-3/4	41-1/4	29-1/2
24"	24-1/2	34	37-5/16	50	45	31-1/2
30"	30-5/8	42	43-7/8	61	56	38
36"	36-3/4	52	47-7/8	69-13/16	65-5/16	45

*Sizes 10" & 12" are direct drive units.

Dimensions may vary with motor horsepower.

Specifications

Direct Drive Corro-Vent Centrifugal Fan

Furnish _____ each, size _____, Model CVC purchased from Composite Fan Technology.

Housing shall be constructed of Hetron 99P® polyester resin with a Class 1 flamespread of 25 or less incorporating UV inhibitor. Housing shall be a minimum 1/4" thickness.

Fan wheel shall be constructed of fiberglass using Hetron 992 FR® vinyl ester resin and attached to shaft by a taperlock bushing. The bushing shall be protected by a fiberglass cover. Fan shaft shall be of 304 stainless steel with a neoprene shaft seal.

The fan shall have a capacity of _____ CFM at _____ inch(es) static pressure standard air and

equipped with a _____ HP, _____ RPM, motor. It shall be suitable for _____ volt, _____ phase, _____ cycle operation. Motor shall be protected by a fiberglass motor cover.

All hardware shall be 304SS.

A disconnect switch shall be provided mounted in the motor compartment and factory pre-wired to the motor.

Available accessories include: graphite impregnation with static grounding, synthetic veil, FRP curb mounting, fiberglass dampers shall be (auto backdraft, 115v motor actuated), 1/2" polyethylene mesh birdscreen, NEMA 3r disconnect switch mounted on exterior of unit, 316SS hardware.

Belt Drive Corro-Vent Centrifugal Fan

Furnish _____ each, size _____, Model CVC purchased from Composite Fan Technology.

Housing shall be constructed of Hetron 99P® polyester resin with a Class 1 flamespread of 25 or less incorporating UV inhibitor. Housing shall be a minimum 1/4" thickness.

Fan wheel shall be constructed of fiberglass using Hetron 992 FR® vinyl ester resin and attached to shaft by a taperlock bushing. The bushing shall be protected by a fiberglass cover. Fan shaft shall be of 304 stainless steel with a neoprene shaft seal.

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

operation. The bearings shall be self-aligning pillow block type. Unit shall be equipped with an adjustable v-belt drive selected with a 1.5 service factor. Motor base plate shall be fiberglass and adjustable for belt tensioning. Motor and drive shall be protected by a fiberglass motor cover.

All hardware shall be 304SS.

A disconnect switch shall be provided mounted in the motor compartment and factory pre-wired to the motor.

Available accessories include: graphite impregnation with static grounding, synthetic veil, FRP curb mounting, fiberglass dampers shall be (auto backdraft, _____ motor actuated), 1/2" polyethylene mesh birdscreen, NEMA 3r disconnect switch mounted on exterior of unit, 316SS hardware.

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REPRESENTATIVE

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