

Explosion-Proof Fans

with direct drive rotary air motors



For applications where electric current is unavailable or undesirable, where lightweight, portable equipment is essential, and where compressed air capacity exists.

If your application fits in here, you'll find our new series of air-powered, explosion-proof axial fans ideal. They offer many significant advantages for use in explosive and caustic environments on the job site, and meet OSHA requirements for such uses.

Other outstanding advantages of Strobic Air explosion-proof fans:

- ❶ **ROTARY AIR POWERED MOTORS** that are corrosion-, burn out-, and stall-proof
- ❶ **POWER SOURCE** connected instantly without the services of an electrician
- ❶ **NON-SPARKING ALUMINUM BLADES** can't ignite volatile atmospheres.
- ❶ **VARIABLE SPEED, DIRECT DRIVE DESIGN** that eliminates belts or pulleys, adds simplicity to end maintenance headaches.
- ❶ **LIGHT WEIGHT AND PORTABILITY**— take these fans anywhere you need them, from job to job.
- ❶ **PROTECTIVE COATINGS** are available to make fans impervious to caustics, moisture
- ❶ **SIZES** from 12" to 42" offered.

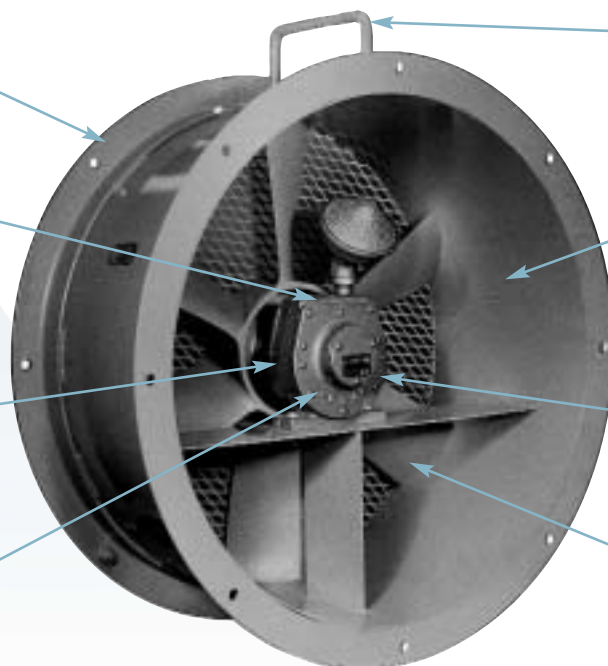
Special features of Strobic Air explosion-proof fans:

Flanged housings permit quick fastening to flexible duct or other accessories

Air power eliminates expensive electrician, explosion-proof magnetic starters, and heavy hardwall conduit lines. Reduces set up and installation time to a snap

Turbo vane air motors operate in any mounting position, cannot be overloaded. Speeds are infinitely variable and reversible

Direct drive ends maintenance problems



Strong handles facilitate handling or hoisting fans to tank or stack exhausts

Lightweight construction—about 70% lighter than comparable-capacity belt driven fans with bulky electric powered, explosion-proof motors

Streamlined air motors help keep fan housings to 12"-15" maximum depth for low silhouettes

Cast aluminum axial flow impellers can't spark, use improved airfoil sections for maximum air handling efficiency

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Typical Applications of New Air Motor, Explosion-Proof Fans

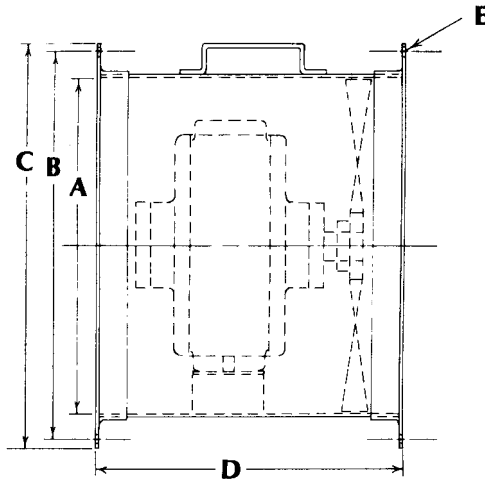
Exhausting volatile chemical vapors and paints in a plant or a remote construction site

Sandblast Ventilation where lightweight, portable equipment is required

Removing particulate solids in food and quarry product processing, etc.

Marine uses both shipboard and dockside, where standard electric current may not be available

Typical Dimensions



SIZE (in.)	DIMENSIONS (in.)					SHIPPING WT (lbs.)
	A	B	C	D	E	
12	12.50	14.06	15.19	12	8.31	45
16	16.50	18.06	19.19	12	8.31	60
20	20.50	22.31	23.69	12	8.44	75
24	24.50	26.31	27.75	12	8.44	95
27	27.50	29.31	30.75	12	8.44	130
30	30.50	32.31	33.75	15	12.44	150
36	36.75	39.00	40.50	15	12.44	200
42	42.75	45.00	46.50	15	12.44	245

General Specifications

FAN COMPONENTS (VARIABLES)	RANGE AVAILABLE
Horsepower Rating	3/4 to 9
Motor Speeds	400 to 2000 RPM
Fan Sizes	12" to 42" diameter
Air Moving Capacities	Up to 38,000 SCFM at free air (See Catalog #672)
Air Line Requirements	12 to 350 SCFM under 20-80 pounds pressure (See attached air motor capacity tables)

Strobic Air has an explosion-proof fan to meet your requirements

In addition to this line of explosion-proof fans that are available off-the-shelf for immediate delivery, Strobic offers many custom capabilities to meet unusual application requirements. We invite your inquiry for prompt attention.

For more information or applications assistance on our new air motor, explosion-proof fans, contact us today.



FANS, SILENCERS AND SYSTEMS

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Represented by: