

# AX - EXPLOSION PROOF SHUTTER MOUNTED FANS

Designed for Industrial, Commercial & Farming applications.



BACK VIEW



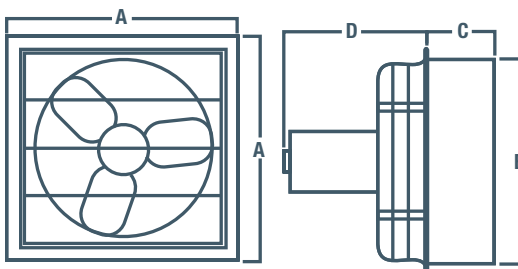
## FEATURES

- Sturdily constructed from all-aluminum extrusions.
- 12" - 24" models have heavy wire chrome plated OSHA guards on intake side of fan.
- Totally enclosed, ball bearing motor with thermal overload protection.
- Ships fully assembled.

## DIMENSIONS

| MODEL  | A       | B       | C  | D       |
|--------|---------|---------|----|---------|
| AX12-4 | 16 3/4" | 13 3/4" | 5" | 13 3/4" |
| AX14-4 | 18 3/4" | 15 3/4" | 5" | 13 3/4" |
| AX16-4 | 20 3/4" | 17 3/4" | 5" | 13 3/4" |
| AX18-4 | 22 3/4" | 19 3/4" | 5" | 14"     |
| AX20-4 | 24 3/4" | 21 3/4" | 5" | 14"     |
| AX24-4 | 28 3/4" | 25 3/4" | 5" | 13 3/4" |

Explosion Proof Motor, 50 Hz or 3 phase



The AX series exhaust fan is a sturdily constructed, direct drive, horizontal discharge fan that is typically use for general ventilation of factories, garages, warehouses and other industrial or commercial buildings. The AX Explosion Proof Fans have a single speed, dual voltage explosion proof motor that meets and conforms to all the standards that are listed below.

The AX series housings are constructed of heavy duty aluminum with built in shutters that automatically open when the fan starts and gravity closes when the fan stops.

**CLASS I, GROUP C** Atmospheres containing ethyl ether, ethylene, gases or vapors of equivalent hazard.

**CLASS I, GROUP D** Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, natural gas, naphtha, propane, or gasses or vapors of equivalent hazard.

**CLASS II GROUP F** Atmospheres containing carbonaceous dust, including carbon black, charcoal, coal, or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard.

**CLASS II GROUP G** Atmospheres containing combustible dusts not included in group E or F, including flour, grain, wood, plastic and chemicals.

## SPECIFICATIONS

| SINGLE PHASE   | THREE PHASE | BLADE DIAMETER | RPM  | HP (SINGLE PHASE) | VOLTAGE (SINGLE PHASE) | AMPS (FLA) (SINGLE PHASE) | WEIGHT (LBS) | dB(A) @5 ft | CFM @ STATIC PRESSURE |       |        |       | FRAMING DIMENSIONS |  |
|--|-------------|----------------|------|-------------------|------------------------|---------------------------|--------------|-------------|-----------------------|-------|--------|-------|--------------------|--|
|  |             |                |      |                   |                        |                           |              |             | 0.00"                 | 0.10" | 0.125" | 0.25" |                    |  |
| SINGLE SPEED EXPLOSION PROOF FANS<br>(Explosion Proof Motors are DIVISION 1 - CLASS 1 - GROUP C & D and CLASS 2 - GROUP F & G) |             |                |      |                   |                        |                           |              |             |                       |       |        |       |                    |  |
| AX12-4**   | AX12-4*     | 12"            | 1725 | 1/3               | 115/208-230            | 6.6/3.1-3.3               | 49           | 63          | 1670                  | 1600  | 1575   | 1450  | 14" X 14"          |  |
| AX14-4**   | AX14-4*     | 14"            | 1725 | 1/3               | 115/208-230            | 6.6/3.1-3.3               | 49           | 67          | 2190                  | 2080  | 2000   | 1950  | 16" X 16"          |  |
| AX16-4**   | AX16-4*     | 16"            | 1725 | 1/3               | 115/208-230            | 6.6/3.1-3.3               | 51           | 68          | 2580                  | 2480  | 2430   | 2270  | 18" X 18"          |  |
| AX18-4**   | AX18-4*     | 18"            | 1725 | 1/3               | 115/208-230            | 6.6/3.1-3.3               | 56           | 73          | 3200                  | 3050  | 2950   | 2625  | 20" X 20"          |  |
| AX20-4**   | AX20-4*     | 20"            | 1725 | 1/3               | 115/208-230            | 6.6/3.1-3.3               | 57           | 77          | 3640                  | 3440  | 3360   | 3140  | 22" X 22"          |  |
| AX24-4**   | AX24-4*     | 24"            | 1725 | 1/3               | 115/208-230            | 6.6/3.1-3.3               | 57           | 77          | 5520                  | 5410  | 5330   | 5130  | 26" X 26"          |  |

For three phase motors, substitute "\*\*" with "M" for 230/460 volt or "P" for 575 volt  
Other voltages in single or three phase are available. 50HZ voltages are available. Consult factory.  
\*\* Only these motors are cETLus approved.

## ACCESSORIES

- Thermostats
- Front guard
- Weather hoods

For a complete listing of accessories, see page C15 in Wall Mount Ventilation section.  
For a complete listing of hoods, see page C11 in Wall Mount Ventilation section.  
For all available control options, see Controls & Thermostats section.

FRONT VIEW

