

# Turbo XE Fans ... for superior performance and reliability



## SPECIFICATIONS:

**Dimensions:** Diameter 21 inches / 53.5 cm  
Width 17.5 inches / 44.5 cm  
Height 25 inches / 63.5 cm

**Approximate Weight:** 44 lbs / 19.9 kg

**Propulsion Distance:** 30 - 35 feet / 10-11 m

**Noise @ 10 ft. distance:** 1/2 Hp units, 72 dB(A)  
1/3 Hp units, 70 dB(A)

**Operation:** Continuous duty capability



## Standard Features:

- Supplied with Choice of Visual Flowmeter
- Adjustable Fog Output with Particles Averaging 35 Microns
- Nozzle-free Centrifugal Atomization
- Indoor/Outdoor 300 Series Stainless
- ABB Wash-Down-Duty™ grade Motors



**Made in U.S.A.**

# Turbo XE Series

## Turbo XE Fan

### - Industrial Fogging Fan

Turbo XE fogging fans are superior atomizers designed for a variety of commercial and industrial applications (See PDF on Common Setups). To determine the quantity of units, horse power and flowmeter size(s) needed for your specific application, refer to the Coverage & Sizing menu.

Turbo XEs produce billions of tiny, fog-like particles combined with powerful air-flow. The Turbo XE misting system utilizes centrifugal force atomization to achieve reliable operation without nozzles, high pressure pumps, compressed air or filtration. This method usually results in significant energy savings over other processes under equal conditions.

These fog fans may be operated manually or automated, running air only or fogging fluid. The fogging output is adjustable and controlled by a flowmeter (see features below). Flowmeters require a water supply of 10 to 100 PSI. Units can also be fed using a metering pump or gravity feed system.



- Nozzle free atomization
- Up to 32 GPH
- Direct feed with Flowmeter
- Powerful and efficient

	Product Number	Motor	Electrical Rating	Max. Fog	CFM
Domestic Voltage Power Supplies	<b>XE-2000</b>	1/2 HP	115/230V 60Hz 1Ph	32 GPH	3,000
	<b>XE-2000-3ph</b>	1/2 HP	208-230/460V 60Hz 3Ph	32 GPH	3,000
Equipped w/ [Explosion-Proof] Motor	<b>XE-2000-Exp</b>	1/2 HP	115/230V 60Hz 1Ph	32 GPH	3,260
Foreign Power Supplies	<b>XE-2000-50Hz</b>	1/3 HP	220-250V 50Hz 1Ph	26 GPH	3,180

#### Turbo XE "Explosion-Proof":

Fans are special equipped stand-alone units designed for operation in explosive-prone areas. These applications often contain volatile dust or vapors and are generally regarded as "Hazardous Locations". (see UL and CSA approvals\*)

\* Baldor® Explosion-Proof motors are UL and CSA approved for the following hazardous locations:  
 Class 1, Group D locations containing volatile gases such as Gasoline, Hexane, Naphtha, Benzine, Propane, Alcohol, etc.  
 Class 2, Group F & G locations containing dust such as (F) Carbon Black, Coal or Coke Dust or (G) Flour, Starch, or Grain Dusts.



### Flowmeter Panel Selection Guide

P.N.	Suffix	Volume Range	Application Guidelines	Possible mist fall out
F-32	(34)	4-34 GPH Flowmeter	Requiring near maximum fogging outputs.....	Light..... 2 - 6%
F-25	(24)	2-24 GPH Flowmeter	Requiring high fogging outputs.....	Light..... 1 - 4%
F-15	(15)	1-15 GPH Flowmeter	Requiring medium fogging outputs.....	V.Light..... 1 - 3%
F-10	(11)	1-11 GPH Flowmeter	Requiring a dry misty/fog.....	Dry..... 0 - 2%
F-5	(5)	20-300 cc/min Flowmeter	Requiring a foggy/vapor.....	V.Dry..... 0 - 1%

# Turbo XE Accessories & Control Packages



## XE 360 Oscillator

### - Increase Coverage & Circulation

The sweeping action of a Turbo XE Fan not only alleviates droplet collisions and fallout, but also enhances air circulation. The dwell-free movement provides for uniform coverage patterns up to 70 feet in diameter. The steady, continuous movement allows the operator to fog at higher output levels over a stationary unit operating under equal conditions. Resulting in less fall-out and improved dryness underneath fog pattern.

- Adj. sweeps from 15 - 360°
- 304 Stainless Steel Design

**Product Number**

- XE-360** 115V 60/50Hz
- XE-361** 220-250V 60/50Hz

## Traveling Floor Stand



- Fully adjustable boom
- 10" molded wheels

If securing Turbo XE Fans overhead is not practical, this floor stand allows for an affordable solution. Capable of stationary or oscillating set-ups. Stands are constructed of heavy-wall pipe and treated lumber.

**Product Number**  
**XE-100**



## Wall Mount

-Easily install your Turbo XE Fan using one of these heavy duty supports

The Wall Mount Support provides adjustable height along its 30" vertical length. The cross-support extends 21", accommodating for 360° sweep rotation.

Supplied with Lag bolts and masonry anchors

**Product Number** **XE-W**



## Ceiling Support

Support is 36" long and comes supplied with lag bolts.

**Product Number** **XE-C**



## Pocket Thermohygrometer

This precision hand-held thermo/hygrometer is ideal for monitoring Humidity and Temperature levels.

- Displays in °C or °F

**Product Number** 20 - 95% RH **CP-205**



## Digital Humidistat Control - DF

### - Complete environmental control

A precision controller suitable for many applications. Control is very fast acting, displays humidity levels and has a programmable differential range.

- Fast Acting Range 5-99% RH
- Over-Humidity and Sensor Fault Alarm
- Operates One XE Unit 1800W (15A @ 115V)

**Product Number** **DH-120-DF** 115V 60Hz



## 24-Hour Timer Control

### - Excellent, controlling long operation cycles

Often the choice for applications when humidity is desired above 80%. Using extended cycle operation, the operator can attempt to control humidity levels utilizing manual control of the flowmeter panel.

Time cycles as short as 1 hour. Two sets of on/off trippers provided.

- Capable of operating up to two 1 HP units

**Product Number**  
**TC-120** 115V 60Hz  
**TC-240** 230V 60Hz  
**TC-250** 230V 50Hz  
**PT-1** Trippers/1 pair

## Digital Humidistat 2 Unit Control - DF

A precision controller suitable for many applications. Control is very fast acting, displays humidity levels and has a programmable differential range.

- Fast Acting Range 5-99% RH
- Over-Humidity & Sensor Fault Alarm
- 3500W (30A @ 115V)



- Capable of operating up to two 1 HP units

**Product Number**  
**DH2-36-DF** 115V 60Hz  
**DH2-36HV-DF** 200-250V 60/50Hz  
**DH2-3ph-DF** 208-230V 60Hz 3Ph



## Humidistat Control

### - Complete environmental control

If your humidity requirement is 80% or less, the Humidistat Control is the best choice for control of your environment. When the humidity level drops to about 6% below the set point, the humidistat will activate the Turbo XE Fan to replenish the loss of humidity. If ventilation occurs, humidity can be restored with evaporative cooling.

- Capable of operating up to two 1 HP units

**Product Number**  
**H2-120** 115V 60/50Hz  
**H2-240** 230V 60/50Hz  
**H2-240-3ph** 208-230V 60Hz 3Ph

## MANUFACTURER'S ONE YEAR LIMITED WARRANTY

Aquafog and accessories are warranted to the original purchaser against defects in material and workmanship under normal use for one full year from date of purchase. Any part determined to be defective and returned to the manufacturer, shipping cost prepaid, will be repaired or replaced at Jaybird Manufacturing, Inc.'s option without charge. Proof of purchase date and an explanation of the problem or complaint must accompany the returned portion of the machine.

Jaybird Manufacturing, Inc. reserves the right to verify the legitimacy of claimed defects. The provisions of this warranty do not apply to damage resulting from direct or indirect misuse, negligence, accident, lack of maintenance, or unauthorized repairs or alterations which affect the machine's performance or reliability.

**LIMITATIONS OF LIABILITY. TO THE EXTENT ALLOWABLE UNDER APPLICABLE LAW, JAYBIRD MANUFACTURING, INC.'S LIABILITY FOR DEATH, INJURIES TO PERSONS OR PROPERTY, OR FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM THE USE OF OUR EQUIPMENT IS EXPRESSLY DISCLAIMED. JAYBIRD MANUFACTURING, INC.'S LIABILITY IN ALL EVENTS IS LIMITED TO, AND SHALL NOT EXCEED, THE PURCHASE PRICE PAID. NO OTHER WARRANTY, EXPRESSED OR IMPLIED, IS AUTHORIZED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

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