

# POWERFOIL X3.0 WASHDOWN

The best choice for hygienic applications, the hermetically sealed Washdown motor uses food-grade lubrication and coating to ensure your facility stays clean and your fan runs smoothly for years.



## KEY FEATURES

- ▶ **Eight anodized airfoils** with winglets and safety restraints
- ▶ **Corrosion-resistant** stainless steel hardware and aluminum components
- ▶ **Remotely mounted VFD** quickly dissipates heat and eliminates RFI and EMI noise
- ▶ **Wide operating temperature range** for of -30 to 122 °F (-34 to 50 °C)
- ▶ **IP56 rating** for protection against dust and powerful water jets
- ▶ **Standard IP55-rated digital wall controller**

### DIAMETER

**12-18 FEET**  
(3.7-5.5 METERS)

### MOTOR

**NITROSEAL  
DRIVE SYSTEM**

### MOUNTING

**I-BEAMS, BAR JOISTS,  
SOLID BEAMS, AND PURLINS**

### WARRANTY

**3 YEARS**  
MECHANICAL

**3 YEARS**  
ELECTRICAL



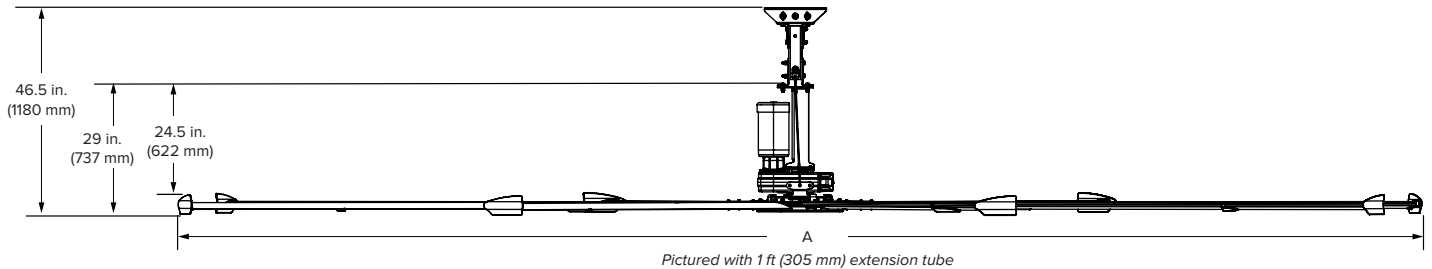
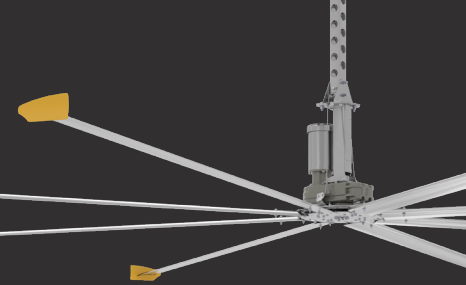
## DISCOVER MORE ABOUT POWERFOIL X3.0 WASHDOWN

Learn more at [bigassfans.com/powerfoil-x30](https://bigassfans.com/powerfoil-x30)  
or call **877.BIG.FANS** for a free custom quote.

# POWERFOIL<sup>®</sup> X3.0

## WASHDOWN

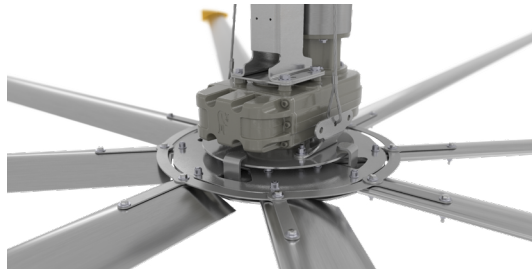
THE WORLD'S BEST FAN, BUILT TO FOOD-INDUSTRY STANDARDS



Technical Specifications					
Diameter (A)	Weight <sup>1</sup>	Max Speed	Input Power and Required Breaker	Airfoil Clearances <sup>2</sup>	Max Operating Temperature
12 ft (3.6 m)	245 lb (111 kg)	139 RPM	200–240 VAC, 50/60 Hz, 1 Φ, 30 A 200–240 VAC, 50/60 Hz, 3 Φ, 20 A 400–480 VAC, 50/60 Hz, 3 Φ, 10 A	2 ft (0.6 m) on sides 5 ft (1.5 m) below ceiling	122°F (50°C)
14 ft (4.3 m)	254 lb (115 kg)	118 RPM			
16 ft (4.9 m)	264 lb (120 kg)	99 RPM			
18 ft (5.5 m)	281 lb (127 kg)	88 RPM			

Construction Features					
Airfoils	Motor and Gearbox	Extension Tube	Mounting	Hardware	Multi-Point Safety <sup>3</sup>
Eight patented Powerfoil airfoils (mill finish) Powerfoil winglets eliminate wind noise	IP56 motor NitroSeal Drive gearbox (STÖBER) <sup>4</sup> filled with food-grade oil to withstand frequent and intense cleaning Food-duty epoxy coating on gearbox	Dainage holes prevent pooling and stagnant water	Standard upper mount installs to I-beams and bar joists Optional kits allow for mounting to solid beams and purlins	Stainless steel hardware	Double safety cable system, airfoil retainers, hub safety clips, fire relay, and guy wires

Controls	
VFD	Standard Controller
Wall-mounted variable frequency drive housed in standard NEMA enclosure Must be mounted in non-hazardous location Integrations: Building automation systems, fire suppression systems	Made from durable UV-resistant materials with intuitive touchscreen interface and powered by fan drive Rated IP55 On/Off and variable speed control Password protection



<sup>1</sup> Weight does not include mount or extension tube.  
<sup>2</sup> Measure the distance from the tip of the winglet to the ceiling or major obstruction.  
<sup>3</sup> Airfoil restraint system comes standard on 20–24 ft (6–7.3 m) fans and is optional for smaller diameter fans. The fire relay must be wired during install if required by local code. Guy wires are included with for fans with extension tubes 4 ft (1.2 m) or longer.  
<sup>4</sup> Yellow applied to the end of a fan blade or to the surface of the motor housing.  
 Lead times may vary. See full warranty for coverage information.



USA BIGASSFANS.COM 877-244-3267	CANADA BIGASSFANS.COM 844-924-4277	AUSTRALIA BIGASSFANS.COM/AU 1300 244 277	SINGAPORE BIGASSFANS.COM/SG 65 6709 8500	MALAYSIA BIGASSFANS.COM/SG 603 5565 0888
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