










# PX-SERIES CENTRIFUGAL BLOWERS

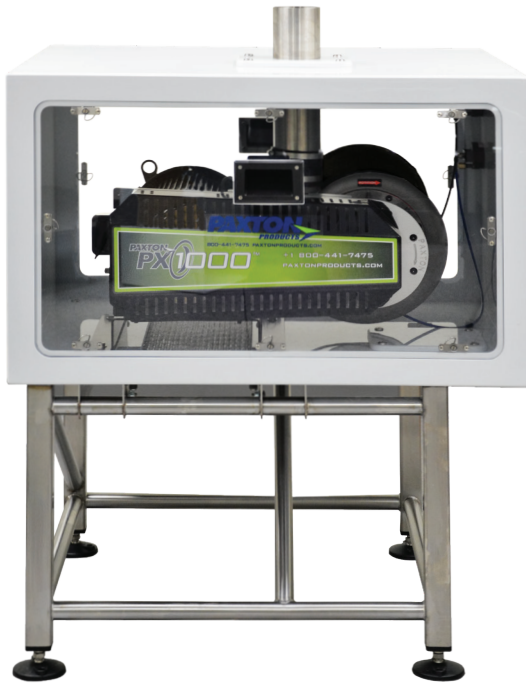
## More Air Power using Less Horsepower

The PX-series aerodynamic design increases efficiency, meaning air power increases without increasing horsepower.

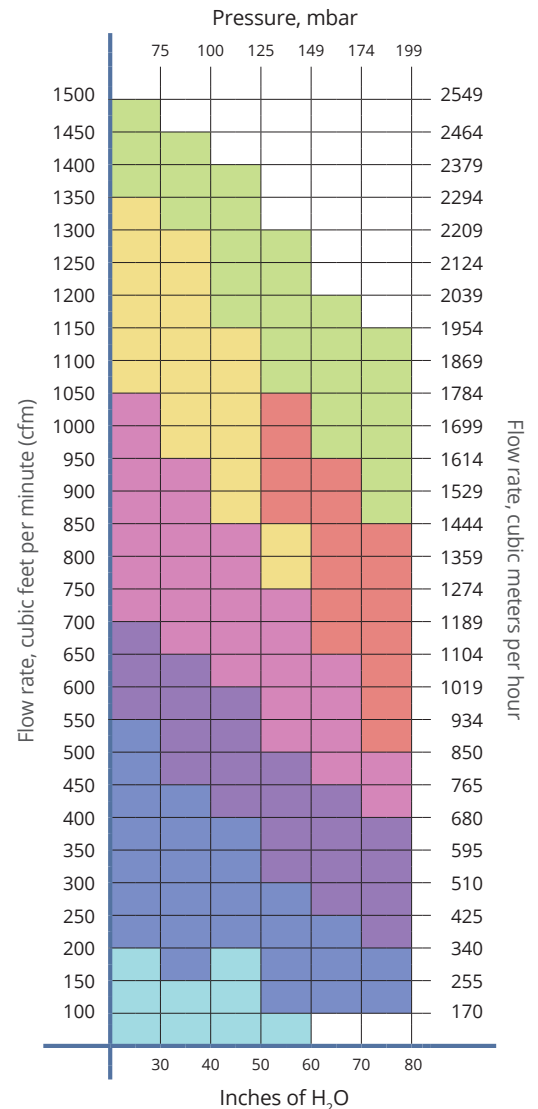
Paxton Centrifugal Blowers offer ultra-high efficiency solutions for process air, drying, vacuum and air rinsing applications. Paxton's new PX-series blowers provide a step-change in blower efficiency, with the PX-series blowers as much as 30% more efficient than the previous generation blower. The PX-series blowers are available in sizes from 3 hp to 20 hp, with air flows from 100 cfm to 1500 cfm.



BLOWER	MAX INPUT POWER		MAX EFFICIENCY	MAX OUTPUT	MAX FLUID POWER	WEIGHT	
 <b>PX-300</b>	3 Hp	2.2 kW	65%	200 CFM @ 56" H <sub>2</sub> O 340 m <sup>3</sup> /hr @ 139 mbar	200 CFM @ 56" H <sub>2</sub> O 340 m <sup>3</sup> /hr @ 139 mbar	140 lbs	64 kg
 <b>PX-500</b>	5 Hp	3.7 kW	66%	550 CFM @ 36" H <sub>2</sub> O 934 m <sup>3</sup> /hr @ 90 mbar	400 CFM @ 44" H <sub>2</sub> O 6800 m <sup>3</sup> /hr @ 109 mbar	160 lbs	73 kg
 <b>PX-750</b>	7.5 Hp	5.6 kW	72%	700 CFM @ 30" H <sub>2</sub> O 1189 m <sup>3</sup> /hr @ 75 mbar	500 CFM @ 57" H <sub>2</sub> O 850 m <sup>3</sup> /hr @ 142 mbar	190 lbs	86 kg
 <b>PX-1000</b>	10 Hp	7.5 kW	80%	1050 CFM @ 33" H <sub>2</sub> O 1784 m <sup>3</sup> /hr @ 82 mbar	600 CFM @ 73" H <sub>2</sub> O 1020 m <sup>3</sup> /hr @ 181 mbar	215 lbs	98 kg
 <b>PX-1500</b>	15 Hp	11 kW	75%	1350 CFM @ 31" H <sub>2</sub> O 2294 m <sup>3</sup> /hr @ 77 mbar	1100 CFM @ 52" H <sub>2</sub> O 1869 m <sup>3</sup> /hr @ 129 mbar	210 lbs	95 kg
 <b>PX-1550</b>	15 Hp	11 kW	75%	1050 CFM @ 63" H <sub>2</sub> O 1784 m <sup>3</sup> /hr @ 157 mbar	950 CFM @ 73" H <sub>2</sub> O 1614 m <sup>3</sup> /hr @ 181 mbar	220 lbs	100 kg
 <b>PX-2000</b>	20 Hp	15 kW	76%	1500 CFM @ 35" H <sub>2</sub> O 2548 m <sup>3</sup> /hr @ 87 mbar	1150 CFM @ 78" H <sub>2</sub> O 1954 m <sup>3</sup> /hr @ 194 mbar	275 lbs	125 kg



Blower Selection Chart



**PX-2000 blowers extend the performance range replacing many 25hp and even some 30hp blowers**

**PREMIUM EFFICIENCY MOTOR OPTIONS**

NEMA	60 Hz, 230 / 460 V, 3 phase
NEMA	50 Hz, 190 / 380 V, 3 phase
NEMA	60 Hz, 575 V, 3 phase
IEC	50 Hz, 400 V, 3 phase

**OPERATING TEMP**

Ambient	≤ 105 °F ≤ 40 °C
Intake Air	≤ 120 °F ≤ 49 °C

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## Highly Efficient For Lower Energy Costs

- State-of-the-art impeller designs produce more airflow at lower blower speeds
- Lowest belt tension yielding the highest efficiency belt per hp class
- Improved belt design gives less friction; Belt contains Aramid to reduce stretch to less than 1%
- Two stage filter design reduces pressure drop and vibration

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## Highly Reliable

- High load capacity bearing at rated speeds for long bearing life. ABEC 7 Super Precision Angular Contact bearing made in the USA
- Stringent balancing, quality control and testing prior to leaving the factory
- Unmatched 3 year warranty

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## Longer Service Life

- Blowers are designed to use minimum belt tension for all pulley ratios, extending the life of the blower system

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## Low Maintenance

- Two stage filter media gives improved performance and longer life
- Long lasting belts
- Unique belt tensioning systems

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## Quiet Operation

- Advanced engineering and precision manufacturing reduce vibration and noise
- All PX-series blowers are equipped with a silencer cartridge to reduce noise by 3 dBA
- Sound levels can be further reduced with a blower and/or air delivery device enclosure

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## Stringent Quality Control Testing

- Constructed of the highest quality parts held to the strictest standards, every Paxton blower undergoes comprehensive performance, vibration and noise testing before leaving the factory

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## Space Saving Design

- Versatile mounting and outlet positions for tight spaces. All Paxton blowers meet IEC and NEMA standards

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## Versatile Application Options

- Paxton blowers can be configured for drying, vacuum hold down, conveying, air rinsing and other applications

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## Custom Engineered

- All Paxton air delivery systems are custom engineered and configured to your specific product, line speed and configuration

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## Industry-best Blow Off and Drying Systems

- Unmatched performance in drying, blow off and air rinsing applications
  - Wide range of air knives, air manifolds and nozzles to produce an airstream that fits a wide range of products sizes, shapes and line configurations
  - Shears off and atomizes moisture at production speeds of up to 1000 feet per minute (305 meters/minute)
  - Patented Air Delivery design for high and low speed Air Rinsing applications
  - Novel CapDryer (patented) and CanDryer (patent pending) design replaces conventional air knives and nozzles with an all-in-one manifold to improve drying while enhancing usability and production floor safety
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# Sustainable By Design

## MAXIMUM EFFICIENCY COMPARED TO OTHER BLOWERS

- **20-30% more efficient** than other centrifugal blowers
- **5-10 hp savings** when switching to PX blowers
- **\$2-4k savings per year** vs other blowers

The Ultra High Efficiency PX-series blowers use state-of-the-art impellers and scroll designs to achieve blower efficiencies as high as 80%, to generate 33% more air flow than a standard centrifugal blower.



## MORE ENERGY EFFICIENT THAN COMPRESSED AIR

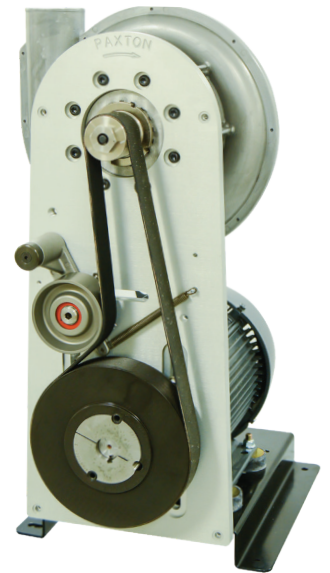
- **80-90% of the energy** used by air compressors is wasted
- **Blowers use only 20%** of the energy that compressed air uses
- **Less than 1 year** return on investment

REPLACE THIS BLOWER	WITH THIS PX-SERIES	ANNUAL ELECTRIC SAVINGS*
7.5 hp centrifugal	5 hp PX-500	\$1200
10 hp centrifugal	7.5 hp PX-750	\$1200
15 hp centrifugal	10 hp PX-1000	\$2400
20 hp centrifugal	15 hp PX-1500	\$2400
25-30 hp centrifugal	20 hp PX-2000	\$2400-\$4800
40 hp low efficiency	20 hp PX-2000	\$9600

\*Assumes electricity rate of 7.5 cents/kWh and 24 x 360 operation

## ADVANCED BELT DESIGN

Neoprene rubber reinforced with Aramid cord last 2x longer than standard polyester belts. Neoprene provides high grip and flexibility, extending life; Aramid adds strength and reduces stretch to extend belt life. Idler/tensioner uses 2 bearings for long life and smooth operation.



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