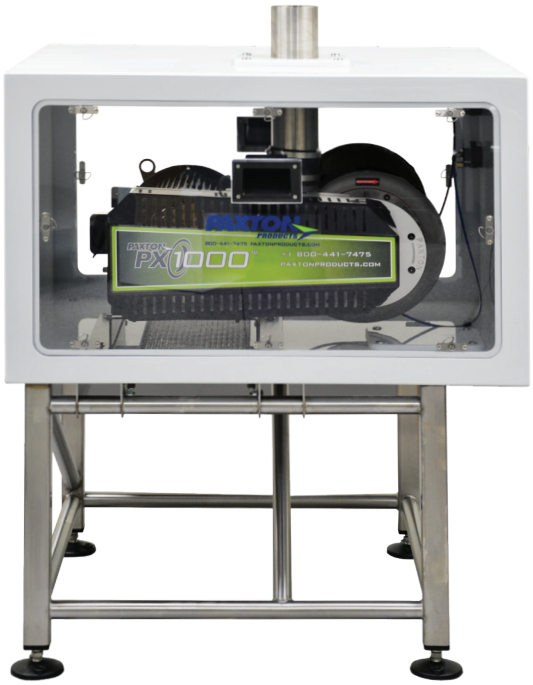
PX-SERIES
CENTRIFUGAL BLOWERS

More Air Power using Less Horsepower

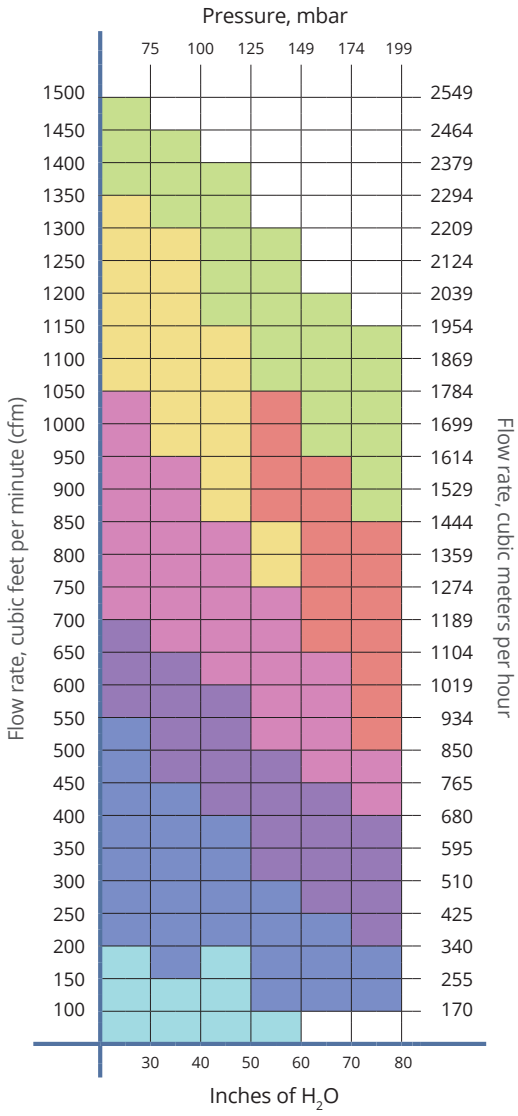
The PX-series aerodynamic design increases efficiency, meaning air power increases without increasing horsepower.

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	
PX-300	3 Hp	2.2 kW	65%	200 CFM @ 56" H_2O 340 m^3/hr @ 139 mbar	200 CFM @ 56" H_2O 340 m^3/hr @ 139 mbar	140 lbs	64 kg
PX-500	5 Hp	3.7 kW	66%	550 CFM @ 36" H_2O 934 m^3/hr @ 90 mbar	400 CFM @ 44" H_2O 6800 m^3/hr @ 109 mbar	160 lbs	73 kg
PX-750	7.5 Hp	5.6 kW	72%	700 CFM @ 30" H_2O 1189 m^3/hr @ 75 mbar	500 CFM @ 57" H_2O 850 m^3/hr @ 142 mbar	190 lbs	86 kg
PX-1000	10 Hp	7.5 kW	80%	1050 CFM @ 33" H_2O 1784 m^3/hr @ 82 mbar	600 CFM @ 73" H_2O 1020 m^3/hr @ 181 mbar	215 lbs	98 kg
PX-1500	15 Hp	11 kW	75%	1350 CFM @ 31" H_2O 2294 m^3/hr @ 77 mbar	1100 CFM @ 52" H_2O 1869 m^3/hr @ 129 mbar	210 lbs	95 kg
PX-1550	15 Hp	11 kW	75%	1050 CFM @ 63" H_2O 1784 m^3/hr @ 157 mbar	950 CFM @ 73" H_2O 1614 m^3/hr @ 181 mbar	220 lbs	100 kg
PX-2000	20 Hp	15 kW	76%	1500 CFM @ 35" H_2O 2548 m^3/hr @ 87 mbar	1150 CFM @ 78" H_2O 1954 m^3/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

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
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
Longer Service Life	➢ Blowers are designed to use minimum belt tension for all pulley ratios, extending the life of the blower system
Low Maintenance	➢ Two stage filter media gives improved performance and longer life ➢ Long lasting belts ➢ Unique belt tensioning systems
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
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
Space Saving Design	➢ Versatile mounting and outlet positions for tight spaces. All Paxton blowers meet IEC and NEMA standards
Versatile Application Options	➢ Paxton blowers can be configured for drying, vacuum hold down, conveying, air rinsing and other applications
Custom Engineered	➢ All Paxton air delivery systems are custom engineered and configured to your specific product, line speed and configuration
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

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

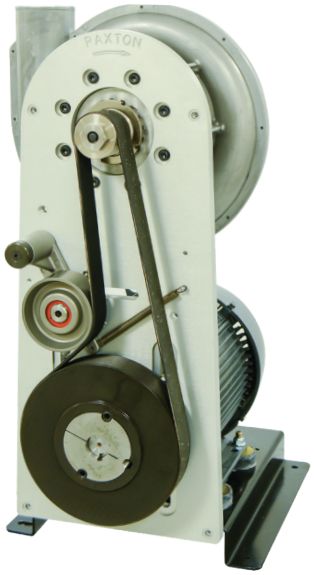
The Ultra High Efficiency PX-series blowers use state-of-the-art impellers and scroll designs to achieve blower efficiencies as high as 80%, to generate 33% more air flow than a standard centrifugal blower.

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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3 YEAR WARRANTY