

PAXTON
AT **SERIES**™

PAXTON
XT **SERIES**™

High Efficiency Centrifugal Blowers For Blow Off and Drying

**Return on Investment is often about one year
when replacing compressed air drying systems
or regen blowers with Paxton AT & XT blowers**

Paxton's AT-series and XT-series blowers offer highly efficient solutions for drying, process air, blow off, or vacuum applications. Available at power ratings ranging from 3 to 20 hp (2.2 to 15 kW), there is a Paxton blower for any industrial application.

- Highest efficiency to reduce energy costs by 50 - 80%.
- Longer service life with an unmatched full 3 year warranty.
- Quiet operation with low maintenance.
- 100% Performance Guarantee when coupled with Paxton air knives, manifolds and nozzles.



- Replaces compressed air systems with 1/5 the energy usage
- 50% more efficient and less heat than regen blowers
- Highly reliable with unmatched 3 year warranty



**Guaranteed
Clean and Dry**

- Low Maintenance
- Quiet Operation
- Longer Service Life

High Performance Centrifugal Blowers

Low maintenance

- > Paxton belts last 2-3 times longer than standard polyester belts.

Longer Service Life

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

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

Industry-best Blow-off & Drying Systems

- > Unmatched 100% performance guarantee in drying and blow-off 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)

Versatile Application Options

- > Paxton blowers are extremely versatile and can be configured for blow off, ventilation, vacuum hold down, conveying and many other applications.

Custom Engineered Systems

- > All Paxton air delivery systems are custom designed, engineered and configured to your specific product, and the blower sized to maximize efficiency.



XT-Series Centrifugal Blowers

The XT-series blowers are high efficiency blowers for drying and process air applications of all types. The XT-series is available in 3 hp and 5 hp models. The XT-300 is Paxton's smallest blower and is the foundation of the PowerDry™ System.

- > The XT-series features an auto-tension belt drive designed specifically to enhance the performance, efficiency and service life of the XT-series' smaller motors.
- > Has substantially lower energy requirements than those of a typical centrifugal blower: an XT-500, for example, delivers 20% more flow at the same pressure when compared to a standard 5 hp centrifugal blower.

Specifications		XT-300	XT-500	
Power, hp	hp	3	3	5
	kw	2.2	2.2	4
Maximum Efficiency	%	52	60	
Maximum Output	cfm	300 @ 31" W/C	240 @ 41" W/C	375 @ 50" W/C
	m ³ /hr	510 @ 77mbar	408 @ 102mbar	637 @ 125mbar
Outlet diameter	inches	3	3	
	mm	76	76	
Impeller	Machined from SAE 355 Aluminum Casting			

Highly efficient for lower energy costs

- > State of the art impeller design produces more airflow at lower blower speeds
- > Lowest belt tension yielding the highest efficiency belt per hp class
- > Improved belt design gives less friction
 - XT-series: auto-tensioning belt means low bearing loads and less vibration
 - AT-series: belt contains Aramid to reduce stretch to less than 1%
- > Patented filter housing 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

Quiet Operation

- > Advanced engineering and precision manufacturing reduce vibration & noise on our OSHA compliant blowers.

Space Saving Design

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

Maximum Operating Temperatures °F °C

	°F	°C
Ambient Operating Temp.	105	41
Intake Air Temperature		
Standard configuration	120	49
with liquid cooled bearing carrier	325	163



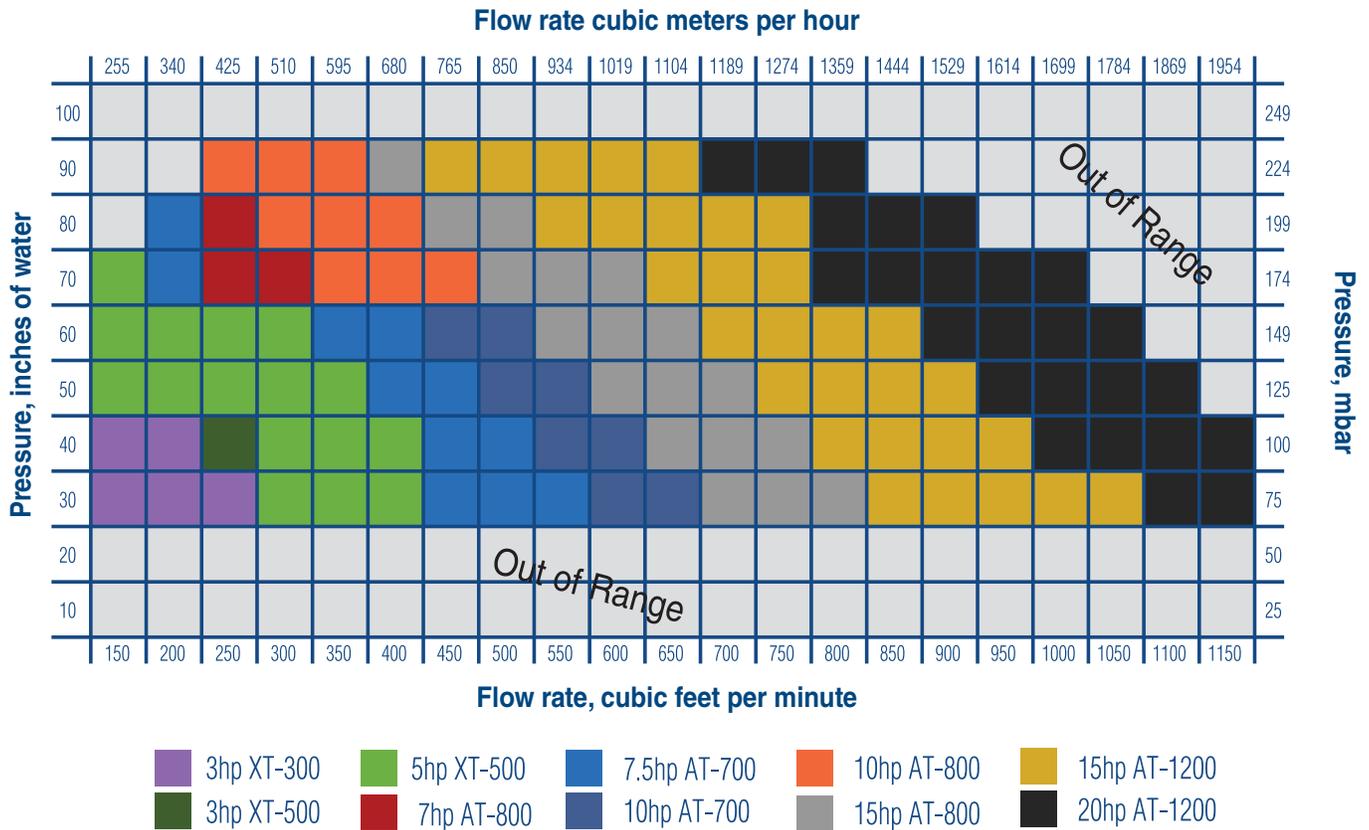
AT-Series Centrifugal Blowers

The AT-series blowers offer highly efficient solutions for process air, drying or vacuum applications. Available at power ratings ranging from 7.5 hp to 20 hp, there is an AT-series blower for any industrial application.

- > Features a high efficiency impeller to generate more airflow, delivering performance at up to 20% lower speeds, producing less internal heat, noise, vibration, and less power consumption.
- > Unique belt and tensioner design ensures peak performance, with low stretch, high grip, and flexibility, extending belt life and minimizing downtime.
- > Incorporates a patented filter silencer to further reduce vibration and improve performance.

Specifications		AT-700		AT-800		AT-1200	
Power, hp	hp	7.5	10	10	15	15	20
	kw	5.5	7.5	7.5	11	11	15
Maximum Efficiency	%	59		65		65	
Maximum Output	cfm	450 @ 60" W/C	600 @ 50" W/C	500 @ 80" W/C	700 @ 68" W/C	800 @ 70" W/C	1100 @ 60" W/C
	m ³ /hr	765 @ 149mbar	1019 @ 125mbar	850 @ 199mbar	1189 @ 169mbar	1359 @ 174mbar	1869 @ 149mbar
Outlet diameter	inches	3		3		4	
	mm	76		76		102	
Impeller	Machined from SAE 355 Aluminum Casting			Machined from 6061 Aluminum Billet			

Blower Selection Chart (60Hz Motors)



Blower Frame Size and Weight

	Power, hp	Frame Size	Weight, lbs
XT-300	3	145TC	85
XT-500	3	182TC	100
	5	184TC	116
AT-700	7.5	213TC	152
	10	215TC	182
AT-800	10	213TC	188
	15	215TC	212
AT-1200	15	215TC	214
	20	256TC	274

	Power, kW	Frame Size	Weight, kg
XT-300	2.2	90L	32
XT-500	4	112M	63
AT-700	5.5	132M	70
	7.5	132M	79
AT-800	11	160M	102
AT-1200	11	160M	106
	15	160M	115

Both NEMA and IEC motors available			
		Low Voltage	High Voltage
NEMA	60 Hz	208 - 230	460
	50 Hz	190	380
IEC	50 Hz	200	400

