

CPI 75-120 Rotary Screw Compressors



People. Passion. Performance.



Experience the all new CPI75-120 Screw Compressors

Connecting cost efficiency and performance

The new range offers you excellent performance, plug-and-play installation and the reliability you can expect from the Chicago Pneumatic brand. The advanced connectivity adds intelligence to your compressor, allowing you to decrease operating costs further while increasing productivity.



Ready to discover our new compressors?

Improved performance

Built with the newest technology, our compressor range features IE4 motors which are the best in order to reach high performance and energy cost savings.

Known CP reliability

Our range has always been valued for their excellent reliability. This is also something you can expect from the new range, plus that little bit more.

Stay connected

The ES4000Touch controller gives you insight into the performance of your compressed air system – remotely and at any given moment – allowing you to make smarter use of your resources.

Main features



New air end

- The in-house designed compression element, combined with an IE4 efficiency motor, comes with increased performance, lower compression temperature and high reliability.
- The Free Air Delivery is increased up to +4% and power consumption is reduced by up to -3% thanks to the improved product selection and our in-house designed compressor element.
- Fit for environments with ambient temperatures of up to 46°C due to superior component design.



ES4000Touch

- An intuitive and easy-to-operate control system gives you an insight into the performance of your compressed air system – remotely and at any given moment.
- Controls the unit by maintaining the pressure between programmable limits.
- Protects the unit thanks to the programmed shutdown warnings.
- Maintains the unit thanks to our programmed service time interval meter, informing the customer when service is due.



Easy installation and service

- Effortless maintenance thanks to the easily removable panels and quick access to all service parts.
- Low maintenance costs.



Silencing baffle

- Guarantees reduced noise levels.
- Even more important when operating the compressor close to the point-of-use.



In-house designed components

- The spring-controlled unloader valve includes a more precise mechanism that allows to release excess pressure in a more reliable way.



Air quality

- A water separator drain comes as standard on units with an integrated dryer.
- Removes the condensate formed in the cooler as the compressed air is cooled.
- Improves the air quality.



Integrated dryers

- The whole Industrial range is now available with integrated dryers.
- Internal Water Separator integrated in air cooler for machines with integrated dryer.



High efficiency motor

- IE4 Super Premium efficiency class.
- IP66 protection against dust ingress.



Generous and smart cooling system

- Bigger air oil coolers have been selected, resulting in a high cooling capacity, maximum cooling efficiency and increased reliability.
- The large fan provides forced ventilation and conveyed flows, improving the air flow and reducing operating temperature for enhanced reliability.

Equipped with the ES4000Touch controller bringing you a next-level, rugged and intuitive display.

The new ES4000Touch is an incredible state-of-the-art compressor controller. But more than this, it means ease of use, peace of mind, and performance optimisation. In combination with our ICONS Intelligent Connectivity System, the ES4000Touch allows you to improve both the reliability and efficiency of your production process.

- ▶ Big, easy to use 4" touch control with a simplified lay-out
- ▶ The compressor is protected with sensors to immediately alert you when something is wrong
- ▶ Clear overview of all parameters and service intervals



- ▶ Plan maintenance interventions at the right time, guarantee system uptime and eliminate breakdown risks
- ▶ Designed for intuitive use in heavy duty environments

ICONS

Increased uptime, Powered by icons

With the Intelligent CONnectivity System (ICONS), data and insights are delivered straight from your machines to your computer, tablet or smartphone.

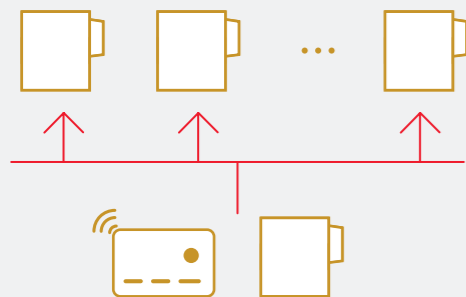
The new range of compressors can be fully connected.



EControl6i

The optional ECO6i controller allows you to optimize both workload and energy consumption.

Do you operate more than 2 compressors? The ES4000Touch can act as a master controller thanks to its built-in EControl6i functionality. Reduce service costs by evenly distributing running hours over your compressors and save energy by using one pressure band for your entire compressor room.



Built-in options



Energy Saving

Integrated energy recovery

Recovers up to 75% of the heat energy formed during the compression process, which can be used to heat up water for boilers, showers, etc (option).

ECO2i – ECO4i – ECO6i

Integrated multiple compressor control for up to 6 compressors reduces system pressure and energy consumption (option).

Air Quality

Integrated water separation drains

Ensures efficient condensate removal.

Tropical thermostatic valve

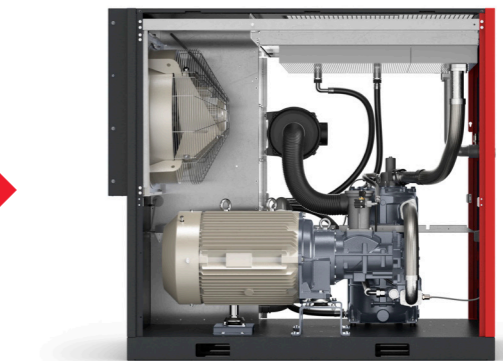
For use in humid and hot conditions.

Freeze protection

Guarantees a certain oil temperature in the oil vessel to avoid condensation.

Integrated refrigerant dryer

Removes water condensate from the compressed air, minimizing the risk of product spoilage in your application.



A range of options

- FULL FEATURE MACHINES
- WATERCOOLING
- WATER SEPARATION DRAIN - MECHANICAL (PACK ONLY)
- INTEGRATED ENERGY RECOVERY
- TEST REPORT
- WATER SEPARATION DRAIN - ELECTRONIC
- EXPANSION MODULE
- PREFILTER KIT
- POWER DUCT FAN - AC*
- OIL PREHEATER = FREEZE PROTECTION
- OIL - 4000H OIL FOOD GRADE
- ECO2i
- ECO4i
- ECO6i
- TROPICAL THERMOSTAT
- EMC FILTER
- COMPRESSOR RUNNING- L/ ULSIGNAL - REMOTE CONTROL

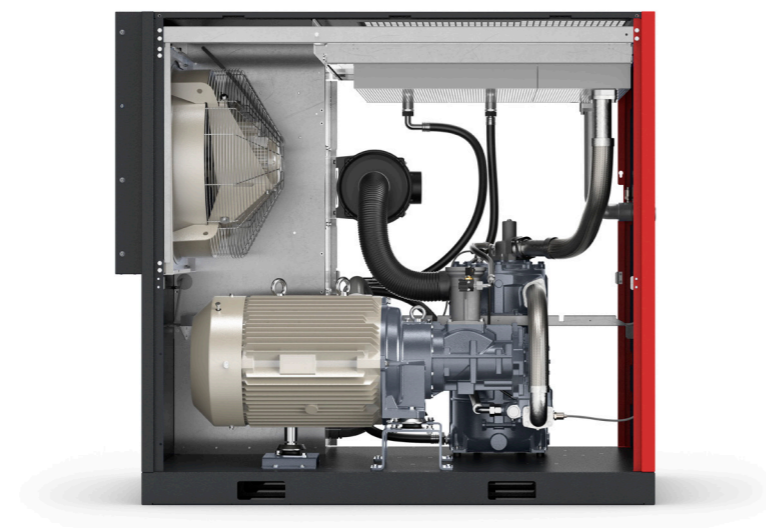
* Not on 120Hp

Performance data

FIXED SPEED CPI 75-120

Model CP	Max working pressure	Reference working pressure	Free air delivery @ reference conditions	Motor power		Noise level	Cooling air volume	Weight		Compressed air output diameter
	psi	psi		kW	Hp			STD	PLUS	
CPI75	107	100	375	55	75	70	5551	2476	3155	2 ½"
	132	125	343	55	75	70	5551	2476	3155	2 ½"
	157	150	326	55	75	70	5551	2476	3155	2 ½"
	183	175	297	55	75	70	5551	2476	3155	2 ½"
CPI101	107	100	524	75	100	71	5551	2831	3538	2 ½"
	132	125	481	75	100	71	5551	2831	3538	2 ½"
	157	150	434	75	100	71	5551	2831	3538	2 ½"
	183	175	400	75	100	71	5551	2831	3538	2 ½"
CPI120	107	100	623	90	120	72	7458	2967	3686	2 ½"
	132	125	560	90	120	72	7458	2967	3686	2 ½"
	157	150	519	90	120	72	7458	2967	3686	2 ½"
	183	175	452	90	120	72	7458	2967	3686	2 ½"

Available in 575V variant and with CRN approval



Since 1901, Chicago Pneumatic has delivered reliability with a deep understanding of customer needs. We are a global manufacturer of high-performance power tools, air compressors, generators, light towers, and hydraulic equipment for professional and industrial applications. Our products are engineered for performance and lasting customer value.

People. Passion. Performance. This is our promise.



At Chicago Pneumatic we have a passion for performance and long-lasting partnerships. Since 1901, we have been committed to reliability based on technology and trust.



People. Passion. Performance.

CP compressors are supported by a network of trained service technicians who can provide complete warranty support, spare parts and technical consultation. For more information on our products, please contact your CP territory sales manager or a local authorized CP distributor.



Care. Trust. Efficiency.

Care. Care is what service is all about: professional service by knowledgeable people, using high-quality Original parts.

Trust. Trust is earned by delivering on our promises of reliable, uninterrupted performance and long equipment lifetime.

Efficiency. Equipment efficiency is ensured by regular maintenance. Efficiency of the service organization is how Original Parts and Service make the difference



The Compressed Air and Gas Institute, CAGI, is an organization dedicated to improving the compressed air industry through established standards. As a proud member of CAGI, CP Compressors publishes all technical data in accordance with CAGI/PNEUROP PN2CPTC2 guidelines and voluntarily allows products to be selected for participation in CAGI's Performance Verification Program. With CP Compressors, our customers know they are receiving the excellent performance that we publish.



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Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.