People. Passion. Performance.

Chicago Pneumatic

Experience the new CPI75-120 & CPM75-120 screw compressors

Connectivity and optimization leads to performance

The new range offers you increased performance and the reliability of the Chicago Pneumatic brand. The advanced connectivity and the intuitive controller add intelligence, ease of use and the gathering of insights to your compressor. It will allow you to decrease operating costs and increase productivity based on your situation and needs.

Ready to discover our new compressors?

Key differentiators

By optimizing each individual component we have ensured that we deliver you our most innovative compressor.

1 Next generation screw elements

- They deliver superior performance and efficiency.
- Improved rotor profile, reduced pressure losses.
- In-house designed and produced in Belgium elements.

2 Infographic controller

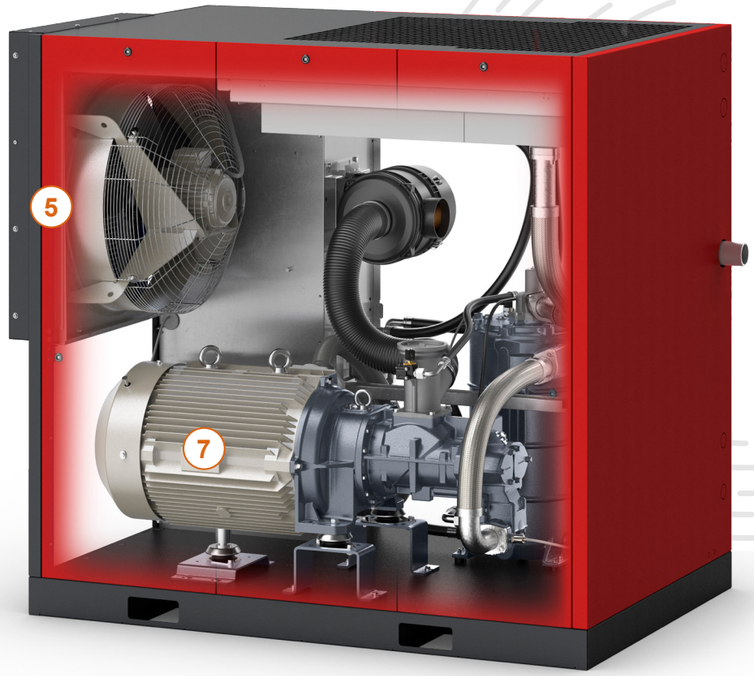
- Intuitive full-color graphical display with touchscreen.
- Integrated connectivity to help optimize and save energy.
- In-house designed.

3 An integrated dryer (not for CPM)*

- For enhanced air quality and with a deduced footprint, up to 1/3 of a stand-alone dryer.
- Condensate removal at the source, minimizing pipework corrosion.
- Single service visit, reducing maintenance cost.
- No extra installation cost.

4 Casted oil separator vessel

- Integrated minimum pressure valve (MPV) eliminates risk of leakage.
- Designed for optimal oil separation and low oil carry over



5 Quality filtration

- Protecting internal components and increasing lifetime.
- Heavy duty air/oil/oil separator filters with long lifetime for low total cost of ownership.

6 Separate coolers

- Separate oil and air cooler for high-quality cooling and long lifetime of the coolers.
- Gliding rails for easy and safe removal.
- Easy access for cleaning.
- Integrated water separation for coolers used on machines with integrated dryers.

7 High efficiency motor

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

Main features

New air end

- The compression element is in-house designed. Combined with an IE4 efficiency motor it leads to 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%.
- The superior component design makes it fit for environments with ambient temperatures of up to 46°C.

High efficiency motor

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

Integrated dryers for better air quality (not for CPM)

- Units with an integrated dryer have a water separator drain to remove condensate from the cooler.
- Removing condensate improves the air quality.

Easy installation and service

- Easily removable panels and quick access to all service parts guarantee effortless maintenance.
- Low maintenance costs.

Infographic controller

- Intuitive and easy-to-operate.
- Insight into the performance of your compressed air system – remotely and at any given moment.
- Control by maintaining the pressure between programmable limits.
- Programmed shutdown warnings to protect the unit.
- Programmed service time interval meter, informing the customer when service is due.

Full insight into your compressor system with the ES4000Touch controller

The ES4000S features an intuitive user interface with simple symbols for easy navigation. For advanced user experience we suggest the ES4000T which has a state-of-the-art 4.3” full-color touchscreen.

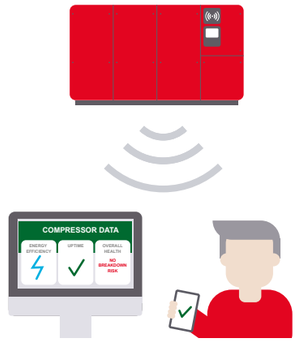
But the ES4000S & ES4000T both take ease of use a step further. Thanks to the connectivity features you can check your compressor’s service status anywhere, at any time, in real time and that improves the reliability of your overall operations.

Service interventions can be planned at the right moment and it avoids production downtime by detecting potential problems before they become a liability.

Standard

Optional upgrade

ICONS



The ICONS plan: all your compressor information direct to any device you want

Urgent servicing or an immediate intervention? With an ICONS plan, alerts are delivered from your controller straight to your computer, tablet or smartphone. Reduce the risk of downtime and other costs with a swift reaction to alerts.

A smart cooling system with more power

- Bigger air oil coolers make sure your compressor has a high cooling capacity, maximum cooling efficiency and increased reliability.
- The large fan improves the air flow and reduces operating temperature for enhanced reliability.

Built-in options

Air Quality

Integrated water separation drains
To ensure efficient condensate draining.

Tropical thermostatic valve
For the use in humid and hot conditions.

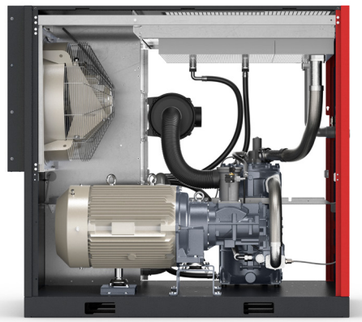
Freeze protection
Guarantees a certain oil temperature in the oil vessel to avoid condensation.

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

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.

ECO2i – ECO4i – ECO6i
Integrated multiple compressor control for up to 6 compressors to reduce system pressure and energy consumption.



A range of options

- → WATER SEPARATION DRAIN - MECHANICAL (PACK ONLY)
- → INTEGRATED ENERGY RECOVERY
- → OIL - 8000H OIL SYNTHETIC
- → WATER SEPARATION DRAIN - ELECTRONIC
- → EXPANSION MODULE
- → UPGRADE TO TOUCH
- → PREFILTER KIT
- → POWER DUCT FAN - AC*
- → OIL PREHEATER = FREEZE PROTECTION
- → OIL - 4000H OIL FOOD GRADE
- → ECO2I
- → ECO4I
- → ECO6I
- → TROPICAL THERMOSTAT
- → COMPRESSOR RUNNING-L/UL SIGNAL - REMOTE CONTROL

* Not on 120HP

Performance data

CPI75-120 (50HZ)

Model	Max working	Reference working	Free air delivery @ reference conditions			Motor power		Noise level	Cooling air	Weight		Compressed air output diameter
										STD	PLUS	
	bar(g)	bar(g)	m³/h	l/s	cfm	kW	Hp	dB(A)	m³/h	kg	kg	
CPI75	7.5	7	626	174	369	55	75	71	2.62	1123	1431	2 1/2”
	8.5	8	598	166	352	55	75	71	2.62	1123	1431	2 1/2”
	10	9.5	536	149	316	55	75	70	2.62	1123	1431	2 1/2”
	13	12.5	475	132	280	55	75	70	2.62	1123	1431	2 1/2”
CPI100	7.5	7	806	224	475	75	100	73	2.62	1189	1510	2 1/2”
	8.5	8	778	216	458	75	100	72	2.62	1189	1510	2 1/2”
	10	9.5	720	200	424	75	100	73	2.62	1189	1510	2 1/2”
	13	12.5	623	173	367	75	100	73	2.62	1189	1510	2 1/2”
CPI120	7.5	7	1021	284	601	90	120	72	3.52	1346	1672	2 1/2”
	8.5	8	976	271	574	90	120	71	3.52	1346	1672	2 1/2”
	10	9.5	911	253	536	90	120	73	3.52	1346	1672	2 1/2”
	13	12.5	770	214	453	90	120	71	3.52	1346	1672	2 1/2”

CPI75-120 (60HZ)

Model	Max working	Reference working	Free air delivery @ reference conditions			Motor power		Noise level	Cooling air	Weight		Compressed air output diameter
										STD	PLUS	
	bar(g)	bar(g)	m³/h	l/s	cfm	kW	Hp	dB(A)	m³/h	kg	kg	
CPI75	7.5	7	637	177	375	55	75	71	2.62	1123	1431	2 1/2”
	8.5	8	583	162	343	55	75	71	2.62	1123	1431	2 1/2”
	10	9.5	554	154	326	55	75	70	2.62	1123	1431	2 1/2”
	13	12.5	504	140	297	55	75	70	2.62	1123	1431	2 1/2”
CPI100	7.5	7	814	226	479	75	100	73	2.62	1189	1510	2 1/2”
	8.5	8	778	216	458	75	100	72	2.62	1189	1510	2 1/2”
	10	9.5	706	196	415	75	100	73	2.62	1189	1510	2 1/2”
	13	12.5	634	176	373	75	100	73	2.62	1189	1510	2 1/2”
CPI120	7.5	7	1058	294	623	90	120	72	3.52	1346	1672	2 1/2”
	8.5	8	950.4	264	559.38	90	120	71	3.52	1346	1672	2 1/2”
	10	9.5	882	245	519.12	90	120	73	3.52	1346	1672	2 1/2”
	13	12.5	766.8	213	451.32	90	120	71	3.52	1346	1672	2 1/2”

CPM75-120 (50HZ)

Model	Max working	Reference working	Free air delivery @ reference conditions			Motor power		Noise level	Cooling air volume	Weight	Compressed air output diameter
										STD	
	bar(g)	bar(g)	m³/h	l/s	cfm	kW	Hp	dB(A)	m³/h	kg	
CPM75	7.5	7	616	171	362	55	75	71	2.6	1123	2 1/2"
	8.5	8	581	161	342	55	75	71	2.6	1123	2 1/2"
	10	9.5	520	144	306	55	75	70	2.6	1123	2 1/2"
CPM100	7.5	7	792	220	466	75	100	73	2.6	1189	2 1/2"
	8.5	8	768	213	452	75	100	72	2.6	1189	2 1/2"
	10	9.5	709	197	417	75	100	73	2.6	1189	2 1/2"
CPM120	7.5	7	973	270	573	90	120	71	2.6	1346	2 1/2"
	8.5	8	924	257	544	90	120	71	2.6	1346	2 1/2"
	10	9.5	861	239	507	90	120	71	2.6	1346	2 1/2"

CPM75-120 (60HZ)

Model	Max working	Reference working	Free air delivery @ reference conditions			Motor power		Noise level	Cooling air	Weight	Compressed air output diameter
										STD	
	bar(g)	bar(g)	m³/h	l/s	cfm	kW	Hp	dB(A)	m³/h	kg	
CPM75	6.9	7	623	173	367	55	75	71	2.6	1123	2 1/2"
	8.6	8	565	157	332	55	75	70	2.6	1123	2 1/2"
	10.3	9.5	524	146	308	55	75	70	2.6	1123	2 1/2"
CPM100	6.9	7	803	223	472	75	100	73	2.6	1189	2 1/2"
	8.6	8	754	210	444	75	100	73	2.6	1189	2 1/2"
	10.3	9.5	693	193	408	75	100	73	2.6	1189	2 1/2"
CPM120	6.9	7	973	270	573	90	120	71	2.6	1346	2 1/2"
	8.6	8	899	250	529	90	120	72	2.6	1346	2 1/2"
	10.3	9.5	815	226	480	90	120	71	2.6	1346	2 1/2"

Chicago Pneumatic

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.

For more information, please contact your CP partner:

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