

**CPM 3-9 /  
CPM 3-9 VS  
oil-injected screw  
compressors**



People. Passion. Performance.



# CPM 3-9 / CPM 3-9 VS oil-injected screw compressors

The Chicago Pneumatic CPM is the ultimate workshop compressor: powerful, easy to use and always reliable. Thanks to its rotary screw technology, you get more air while enjoying lower operational costs. Better yet, you can use it all day long without cool-down periods.

Of course you can tailor the CPM to your specifications and preferences. We have a 2.2 to 7.5 kW power range, fixed-speed and Variable Speed Drive units, both floor- and tank-mounted models, and a range of options to custom-build your CPM.



## Easy to use

- Intuitive controller.
- Removable panel for easy service.



## More air, lower energy costs

- Get more air more efficiently.
- Larger VSD models deliver up to 30% energy savings.
- Enjoy continuous use without cool-down periods.



## An all-in-one solution

- The CPM is a complete air system in one compact unit. Even options such as an air dryer, an air receiver or an oil heater are fully integrated to help you save on floor space and operational costs.



## Built to last

- The CPM is built in Europe. Its automated screw air end manufacturing line prevents human error and ensures the CPM is as powerful and reliable in real life as it was designed.

# The workshop compressor



## New: VSD for superior reliability and performance

We know your job keeps getting more demanding. That's why we added VSD technology to our CPM range. The CPM 3-9 VS adjusts its motor speed to follow your air demand as it goes up and down. The result: up to 30% energy savings compared to fixed-speed for our larger models.

But there is more. The VSD technology of the CPM 3-9 VS ensures a gradual start-up. This decreases stress on key components such as bearings and belts by 80% to give you a long lifetime and lower maintenance costs. It also reduces the inrush current to prevent electrical components from overheating and to help avoid expensive penalties from your utility provider.

## Comfortably quiet

The CPM was built to be installed and used right where you need it: on your shop floor. That is why we made the unit extra quiet. With a sound level as low as 57 dB(A), the VSD model is even more silent, comparable to a household appliance.

## Cost-effective to buy and own

The CPM doesn't require a separate compressor room. That reduces logistical hassles such as piping, but also lowers your operational and your investment costs. How? The CPM does not have to push its air through an elaborate network of pipes. This means less pressure drops and a higher Free Air Delivery, which generates significant energy savings. But it often also frees up the possibility of choosing a lower pressure and power variant of the CPM, and thus to lower your investment cost significantly.



**lower  
operational  
costs**

Lower energy  
use and costs

Get a lower pressure  
and power variant



**lower  
investment  
costs**



# The all-in-one compressor

## Advanced screw air end

The CPM comes with a new air end that delivers more air more efficiently.

## IE3 efficiency motor

allows for continuous operation while reducing energy costs.

## Refrigerant dryer

can be added to your CPM for dry, quality air.

## Super-silent canopy

reduces sound emissions to a comfortable 57-68 dB(A).

## High-quality inverter

Ensures the compressor matches its motor speed to your air demand to give you more reliability and efficiency.



## Easy control

The CPM comes with the ES4000 connect controller. It makes your compressor easier to operate, more reliable and more cost-efficient. And thanks to its automatic software updates, your compressor will even get better over time.



- Easy-to-use display
- Connectivity for remote monitoring and control
- DSS advanced energy savings
- Real-time warnings and shutdown alarms
- Service status, history and notifications
- Leakage detection
- Easy pressure band settings via the ICONS app
- Over-the-air software updates

# Enhance and customize your CPM

Thanks to its wide range of options and flexible build, the CPM can accommodate all your requirements.



## Line filter

Can be added for high-quality air.



## No-loss timer drain

Removes tank condensate.



## 500-liter tank

Gives you extra air storage and reduces the risk of condensation.



## Oil heater

Prevents intermittent-use condensation by maintaining a constant oil temperature while unloading/idle.



## Tropical thermostat

Maintains a higher oil temperature to reduce the risk of condensation.



## Unique condensate prevention

If you don't use your compressor continuously, investing in condensate prevention is a smart choice. The CPM eliminates the risk of condensation with a host of features, including an oil heater, a tropical thermostat, and a 500-liter tank.

# A CPM that works for you

Do you need the reliability, efficiency and quiet comfort of Variable Speed Drive technology or will fixed-speed performance suffice? We've listed the differences between the two versions below. Each can be tailored with a host of options, including integrated air treatment, condensation prevention, and air storage to meet your specific requirements.



## FIXED-SPEED CPM 3-9

Industry-leading Free Air Delivery

100% duty cycle

State-of-the-art connect controller

Floor-mounted and tank-mounted models

Optional condensation prevention

Optional full feature version with integrated dryer and filter

Low noise



## VARIABLE SPEED DRIVE CPM 3-9 VS

Industry-leading Free Air Delivery

100% duty cycle

State-of-the-art connect controller

Floor-mounted and tank-mounted models

Optional condensation prevention

Optional full feature version with integrated dryer and filter

Up to 7 decibels quieter than fixed-speed

Energy savings up to 30% compared to fixed-speed

Less component wear for longer lifetime and lower operational costs

Lower starting currents increase reliability

## The convincing benefits of screw technology

Are you considering a piston compressor? The rotary screw technology of the CPM offers much stronger benefits. A quick comparison of performance, noise, and air quality shows the CPM to be the better workshop solution.



### Stronger performance

- The CPM generates more air and does so more efficiently thanks to its superior compression technology.



### Lower sound levels

- The CPM emits just 57 to 68 dB(A). Pistons are typically 25 dB(A) louder.



### Longer working hours

- While pistons need cool-down periods, the CPM can be used all day long.



### Cleaner air

- With an oil carry-over of less than 5 ppm, the CPM generates much cleaner air than a typical piston compressor (more than 30 ppm) to protect your pneumatic tools.

# Performance data

Model	Max. working pressure	Reference working pressure	Free Air Delivery @ reference conditions*			Motor power		Noise level measured at 70% load**	Weight		
									Base- mounted	Tank- mounted 200L.	Tank- mounted 200L. + dryer
									kg		
CPM 3 VS	8	7.5	21.6	360	12.7	2.2	3	57	110	165	190
	10	9.5	17.6	293	10.3						
CPM 4 VS	8	7.5	27.7	462	16.3	3	4	57	115	170	195
	10	9.5	21.6	360	12.7						
CPM 5.5 VS	8	7.5	34.9	581	20.5	4	5.5	58	120	175	200
	10	9.5	30.2	503	17.8						
CPM 7.5 VS	8	7.5	53.6	894	31.6	5.5	7.5	61	130	185	210
	10	9.5	45.4	756	26.7						
CPM 9 VS	8	7.5	62.3	1038	36.7	7.5	10	61	140	195	225
	10	9.5	58	966	34.1						

\* Unit performance measured according to ISO1217, Annex E, latest edition

\*\* Noise level measured at 70% load according to ISO2151 2004

Model	Max. working pressure	Reference working pressure	Free Air Delivery @ reference conditions*			Motor power		Noise level measured at 70% load**	Weight				
									Base- mounted	Tank- mounted 200L.	Tank- mounted 200L. + dryer	Tank- mounted 270L.	Tank- mounted 270L. + dryer
									kg				
CPM 3	8	7.5	20.6	343	12.1	2.2	3	61	110	165	190	180	205
	10	9.5	16.9	281	9.9								
CPM 4	8	7.5	27.6	460	16.2	3	4	61	115	170	195	185	210
	10	9.5	21.5	359	12.7								
CPM 5.5	8	7.5	34.7	578	20.4	4	5.5	62	120	175	200	190	215
	10	9.5	30.1	502	17.7								
CPM 7.5	8	7.5	51.5	858	30.3	5.5	7.5	66	130	185	210	200	225
	10	9.5	45.4	756	26.7								
CPM 9	8	7.5	61.7	1028	36.3	7.5	10	68	140	195	225	210	240
	10	9.5	57.7	961	33.9								

\* Unit performance measured according to ISO1217, Annex E, latest edition

\*\* Noise level measured at 70% load according to ISO2151 2004

## Dimensions

Model	CPM 3-9 VS			CPM 3-9		
	Length	Width	Height	Length	Width	Height
Base-mounted	620	630	975	620	630	950
Tank-mounted 200 L.	1430	600	1285	1430	600	1260
Tank-mounted 200 L. with dryer						
Tank-mounted 270 L.	N/A	N/A	N/A	1540	600	1350
Tank-mounted 270 L. with dryer						
Tank-mounted 500 L.	N/A	N/A	N/A	1940	605	1500
Tank-mounted 500 L. with dryer						

\* Consider an extra width of +65mm. for the 10 hp model.





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.

A large, stylized graphic of a fingerprint, composed of numerous red, curved lines that form the ridges and valleys of a fingerprint. It is centered in the upper half of the page.

**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.

[www.cp.com](http://www.cp.com)