

**CPM 3-9 VS  
Oil-Injected  
Screw  
Compressors**



People. Passion. Performance.





# CPM 3-9 VS Oil-injected Screw Compressors

The Chicago Pneumatic CPM VS 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 VS to your specifications and preferences. We have 3-9 hp units available, all with Variable Speed Drive technology, both floor- and tank-mounted models, and a range of options to custom-build your CPM VS.



## 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 VS 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 automated screw air end manufacturing line prevents human error and ensures the CPM VS 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 VS 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 59 dB(A), the CPM VS is comparable to a household appliance.

## Cost-effective to buy and own

The CPM VS 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 VS 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 VS, and thus lowering 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 VS 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 VS for dry, quality air.

## Super-silent canopy

reduces sound emissions to as low as 59 dB(A).

## High-quality inverter

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

# Enhance and Customize Your CPM VS

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



## Line filter

Can be added for high-quality air.



## No-loss timer drain

Removes tank condensate.



## 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.

## Easy control

The CPM VS 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



## 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 Compressor That Works for You

All CPM VS models come with the reliability, efficiency and quiet comfort of Variable Speed Drive technology. Each can be tailored with a host of options, including integrated air treatment, condensation prevention, and air storage to meet your specific requirements.



## 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 59 to 63 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		
			PSI	PSI	m3/h			l/min	cfm	hp
CPM 3 VS	116	109	21.6	360	12.7	3	59	243	364	419
	145	138	17.6	293	10.3					
CPM 5.5 VS	116	109	34.9	581	20.5	5.5	60	265	386	441
	145	138	30.2	503	17.8					
CPM 7.5 VS	116	109	53.6	894	31.6	7.5	62	287	408	463
	145	138	45.4	756	26.7					
CPM 9 VS	116	109	62.3	1038	36.7	10	63	309	430	496
	145	138	58	966	34.1					

\* 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		
	Length (in.)	Width (in.)	Height (in.)
Base-mounted	24	25	38
Tank-mounted 60 gal.	56	24	51
Tank-mounted 60 gal. with dryer			

\* Consider an extra width of +3 in. 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.



# 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.



CP Compressors USA  
Rock Hill, SC 29730  
1-877-861-CPAC (2722)

CP Compressors Canada  
2905 Argentia Rd. Unit 6  
Mississauga, Ontario L5N 8G6  
1-647-302-9840

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)