



**Chicago  
Pneumatic**



**CPVS Series**

**People. Passion. Performance.**

# Variable Speed Drive Rotary Screw Air Compressors

## CPVS 40 to 250 HP

### Compressed Air That Pays For Itself

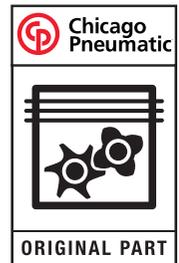
The Chicago Pneumatic Variable Speed (CPVS) compressor allows you to save operating costs when your application does not require the compressor's full capacity. Artificial intelligence automatically maintains designated pressure and provides only the air that your system requires. As a result, you save energy and money. The CPVS is great as a stand-alone machine or networked to a base-load CP compressor where it can function as a trim machine.

Gear Drive					
Model	CPVS-40	CPVS-50	CPVS-60	CPVS-75	CPVS-95
HP	40	50	60	75	100
Min-Max acfm @ 100 psig	55 - 189	70 - 233	81 - 271	110 - 350	136 - 443
Sound Level (dBa)	73	73	74	72	78
L x W x H (in.)	56 x 42 x 65	56 x 42 x 65	56 x 42 x 65	65 x 42 x 65	65 x 42 x 65
Base Weight (lbs.)	1852	2028	2040	2646	3058

Gear Drive					
Model	CPVS-100	CPVS-125	CPVS-150	CPVS-200	CPVS-250
HP	100	125	150	200	250
Min-Max acfm @ 100 psig	142 - 492	172 - 562	152 - 673	180 - 937	173 - 1071
Sound Level (dBa)	75	77	75	72	74
L x W x H (in.)	73 x 42 x 65	73 x 42 x 65	88 x 42 x 63	110 x 59 x 76	117 x 64 x 79
Base Weight (lbs.)	3616	3652	4101	6614	7826

### Standard Features:

- Low sound enclosure
- 60-138 psig (20-30 HP)
- 60-157 psig (40-250 HP)
- 30-100% capacity
- Networking capability
- ES3000 electronic microprocessor (20-30 HP)
- ES4000 graphic controller (40-125 HP)
- Airlogic electronic microprocessor (150-250 HP)
- 460V, TEFC motor
- Heavy duty, 2-stage pre-filtration
- Axial cooling fan (40-125 HP)
- Centrifugal cooling fan (150-250 HP)



## Designed To Last

Every CPVS comes with a rugged, Vacon variable speed drive that does much more than simply control the speed of the motor. The VSD comes completely programmed and wired, so time spent on installation and set-up are minimized. The VSD also includes, as standard, a removable LCD display, integrated cooling fans, built-in line reactor and electromagnetic frequency filters as standard equipment.

## Setting The Standard

Competitive VSD compressors require external vents to keep the VSD cool during operation. Unventilated VSDs still overheat and ultimately fail in the field because they become contaminated, as dust and debris are ingested over time. The VSD on the CPVS has integrated fans which use cool air from the intake and do not require vents in the door to the electrical cabinet. So the VSD always stays cool and protected!

## Built-in Protection

The line reactor protects against voltage spikes and fluctuations, also known as “dirty voltage”. A common example occurs when generators are used to run the compressors. Voltage fluctuations from the generator cannot be adequately controlled, which will result in damage to the compressor motor and VSD. Emf (electromagnetic frequency protection) prevents electromagnetic frequency in the plant from damaging the VSD, as well as protecting plant equipment from magnetic frequencies that may be generated by the VSD.

## Variable Speed Drive CPVS 20 to 30 HP

Belt Drive			
Model	CPVS-20	CPVS-25	CPVS-30
HP	20	25	30
Min-Max acfm @ 100 psig	22 - 89	30 - 112	35 - 130
Sound Level (dBa)	64	67	69
L x H x W (in.)	47 x 32 x 48	47 x 32 x 48	47 x 32 x 48
Base Weight (lbs.)	867	887	922



## The CP Compressor Guarantee

Chicago Pneumatic (CP) is dedicated to providing high quality, reliable equipment that has stood the test of time as one of the most rugged compressors in the market. Our compressors are 100% factory tested, and we stand behind our products with one of the most competitive warranties in the industry!

- All rotary screw
- Two-stage reciprocating
- Single-stage reciprocating

**5 YEARS\***  
2 Years  
1 Year

*\*Authorized start-up required.*

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.



## Over 100 years of experience

Since 1901 the Chicago Pneumatic name has represented high-performance tools and equipment designed for an extensive range of applications. Today, Chicago Pneumatic has a global reach, with local customer centers around the world. Chicago Pneumatic products are tailored to the needs of the industrial, vehicle service, and construction markets. Every day we develop and manufacture new products that are meant to meet your demands not only today, but tomorrow as well.

To learn more about our extensive range of tools, hydraulic attachments, industrial and portable compressors, accessories and workshop equipment, please visit [www.cp.com](http://www.cp.com).

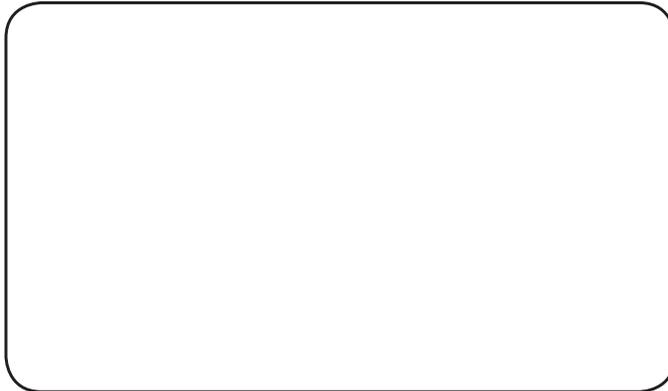
CP compressors are supported by a network of trained service technicians who can provide complete warranty support, spare parts and technical consultation. For more information on our products, please contact your CP territory sales manager or a local authorized CP distributor.



## Original parts. Your quality assurance.

The "original part" identification confirms that these components passed our strict test criteria. All parts are designed to match the compressor. They have been thoroughly tested to obtain the highest level of protection, extending the compressors' lifetime and keeping the cost of ownership to an absolute minimum. No compromises are made on reliability. The use of "original part" certified quality components helps ensure reliable operation and will not impact the validity of your warranty, unlike other parts. Look for the quality assurance seal.

DISTRIBUTED BY



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.



# Chicago Pneumatic

CP Compressors  
1800 Overview Drive  
Rock Hill, SC 29730  
1-877-861-CPAC (2722)

CP Compressors Canada  
2900 Argentina Rd. Unit 13  
Mississauga, Ontario L5N 7X9  
1-800-513-3782

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

© 2012 Chicago Pneumatic. All Rights Reserved. Content is subject to change without notice. July 2012