



**Chicago  
Pneumatic**

**CPVSeries**



**VARIABLE SPEED DRIVE  
ROTARY SCREW AIR COMPRESSORS  
20 TO 250 HP**

***High-performance products.  
Designed for you !***

# VARIABLE SPEED DRIVE ROTARY SCREW AIR COMPRESSORS 20 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.

MODEL	CPVS-20	CPVS-25	CPVS-30	CPVS-40	CPVS-50	CPVS-60
HP	20	25	30	40	50	60
Min-Max acfm @ 100 psig	22 - 89	30 - 112	35 - 130	52 - 195	52 - 234	55 - 280
Sound Level (dBA)	64	67	69	65	66	67
Length (in)	53	53	53	75	75	75
Width (in)	31	31	31	37	37	37
Height (in)	48	48	48	69	69	69
Base Weight (lbs)	953	997	1010	1874	1995	2227

MODEL	CPVS-75	CPVS-100	CPVS-125	CPVS-150	CPVS-200	CPVS-250
HP	75	100	125	150	200	250
Min-Max acfm @ 100 psig	88 - 342	90 - 518	126 - 576	152 - 673	180 - 937	173 - 1071
Sound Level (dBA)	70	66	71	75	72	74
Length (in)	88	88	88	88	117	117
Width (in)	42	42	42	42	64	64
Height (in)	63	63	63	63	79	79
Base Weight (lbs)	2679	3417	3649	4101	7826	8217

## FEATURES

- Low Sound Enclosure
- 80 -190 psig (20 - 30 hp)
- 60 -140 psig (40 - 250 hp)
- 20-100% Capacity
- Networking Capability
- Soft Start Operation
- ES3000 Electronic Microprocessor (20-30 hp)
- Airlogic Electronic Microprocessor (40-250 hp)
- 460V, TEFC Motor
- Heavy Duty, 2-Stage Pre-Filtration



## 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.

## SETTING THE STANDARD

Competitive VSD compressors require external vents to keep the VSD cool during operation. These 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.



## THE CP COMPRESSOR GUARANTEE

CP Compressors is dedicated to providing the highest quality, most reliable equipment for your compressed air application and we stand behind our promise with one of the most competitive STANDARD warranties in the industry!

- All Rotary Screw **5 YEARS**
- Two-Stage Reciprocating **2 Years**
- Single-Stage Reciprocating **1 Year**

*No contracts or service agreements. Authorized start-up required.*

CP Compressors is supported by a network of trained service centers who can provide complete warranty support, spare parts and technical consultation. For more information on our compressed air products, please contact your local authorized CP Compressor distributor or representative.



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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