



**Chicago  
Pneumatic**

**CPVSeries**



**High Performance Products.  
Designed For You!**

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

# 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	55 - 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
- Electronic Microprocessor Control
- 460V, TEFC Motor
- Heavy Duty, 2-Stage Pre-Filtration



## HOW A VSD COMPRESSOR SAVES MONEY

Studies show that over 80% of all applications run at less than 80% of the compressor's full load. Fixed speed compressors produce their full load capacity, regardless of demand, so customers must waste the air they don't need- which also costs money!

As an efficient variable speed drive compressor, the CPVS qualifies for all energy-savings rebates and incentive programs which can help provide a rapid return on investment!

## THE PERFECT COMPRESSOR

The success of your business can depend on the reliability of your compressed air. You can rest assured that the CPVS will provide you with everything you need.

## QUALITY AIR

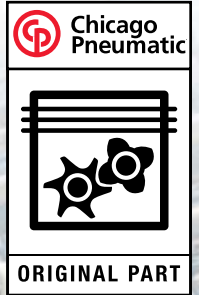
- Inlet pre-filters reduce the velocity of inlet air and begin separating contaminants
- The heavy-duty inlet filter is made from an industrial grade composite, removing particles greater than 2 micron with 99.7% efficiency
- The separator removes lubricant in 3 stages so the compressor discharges clean, quality air

## INTELLIGENT OPERATION

- The compressor automatically shuts-down when there is no demand
- Microprocessor controls protect the compressor and system components
- VACON VSD automatically adjusts air flow while holding pressure constant

## SILENT, ENERGY SAVING OPERATION

- Use of turbine fan lowers operating costs while reducing noise pollution
- Industry-leading efficiency means low power consumption, reducing electrical costs
- Minimum pressure drop and full low-sound enclosure
- Separate air/oil coolers create high efficiency package cooling



## 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           | <b>5 YEARS</b> |
| • 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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