

# CPVsd 21-34

Variable Speed Direct Drive Rotary Screw Air Compressors



People  
Passion  
Performance



Chicago  
Pneumatic

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

# Variable Speed Direct Drive Rotary Screw Air Compressors

## CPVSd 21-34 (20-35 hp)

### Compressed Air That Pays For Itself

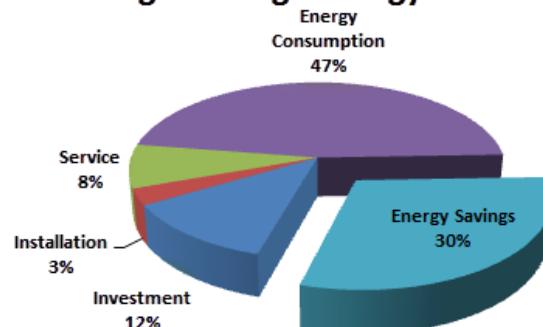
The Chicago Pneumatic Variable Speed direct drive compressor (CPVSd) allows you to save operating costs when your application does not require the compressor's full capacity. The ES4000 Standard Controller automatically maintains your desired system pressure and provides only the air that your system requires on a smooth consistent basis. Variable speed technology coupled with a direct drive transmission results in energy savings of up to 30%. The CPVSd can function as a stand-alone machine or networked to a base-load compressor where it can function as a trim machine.

### Standard Features:

- Low sound enclosure, as quiet as 68 dB with optional silencing baffle
- Direct drive transmission for energy savings and reduced maintenance cost
- 73-182 psig pressure range
- 20-100% turndown capacity
- ES4000 Standard controller
- 460V standard
- IP55 TEFC High Frequency Motors designed for variable speed use
- Heavy duty, 2-stage pre-filtration
- Shipped with synthetic oil
- Easily accessible integrated inverter drives
- Stable pressure due to Variable Speed drive
- EControl 6i capable
- ICONS capable



### Savings Through Energy Efficiency



### Savings Through Energy Features

Energy cost represent about 70% of the total operating cost of your compressor over a five (5) year period. That is why reducing the operating cost of a compressed air solution should be a major focus. Variable frequency driven compressors can "cut" your energy bill by up to 30%.

## Intelligent Savings

The CPVSD 21-34 series is managed by the ES4000 Advanced, an electronic control unit programmed for energy saving operation with intelligent shutdown. The ES4000 Advanced control can be programmed to shutdown in accordance with your plant air demand and reduce long periods of unloaded operation, reducing power cost. The ES4000 Advanced control feature can save a customer hundreds of dollars per year.



The ES4000 Advanced constantly monitors compressor operation and notifies you before a problem occurs!

### Features:

- Automatic restart after voltage failure
- I/O Expandable
- Real Time Trending
- Master Control Capability
- Remote Visualization
- Graphic Display
- Graphic Service Plan Indicator

## CPVSD

Model	CPVSD 21	CPVSD 25	CPVSD 29	CPVSD 34
Horsepower	20	25	30	35
Min-Max acfm @ 100 psig	28.7 - 101.6	28.3 - 125.1	29 - 139.9	29.6 - 148.1
Sound Level (dBA)	68	70	71	71
Base Mount L x W x H (in)	47.2 x 32.9 x 48			
Net Wt. (lb)	728	782	816	850
Base Mount w/Dryer L x W x H (in)	53.1 x 32.9 x 48			
Net Wt. (lb)	838	904	937	971
Tank Mount L x W x H (in)	76.4 x 32.9 x 72.2			
Net Wt. (lb)	1113	1169	1202	1236
Tank Mount w/Dryer L x W x H (in)	76.4 x 32.9 x 72.2			
Net Wt. (lb)	1224	1290	1323	1357

CPVSD pressure can be set between 73 and 182 psig.

### Options:

- **Food Grade Oil** for food & beverage applications
- **Super Silencing Baffle** option available on field kit: extra -2 dB(A)
- **Water Separator w/ Float Drain**
- **EControl 6i Central Control**
- **ICONS Connectivity**



## 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           | 1 Year with option to extend to 5 Years* |
| • Two-stage reciprocating**  | 2 Years                                  |
| • Single-stage reciprocating | 1 Year                                   |

\*Screw compressors are supported by our CP Secure 1-Year Warranty with the option to extend to a full 5-year warranty (authorized start-up required and regular maintenance with factory authorized fluids and parts).

\*\*Excluding Two-stage Gasoline Drive Contractor Series which are covered for 1 year.

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).

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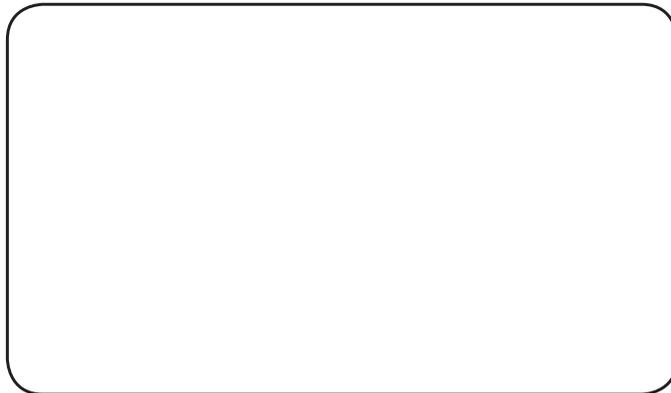
## Care. Trust. Efficiency.

**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.

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/PNEUROPN2CPTC2 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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