

CPVSd 21-29 (20-30 hp)

Variable Speed - Direct
Drive - Rotary Screw
Compressors



People. Passion. Performance.



CPVSd 21-29 (20-30hp) Variable Speed Direct Drive Rotary Screw Compressors

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 Touch 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.



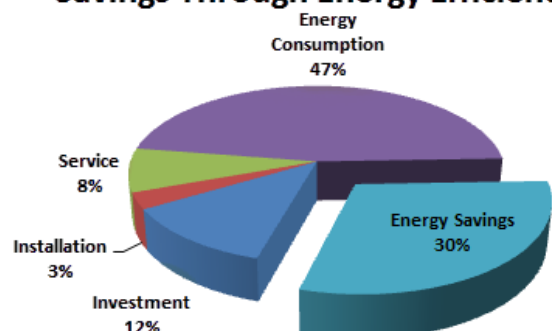
Standard Features

- 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 Touch 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 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%.

Savings Through Energy Efficiency



Equipped with the ES4000Touch controller bringing you a next-level, rugged and intuitive display.

The new ES4000Touch is an incredible state-of-the-art compressor controller. But more than this, it means ease of use, peace of mind, and performance optimisation. In combination with our ICONS Intelligent Connectivity System, the ES4000Touch allows you to improve both the reliability and efficiency of your production process.

- ▶ Big, easy to use 4" touch control with a simplified lay-out
- ▶ The compressor is protected with sensors to immediately alert you when something is wrong
- ▶ Clear overview of all parameters and service intervals



- ▶ Plan maintenance interventions at the right time, guarantee system uptime and eliminate breakdown risks
- ▶ Designed for intuitive use in heavy duty environments

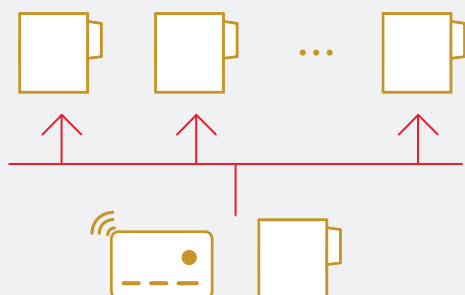


ICONS

Increased uptime, Powered by icons

With the Intelligent CONnectivity System (ICONS), data and insights are delivered straight from your machines to your computer, tablet or smartphone.

The new range of compressors can be fully connected.



EControl6i

The optional ECO6i controller allows you to optimize both workload and energy consumption.

Do you operate more than 2 compressors? The ES4000Touch can act as a master controller thanks to its built-in **EControl6i** functionality. Reduce service costs by evenly distributing running hours over your compressors and save energy by using one pressure band for your entire compressor room.

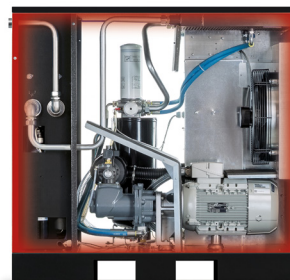
Performance Data

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

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
- ES4000 Advanced Controller
- EControl 6i Central Control (requires Advanced Controller)



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.



Since 1901, Chicago Pneumatic has delivered reliability with a deep understanding of customer needs. We are a global manufacturer of high-performance power tools, air compressors, generators, light towers, and hydraulic equipment for professional and industrial applications. Our products are engineered for performance and lasting customer value.

People. Passion. Performance. This is our promise.



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.



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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



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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Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.