

Screw Compressors

CPVSd



People.
Passion.
Performance.



Chicago
Pneumatic

About Chicago Pneumatic

Since 1901, the **Chicago Pneumatic** name has represented reliability and attention to customer needs, as a global manufacturer of power tools, air compressors, generators, light towers, and hydraulic equipment for professional and industrial applications. It represents products that are engineered for high performance. In addition to pioneering design, high-impact technology and durability, **Chicago Pneumatic** means **customer value**.

Our people start every single day with a passion to research, develop, manufacture and deliver new products that are meant to meet your needs not only today, but tomorrow as well.

All this has come together because we have consistently practiced our brand promise:

People. Passion. Performance.



People. Passion. Performance.



For Chicago Pneumatic, it isn't just about products. We value our end-users' and distributors' **performance**, and do our ultimate best to make it **easy to work** with us while providing **reliable products with a passion**.

- **Broad product portfolio** of robust compressors & tools
- **Decades of experience & innovation**
- **100% committed** distributor partnership







This is how we keep you productive at all times, meeting the needs of professionals in vehicle service, general industry and construction around the globe.

People. Passion. Performance.

Define your needs,

Going for our extensive offer of oil-injected screw compressors below 30kW, you choose for **reliable performance**, **trustworthy technology** and **increased efficiency**. These ranges are also suitable for more demanding applications and can be deployed in harsh working conditions.



Noise level	 Silent: 69-77 dB(A)
Vessel size	 0, 500 L*
FAD	 300-6000 l/min
Power	 10-50hp 7,5-37 kW
Pressure	 5,5 - 12,5 bar
Weight	 280-925 kg

User benefits

- Inverter technology perfectly matching the air flow with the air demand saving energy costs up to 30%
- Highly efficient element ensures low energy consumption and long term performance
- Highly efficient belt transmission reducing energy consumption
- Direct driven transmission for further energy saving (CPVsd)
- Protects your air network against rust and corrosion thanks to integrated solutions (dryer, air filter,...)
- User-friendly controller for full control

CPVsd Series 10-50 Hp / 7.5-37 kW direct driven



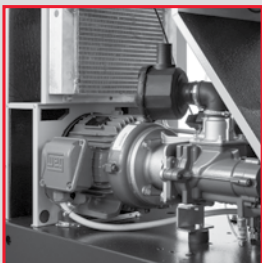
CPVsd 25Hp - 500 L + Dryer

Optimize your energy consumption

Introducing direct driven transmission in its variable speed range of compressors, Chicago Pneumatic sets a new milestone in compressed air. The new design, fully dedicated to variable speed applications, grants a maximum of energy saving, very high flexibility, and very low ownership costs.

Thanks to the air receiver (available up to 35 hp), the integrated dryer and the quality air devices available, you can complete your installation in a very compact and cost competitive way.

A wide range of options make these machines easy to customize and tailored to meet each customer's needs.



Low noise levels

Both the new elements (direct coupled) combined with the deep sound insulation results in a very low sound level



Easy and fast maintenance

Fast and easy serviceability, all the service components placed close to front panel



ES4000

A unique control unit, specially programmed for energy saving. ES4000 advanced as option



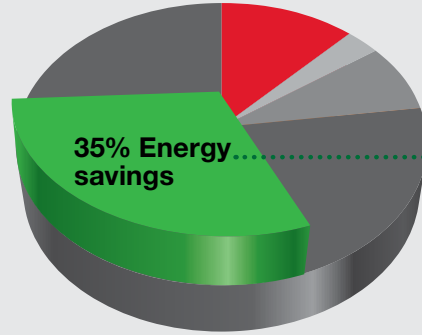
Energy saving

The new generation of elements combined with the new converters and the highly efficient transmissions result in high flexibility and efficiency

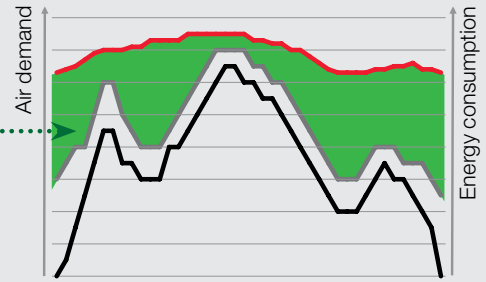


Quality air package

CPVsd is available with dryer, water separator drain and post filter for improved quality air.



- 12% investment
- 3% installation
- 8% Service
- 77% Energy consumption



- Air demand
- Variable frequency driven costs
- Load Unload costs
- Savings

Direct drive for outstanding efficiency

The direct driven transmission combined with the high frequency motor result in a very wide turn down and very low specific energy requirement at each speed. The new generation of air ends with very strict tolerances grant outstanding volumetric efficiency resulting in a very low energy consumption.



Technical Table	* l/min		HP		Bar	** dB(A)	L x W x H (mm)
	min @7bar	max @7bar	HP	kW	Bar	dB(A)	
Base Mounted				Base Mounted (+ Dryer)			
CPVSd 10	272	1225	10	7.5	5.5-12.5	62	995 x 655 x 1045 (1415 x 655 x 1045)
CPVSd 15	265	1823	15	11	5.5-12.5	64	995 x 655 x 1045 (1415 x 655 x 1045)
CPVSd 20	258	2217	20	15	5.5-12.5	65	995 x 655 x 1045 (1415 x 655 x 1045)
CPVSd 10-20 is also available installed on a 270L or 500L air vessel							
CPVSd 21	780	2911	20	15	5.5-12.5	68	1200 x 835 x 1220 (1350 x 835 x 1220)
CPVSd 25	780	3505	25	18,5	5.5-12.5	70	1200 x 835 x 1220 (1350 x 835 x 1220)
CPVSd 29	780	3920	30	22	5.5-12.5	71	1200 x 835 x 1220 (1350 x 835 x 1220)
CPVSd 34	780	4158	35	26	5.5-12.5	72	1200 x 835 x 1220 (1350 x 835 x 1220)
CPVSd 21-34 is also available installed on a 500L air vessel + dryer, dimensions: 1940 x 835 x 1835							
CPVSd 30	767	4050	30	22	5.5-12.5	68	1320 x 830 x 1555 (1320 x 830 x 1555)
CPVSd 35	767	4617	35	26	5.5-12.5	69	1320 x 830 x 1555 (1320 x 830 x 1555)
CPVSd 40	1000	5450	40	30	5.5-12.5	70	1320 x 830 x 1555 (1810 x 830 x 1555)
CPVSd 50	1067	6000	50	37	5.5-12.5	71	1320 x 830 x 1555 (1810 x 830 x 1555)

For weights and part numbers, please contact your local customer center.

All units are also available in 60 Hz, please contact your local sales representative for more information.

* Unit performance measured according to ISO 1217, Annex C, latest edition

** Noise level measured according to ISO 2151:2004 using ISO 9614/2

