Chicago Pneumatic



CPBg 35-50 hp
CPVSd 35-50 hp

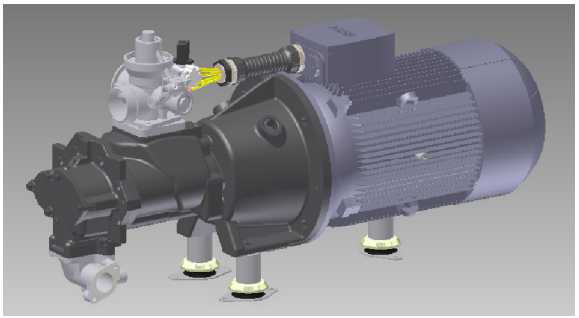
People. Passion. Performance.

35-50 hp Rotary Screw Compressors
The range that meets all your requirements

With the CPBg and CPVSd range you obtain an efficient, reliable and complete solution which fits a wide range of compressed air requirements.

A wide offer

- Available power sizes: 35-40-50 hp (CPBg & CPVSd)
- 4 pressure variants for CPBg: 100-125-150-175 psig (fixed speed)
- 1 pressure variant: 73-188 psig for CPVSd (variable speed)



High efficiency transmissions

- Reduced energy consumption compared to belt driven technology
- Longer service intervals compared to belt technology
- CPBg are gear drive fix speed units
- CPVSd are direct drive variable speed units

Easy accessibility and installation

- Easy to service thanks to the large hinged doors and removable panels
- Easy to install thanks to a high variety of configurations and scope of supply
- D variant available with integrated dryer and coalescing filter
- Low noise levels and compactness: can be installed close to the workplace

Highly efficient air intake filtration and oil separation

- Fresh air taken from the cold side of the compressor to improve efficiency
- Two micron encapsulated intake filters guarantee only clean air enters the compressor
- Spin on oil separation for 35 hp and internal separator with over sized oil vessel for 40 and 50 hp for a pressure drop < 3.6 psig



Optimal ventilation and oversized cooler

- Cooling flow results in a lower working temperature
- A separated air flow offers you an efficient motor and inverter cooling together with a long life time of oil, components and compressor
- Optimal ventilation flow is assured with low energy consumption
- Oversized oil and air coolers for better cooling and lower operating temperature

Gear Drive Rotary Screw Air Compressors
CPBg 35-50 hp

Reliable Compressed Air For Serious Professionals

Experience the innovation and worry-free operation of the Chicago Pneumatic gear drive series of rotary screw air compressors. Pre-filtered air intake and reduced voltage starting mean low operating and maintenance costs. Standard enclosure and ease of maintenance produce an environment that lets you focus on your business, not your compressor!

Standard Features:

- Low sound enclosure and pre-filtration panel with foam
- 100, 125, 150 and 175 psig available
- Rapid, single-panel maintenance
- Wye-delta, reduced voltage start
- ES4000 microprocessor control
- Standard IP 55 class F IE3 dual voltage 230-460 motor
- Independent oil and air aftercoolers
- Temperature protection on drive side motor bearings
- Improved long life inlet valve
- Shipped with mineral oil
- ASME and cUL approved





Variable Speed Direct Drive Rotary Screw Air Compressors
CPVSd 35-50 hp

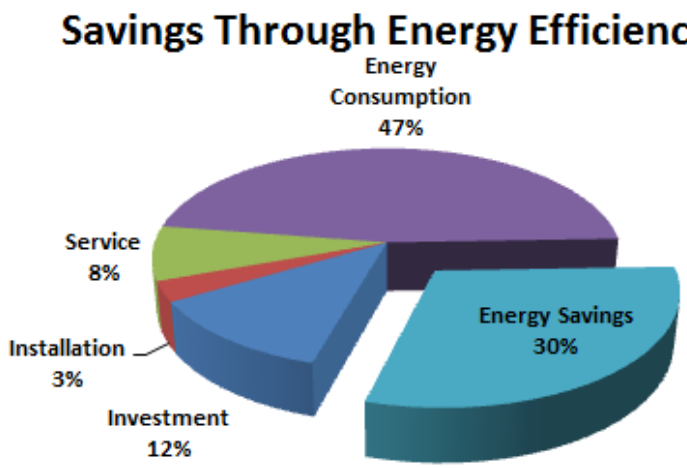
Compressed Air That Pays For Itself

The Chicago Pneumatic Variable Speed direct drive (CPVSd) 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 CPVSd is great 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
- 73-188 psig pressure range
- 20-100% turndown capacity
- Networking capability
- ES4000 advanced controller
- IP 54 designed for converter duty motors (460V, TEFC)
- Heavy duty, 2-stage pre-filtration
- Shipped with synthetic oil
- EMC filter and line reactor
- Easily accessible integrated inverter drive
- Optimized cooling system to improve electronic device reliability





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%.

Rotary Screw Air Compressors with Integrated Dryer & Coalescing Filter
CPBg D 35-50 hp & CPVSd D 35-50 hp



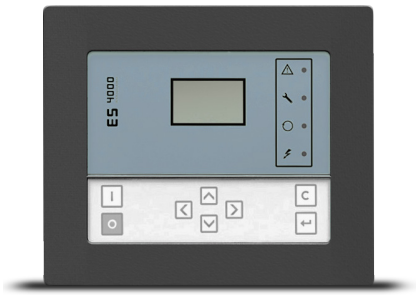
Additional Features and Benefits
(Integrated Dryer and Coalescing Filter)

- New oversized dryer installed in the cold part of the unit to ensure maximum amount of moisture removal
- Integrated coalescing filter (0.01 micron)
- Integrated Electronic Zero Loss drain for efficient removal of condensate
- Reduced condensate meaning less pipe corrosion and particulate carry-over
- Simple maintenance
- All in one design
  - Reduced footprint
  - Compact design compressor can be placed closer to point of use
  - Improved compressed air quality with integrated dryer and filter
  - No installation cost for air treatment: already connected (leak free)
  - Piping design allows for less pressure drop and less energy consumption

Intelligent Savings

The CPBg series is managed by the ES4000 Standard while the CPVSd series is managed by the ES4000 Advanced. These electronic control units are programmed for energy saving operation with intelligent shutdown. The ES4000 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 control feature can save a customer hundreds of dollars per year.

ES4000 Standard



Features:

- Automatic Restart After Voltage Failure
- I/O Expandable
- Service Warnings
- Remote Pressure Sensor Possible
- Remote Monitoring

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

ES4000 Advanced



Features:

- Graphic Display
- Automatic Restart After Voltage Failure
- I/O Expandable
- Graphic Service Plan Indicator
- Real Time Trending
- Daily/Weekly Schedule
- Remote Monitoring
- Master Control Capability

Options

- **Canopy Heater** for low temperature installation (down to 14 °F)
- **Energy Recovery** to recover up to 70% of the electrical energy consumption as warm water
- **Phase Sequence Control (CPBg only)** protects the compressor and avoids motor damages when the power supply is not reliable
- **Electrical Main Switch**
- **Synthetic Oil (standard with CPVSd)**
- **Food Grade Oil** for food & beverage applications
- **Super Silencing Baffle** option available on field kit: extra -2 dB(A)
- **ES4000 Advanced (standard on CPVSd)**
- **EControl 6i Central Control**

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).*

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.

Technical Data

CPBg

Model	CPBg (D)-35	CPBg (D)-40	CPBg (D)-50
Horsepower	35	40	50
acfm @ 100 psig	168	189	213
acfm @ 125 psig	154	175	205
acfm @ 150 psig	138	161	176
acfm @ 175 psig	128	143	164
Sound Level (dBA)	69	70	71
Base Mount L x W x H (in)	53 x 31 x 62	53 x 31 x 62	53 x 31 x 62
Net Wt. (lb)	1014	1235	1373
Base Mount w/Dryer L x W x H (in)	53 x 31 x 62	72 x 31 x 62	72 x 31 x 62
Net Wt. (lb)	1179	1501	1640

D variant includes integrated dryer and one integrated coalescing filter;

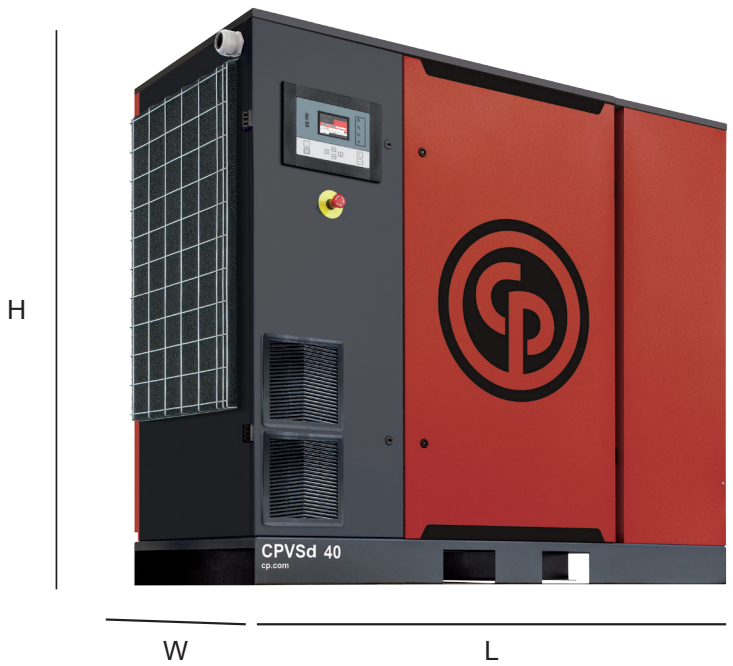
CPBgs scope of supply includes ES4000 (LCD) and mineral oil.

CPVSd

Model	CPVSd (D)-35	CPVSd (D)-40	CPVSd (D)-50
Horsepower	35	40	50
Min-Max acfm @ 100 psig	27-164	35-193	37-212
Sound Level (dBA)	69	70	71
Base Mount L x W x H (in)	53 x 31 x 62	53 x 31 x 62	53 x 31 x 62
Net Wt. (lb)	979	1085	1134
Base Mount w/Dryer L x W x H (in)	53 x 31 x 62	72 x 31 x 62	72 x 31 x 62
Net Wt. (lb)	1131	1338	1387

CPVSd pressure can be set between 73 and 188 psig;

CPVSds scope of supply includes ES4000 Advanced and synthetic oil.





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.

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ORIGINAL PART

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 orgnaization is how Original Parts and Service make the difference.

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MEMBER OF CAGI Compressed Air & Gas Institute

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.

Chicago Pneumatic

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