



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).



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.



Original parts. Your quality assurance.

The “original part” identification confirms that these components passed our strict test criteria. All parts are designed to match the compressor. They have been thoroughly tested to obtain the highest level of protection, extending the compressors’ lifetime and keeping the cost of ownership to an absolute minimum. No compromises are made on reliability. The use of “original part” certified quality components helps ensure reliable operation and will not impact the validity of your warranty, unlike other parts. Look for the quality assurance seal.

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/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.



QRS 20-30 HP  
CPVS 20-30 HP

People. Passion. Performance.



# QRS Belt Drive Rotary Screw Air Compressors

## QRS 20 to 30 HP

The QRS 20-30 HP is a rotary screw compressor that combines stealth with superior performance. Ideal for automotive and industrial applications, the QRS series is engineered and built to support the most demanding requirements.



Standard Features:

- Low sound enclosure
- 100-175 psig models
- Wye-Delta, reduced voltage start
- ES3000 microprocessor controller
- Continuous operating capability
- Tri-voltage, TEFC Motor
- Space saving design, <12 sq. ft.
- NEMA 1 electrical protection
- Vibration isolated assembly
- Integrated dryer option available
- Available tank mounted 120 gal. – standard or integrated dryer models
- Includes discharge coalescing filter (with dryer option only)
- Permanently aligned belt drive system

Intelligent Savings

ES3000

The QRS 20-30 and the CPVS 20-30 are managed by the ES3000 controller, an electronic control unit programmed for energy saving operation with intelligent shutdown. The ES3000 steadily monitors the operation and maintenance cycles and notifies you before a problem occurs. Temperatures and pressures can be readily viewed.



Model	QRS-20 HP(D)	QRS-25 HP(D)	QRS-30 HP(D)
HP	20	25	30
acfm @ 100 psig	85	105	124
acfm @ 125 psig	80	100	117
acfm @ 150 psig	71	90	104
acfm @ 175 psig	59	78	91
Sound Level (dBa)	70	73	75
Base Mount L x W x H (in.)	47 x 32 x 48	47 x 32 x 48	47 x 32 x 48
Net Wt. / Shipping Wt. (lbs.)	807 / 898	827 / 918	862 / 953
Base Mount w/Dryer L x W x H (in.)	65 x 32 x 48	65 x 32 x 48	65 x 32 x 48
Net Wt. / Shipping Wt. (lbs.)	978 / 1069	988 / 1079	1022 / 1113
Tank Mount L x W x H (in.)	71 x 32 x 73	71 x 32 x 73	71 x 32 x 73
Net Wt. / Shipping Wt. (lbs.)	1201 / 1292	1245 / 1336	1285 / 1376
Tank Mount w/Dryer L x W x H (in.)	71 x 32 x 73	71 x 32 x 73	71 x 32 x 73
Net Wt. / Shipping Wt. (lbs.)	1301 / 1392	1345 / 1436	1380 / 1471

Options:

- Mounted 120 gal. receiver tank
- Integrated refrigerated dryer

# CPVS Belt Drive Variable Speed Rotary Screw Air Compressors

## CPVS 20 to 30 HP

The CPVS 20-30 HP variable speed compressors maintain a constant air pressure and will adjust the motor speed to meet your plant's air demand. Variable speed drives are most efficient and reduce operating costs when operating between 40% and 85% capacity.



Standard Features:

- Vacon variable speed drive
- Standard or integrated dryer
- Available tank mounted – 120 gal. standard or integrated dryer
- Up to 80% turndown
- Removable control pad on variable speed drive

Built-in Protection

The line reactor protects against voltage spikes and fluctuations, also known as “dirty voltage”. A common example occurs when generators are used to run the compressors. Voltage fluctuations from the generator cannot be adequately controlled, which will result in damage to the compressor motor and VSD. EMF (electromagnetic frequency protection) prevents electromagnetic frequency in the plant from damaging the VSD, as well as protecting plant equipment from magnetic frequencies that may be generated by the VSD.



Model	CPVS-20 HP(D)	CPVS-25 HP(D)	CPVS-30 HP(D)
HP	20	25	30
Min-max acfm @ 100 psig	22 - 89	30 - 112	35 - 130
Sound Level (dBa)	69	72	74
Base Mount L x W x H (in.)	47 x 32 x 48	47 x 32 x 48	47 x 32 x 48
Net Wt. / Shipping Wt. (lbs.)	867 / 958	887 / 978	922 / 1013
Base Mount w/Dryer L x W x H (in.)	65 x 32 x 48	65 x 32 x 48	65 x 32 x 48
Net Wt. / Shipping Wt. (lbs.)	1038 / 1129	1048 / 1139	1082 / 1173
Tank Mount L x W x H (in.)	71 x 32 x 73	71 x 32 x 73	71 x 32 x 73
Net Wt. / Shipping Wt. (lbs.)	1261 / 1352	1305 / 1396	1345 / 1436
Tank Mount w/Dryer L x W x H (in.)	71 x 32 x 73	71 x 32 x 73	71 x 32 x 73
Net Wt. / Shipping Wt. (lbs.)	1361 / 1452	1405 / 1496	1440 / 1531



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.