

QRS 3-7.5 & 10-20

Belt Drive Rotary Screw Air Compressors



People
Passion
Performance

 Chicago
Pneumatic

QRS 3-20 Belt Drive Rotary Screw Air Compressors

The Quiet Rotary Screw (QRS)

Engineered for high performance, efficiency and reliability, the Chicago Pneumatic line of QRS (Quiet Rotary Screw) air compressors can meet the compressed air demands of a tire shop, maintenance shop, vehicle body shop, paint shop or automotive dealership. With its whisper quiet design the QRS can be installed almost anywhere, and is offered with an optional mounted dryer (with tank mounted option only). The QRS is the leading rotary screw compressor for light industrial applications.



Model	QRS-3.0 HP(D)	QRS-5.0 HP(D)	QRS-7.5 HP(D)	QRSM-10 HP(D)	QRS-10 (D)	QRS-15 (D)	QRSM-20 (D)
Horsepower	3	5	7.5	10	10	15	20
acfm @ 125 psig	N/A	N/A	N/A	N/A	40.0	56.5	62.7
acfm @ 150 psig	8.5	16.6	21.2	33.0	35.2	51.0	59.9
Sound Level (dBA)	61	62	64	66	65	69	71
Base Mount L x W x H (in)	25 x 24 x 38	25 x 24 x 38	25 x 24 x 38	25 x 25 x 39	34 x 27 x 39	34 x 27 x 39	34 x 27 x 39
Net Wt. / Shipping Wt. (lb)	218 / 293	231 / 306	243 / 318	353 / 459	375 / 481	408 / 514	441 / 547
Tank Mount L x W x H (in)	57 x 24 x 50	57 x 24 x 50	57 x 24 x 50	57 x 26 x 51	77 x 27 x 58	77 x 27 x 58	77 x 27 x 58
Net Wt. / Shipping Wt. (lb)	342 / 448	351 / 457	362 / 468	496 / 602	589 / 695	622 / 728	655 / 761
Tank Mount w/Dryer L x W x H (in)	57 x 24 x 50	57 x 24 x 50	57 x 24 x 50	57 x 26 x 51	77 x 27 x 58	77 x 27 x 58	77 x 27 x 58
Net Wt. / Shipping Wt. (lb)	412 / 518	425 / 531	437 / 543	573 / 679	667 / 773	699 / 805	732 / 838

Standard Features:

- Low sound enclosure
- 150 psig standard (3-10M)
- 125 & 150 psig standard (10-20M, 100 & 175 available with kit)
- Continuous operating capability
- 60 gal. ASME/CRN receiver tank (3-10M)
- 132 gal. ASME/CRN receiver tank (10-20M)
- Single phase 230 TEFC motor (3-7.5)
- 3-phase, 208-230/460V and 575V, TEFC Motor (3-20M)
- Start/stop operation
 - QRS 3-10M 3-phase
- Load/no-load operation with timed shutdown
 - QRS 5.0-7.5 HP single phase
 - QRS 10-20M
- UL, cUL and CSA approved control panel
- 5 year warranty with authorized start-up
- Spin-on oil filter and separator
- NEMA 1 electrical protection
- Vibration isolated assembly



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

QRS 10-20M Fixed Speed Rotary Screw Air Compressor

Equipped with the latest generation of screw element for improved free air delivery and efficiency

Easy to use, efficient, and reliable, the QRS 10-20M range meets the compressed air demands of tire shops, paint shops, car dealers, maintenance shops and more. The range is quiet by design, allowing it to be installed almost anywhere in the workshop, without disturbing your working environment. Base mounted or tank mounted, with or without dryer, and with 100-175 psig pressure variants available, the QRS is a complete solution for your business.



Introducing the ES4000 Basic Controller

The QRS 10-20M is managed by the ES4000 basic controller, an electronic control unit programmed for energy saving operation with intelligent shutdown. The ES4000 controller makes operation very simple with warning and service alarms.

Features:

- Icon based display with pressure and temperature settings/readings
- Running and working hours
- Service warnings
- Element outlet temperature reading
- Automatic restart after voltage failure



**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.*

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QRS 3-7.5 & 10-20

Belt Drive Rotary Screw Air Compressors



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Horsepower	3	5	7.5	10	10	15	20
acfm @ 125 psig	N/A	N/A	N/A	N/A	40.0	56.5	62.7
acfm @ 150 psig	8.5	16.6	21.2	33.0	35.2	51.0	59.9
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Standard Features:

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- 150 psig standard (3-10M)
- 125 & 150 psig standard (10-20M, 100 & 175 available with kit)
- Continuous operating capability
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- 132 gal. ASME/CRN receiver tank (10-20M)
- Single phase 230 TEFC motor (3-7.5)
- 3-phase, 208-230/460V and 575V, TEFC Motor (3-20M)
- Start/stop operation
 - QRS 3-10M 3-phase
- Load/no-load operation with timed shutdown
 - QRS 5.0-7.5 HP single phase
 - QRS 10-20M
- UL, cUL and CSA approved control panel
- 5 year warranty with authorized start-up
- Spin-on oil filter and separator
- NEMA 1 electrical protection
- Vibration isolated assembly



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Introducing the ES4000 Basic Controller

The QRS 10-20M is managed by the ES4000 basic controller, an electronic control unit programmed for energy saving operation with intelligent shutdown. The ES4000 controller makes operation very simple with warning and service alarms.

Features:

- Icon based display with pressure and temperature settings/readings
- Running and working hours
- Service warnings
- Element outlet temperature reading
- Automatic restart after voltage failure



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QRS 20-30

Belt Drive Rotary Screw Air Compressors



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Performance



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QRS Belt Drive Rotary Screw Air Compressors

QRS 20 to 30 HP

The QRS 20-30 is a rugged, rotary screw compressor that combines proven design with superior performance. Ideal for automotive and industrial applications, the QRS is engineered and built to support the most demanding requirements. Every QRS 20-30 can be supplied either base mounted or tank mounted on a 132 gallon receiver tank, and with or without an integrated air dryer. This option can save vital floor space and provide a continuous supply of quality compressed air. Installation into every application is quick and easy - simply supply power to the electrical panel, connect your discharge piping and you'll have instant access to high quality compressed air.

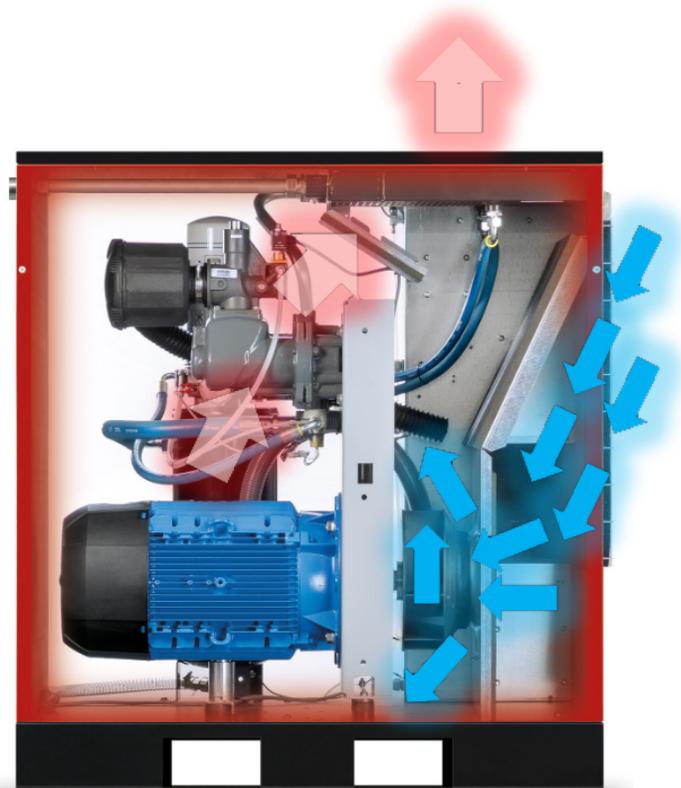
Model	QRS-20	QRS-25	QRS-30
Horsepower	20	25	30
acfm @ 100 psig	93.2	109.8	128.2
acfm @ 125 psig	82.2	99.4	113.8
acfm @ 150 psig	78.4	91.7	103
acfm @ 175 psig	69.3	84.5	97.5
Sound Level (dBA)	67	69	70
Base Mount L x W x H (in)	45 x 31 x 49	45 x 31 x 49	45 x 31 x 49
Weight (lb)	690	723	758
Base Mount w/Dryer L x W x H (in)	55 x 31 x 49	55 x 31 x 49	55 x 31 x 49
Weight (lb)	798	831	866
Tank Mount L x W x H (in)	75 x 31 x 72	75 x 31 x 72	75 x 31 x 72
Weight (lb)	904	937	972
Tank Mount w/Dryer L x W x H (in)	75 x 31 x 72	75 x 31 x 72	75 x 31 x 72
Weight (lb)	1,012	1,045	1,080

Standard Features:

- Low sound enclosure
- 100, 125, 150 and 175 psig
- Wye-Delta, reduced voltage start
- ES4000 Basic Controller
- Continuous operating capability
- 3-phase, 208-230/460V and 575V, TEFC Motor
- Space saving design, <16 sq. ft.
- Load/no-load with intelligent shutdown
- Spin-on oil filter and separator
- NEMA 1 electrical protection
- Vibration isolated assembly
- UL and cUL approved control panel
- Permanently aligned belt drive system
- 5 year warranty with authorized start-up

Efficient Cooling - Pressurized Canopy Design

- Designed to run in ambient temperatures up to 115°F
- Radial fan is coupled directly to the main motor giving no margin for failure
- Easy access for cooler cleaning
- Compressor inlet receives cool air directly from the radial fan for better efficiency

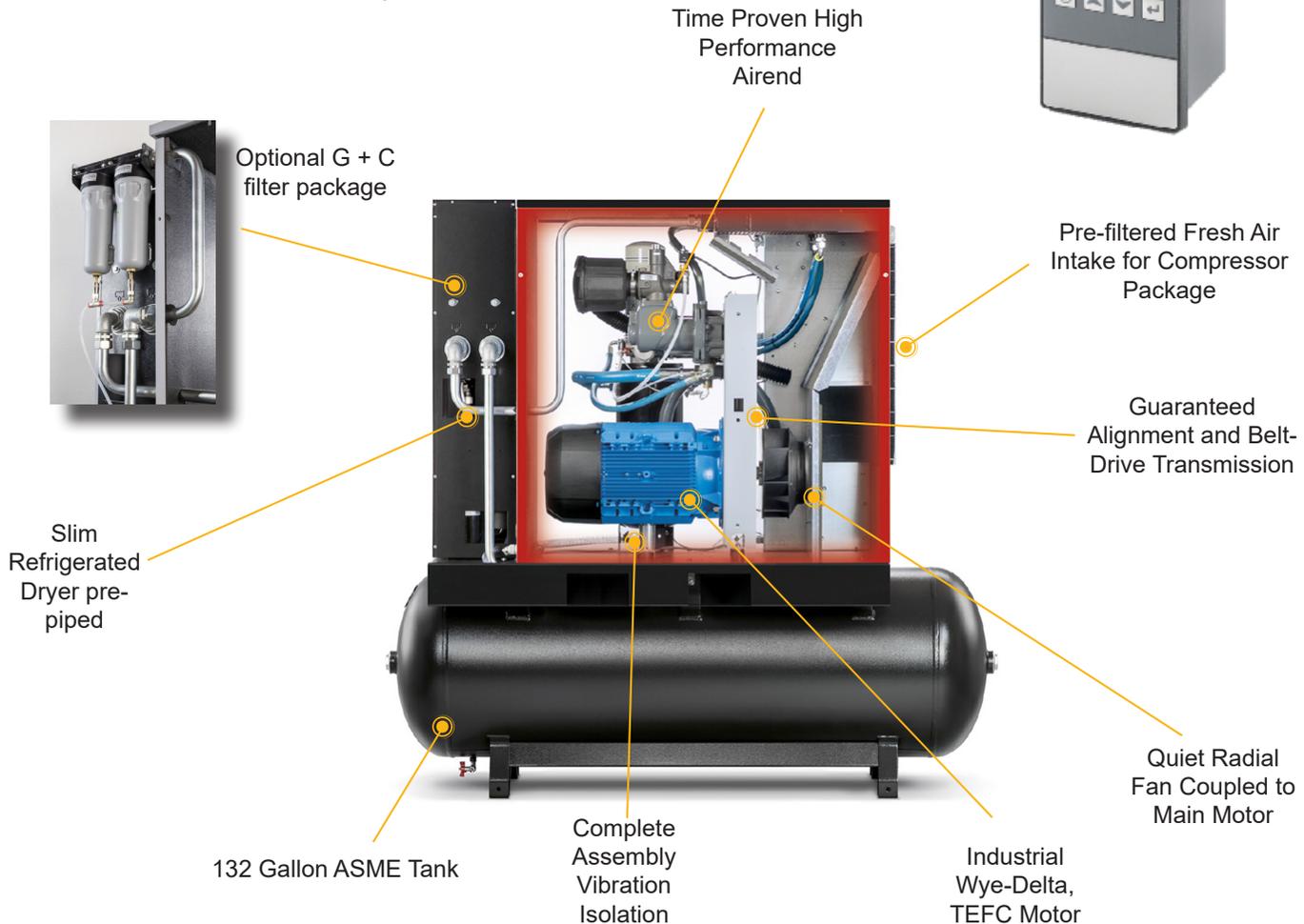


The ES4000 Basic Controller

The QRS 20-30 is managed by the ES4000 basic controller, an electronic control unit programmed for energy saving operation with intelligent shutdown. The ES4000 controller makes operation very simple with warning and service alarms.

Features:

- Icon based display with pressure and temperature settings/readings
- Running and working hours
- Service warnings
- Element outlet temperature reading
- Automatic restart after voltage failure



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

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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

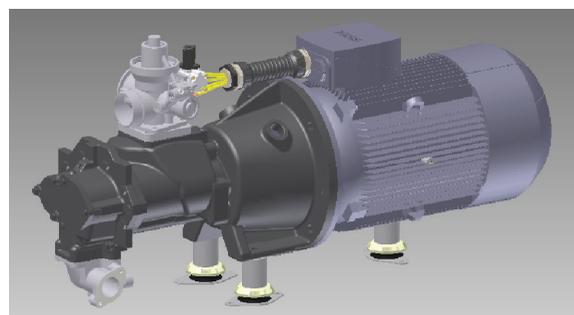
- Easy to service thanks to the large hinged doors and removable panels
- Easy to install thanks to a high variety of configurations and scope of supply
- D variant available with integrated dryer and coalescing filter
- Low noise levels and compactness: can be installed close to the workplace

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



Optional
Super Silencing Baffle:
-2 dB(A)



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

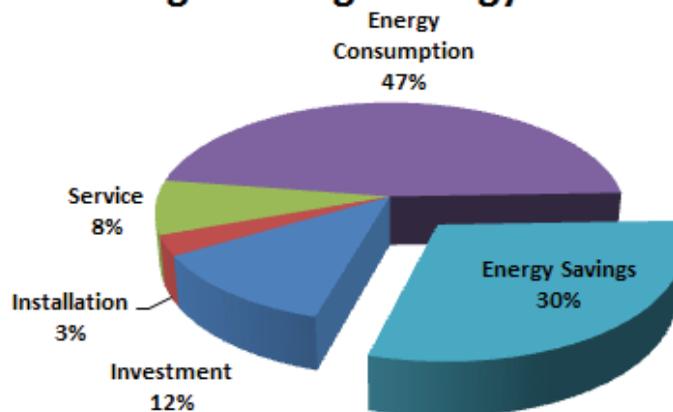
The Chicago Pneumatic Variable Speed direct drive (CPVSd) compressor allows you to save operating costs when your application does not require the compressor's full capacity. Artificial intelligence automatically maintains designated pressure and provides only the air that your system requires. As a 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 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%.

Rotary Screw Air Compressors with Integrated Dryer & Coalescing Filter

CPBg D 35-50 hp & CPVSd D 35-50 hp



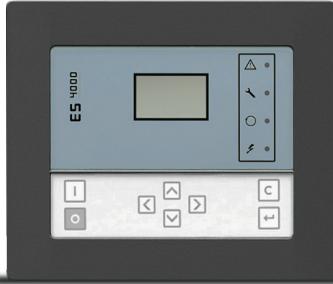
Additional Features and Benefits (Integrated Dryer and Coalescing Filter)

- 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



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

ES4000 Advanced



Features:

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

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)**
- **ECOControl 6i Central Control**



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| • Two-stage reciprocating | 2 Years |
| • Single-stage reciprocating | 1 Year |

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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;

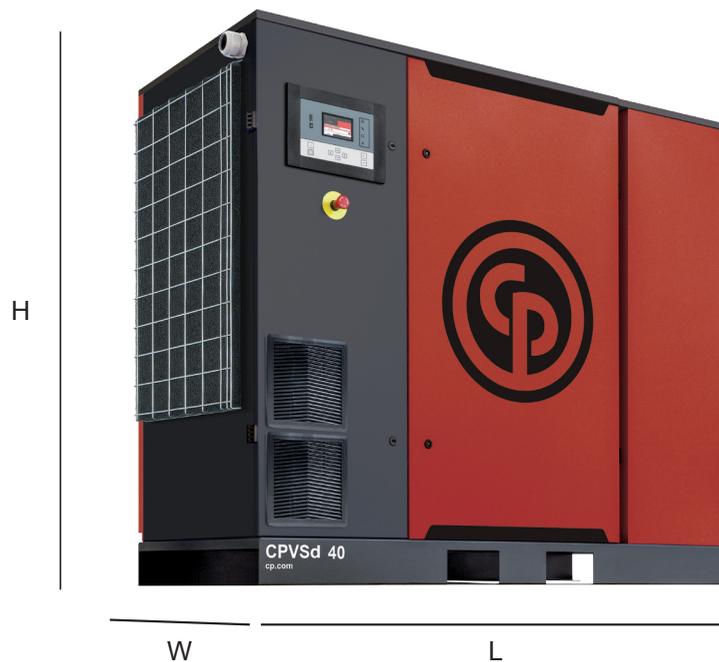
CPBgs scope of supply includes ES4000 (LCD) and mineral oil.

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.





**Chicago
Pneumatic**



CPE/CPF Series

People. Passion. Performance.

Gear Drive Rotary Screw Air Compressors

100 to 200 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!

Model	CPE-100	CPE-120	CPE-150	CPF-175	CPF-200
hp	100	125	150	175	200
acfm @ 100 psig	492	562	740	837	999
acfm @ 125 psig	439	517	701	806	911
acfm @ 150 psig	422	473	644	732	822
acfm @ 175 psig	363	420	545	600	701
Sound Level (dBA)	75	77	72	75	73
L x W x H (in)	84 x 42 x 64	84 x 42 x 64	92 x 42 x 64	113 x 59 x 76	112 x 63 x 78
Base Weight (lb)	3461	3527	3990	5732	6239

Standard Features:

- Low sound enclosure
- 125 psig readily available
- 100, 150 and 175 psig also available
- Wye-delta starter and TEFC motor are standard
- ES4000 Advanced microprocessor control (CPE 100–150 HP)
- Airlogic controller (CPF 175–200 HP)
- 230/460V (CPE 100–120 HP) and 575V (CPE 100–120 HP)
- 460V or 575V (CPE 150–CPF 200 HP)
- Separate oil and aftercoolers
- Temperature protection on drive side motor bearings (CPE 100–120 HP)
- Air/oil sump tank with temperature protection
- Flexible drive coupling (CPF series)
- Improved long life inlet valve
- Latest design minimum pressure/oil stop value
- Shipped with 8,000 hour lubricant as standard



CPE-150

Features:

- +5% reduction in specific energy
- Lower sound level
- Standard radial fan & air intake panel



Gear Drive Rotary Screw Air Compressors

CPF 270 to 340 hp

Reliable Compressed Air For Demanding Industrial Applications

Model	CPF-270(A)	CPF-340(A)	CPF-270(W)	CPF-340(W)
Power in hp	270	340	270	340
acfm @ 100 psig	1,241	1,377	1,241	1,377
acfm @ 125 psig	1,112	1,306	1,112	1,306
acfm @ 150 psig	1,024	1,205	1,024	1,205
acfm @ 200 psig	904	N/A	904	N/A
Sound Level in dB(A)	77	78	75	75
L x W x H (in)	133 x 83 x 95			
Base Weight (lb)	10,384	10,538	9995	10,454

Standard Features:

- Low sound enclosure
- Single air-end with latest asymmetric profile
- CSA/UL approved electrical panel; NEMA I
- Air-cooled and water-cooled models
- TEFC motor standard
- Wye-delta starter standard, 460V
- Spin-on oil filters
- Hinged air/oil separator lid
- Air-cooled: two 2.3 hp cooling fans
- Water-cooled: stainless steel plates & frame
- Integrated moisture separator with automatic drain and manual back-up
- Heavy duty inlet unloader valve; less parts and lower pressure drop
- ANSI discharge air flange—4 in/150 lb
- Load/no-load control
- Heavy duty 3 micron inlet filter
- ES4000 Advanced microprocessor control

Options:

Phase sequence relay, electronic condensate drain, energy recovery, anti-condensation heater, modulating control, SPM monitoring.



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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.

Intelligent Savings

The CPE series and CPF 270–340 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:

- Graphic Display
- Automatic Restart After Voltage Failure
- I/O Expandable
- Graphic Service Plan Indicator
- Remote Pressure Sensor Possible
- Real Time Trending
- Remote Monitoring
- Master Control Capability



The CPF 175–200 is managed by the Airlogic control unit, which is also programmed for energy saving operation and intelligent shutdown.



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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For more information,
call 210.632.6320





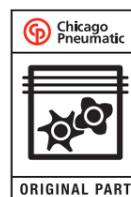
Over 100 years of experience

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.



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



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CPE/CPF Series

People. Passion. Performance.

airtec.global

Gear Drive Rotary Screw Air Compressors

100 to 200 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!

Model	CPE-100	CPE-120	CPE-150	CPF-175	CPF-200
hp	100	125	150	175	200
acfm @ 100 psig	492	562	740	837	999
acfm @ 125 psig	439	517	701	806	911
acfm @ 150 psig	422	473	644	732	822
acfm @ 175 psig	363	420	545	600	701
Sound Level (dBA)	75	77	72	75	73
L x W x H (in)	84 x 42 x 64	84 x 42 x 64	92 x 42 x 64	113 x 59 x 76	112 x 63 x 78
Base Weight (lbs)	3461	3527	3990	5732	6239

Standard Features:

- Low sound enclosure
- 125 psig readily available
- 100, 150 and 175 psig also available
- Wye-delta starter and TEFC motor are standard
- ES4000 Advanced microprocessor control (CPE 100 - 150 HP)
- Airlogic controller (CPF 175-200 HP)
- 230/460V (CPE 100 - 120 HP) and 575V (CPE 100 - 120 HP)
- 460V or 575V (CPE 150 - CPF 200 HP)
- Separate oil and aftercoolers
- Temperature protection on drive side motor bearings (CPE 100 - 120 HP)
- Air/oil sump tank with temperature protection
- Flexible drive coupling (CPF series)
- Improved long life inlet valve
- Latest design minimum pressure/oil stop value
- Shipped with 8,000 hour lubricant as standard



CPE-150

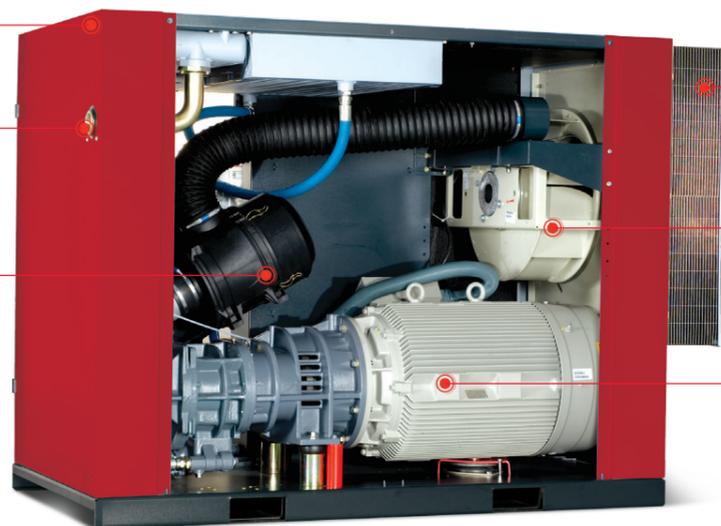
Features:

- +5% reduction in specific energy
- Lower sound level
- Standard radial fan & air intake panel

Low sound enclosure

Side compressed air discharge for easy installation

Easy access maintenance



Heavy duty, pre-filtered intake

Quiet centrifugal fan provides high efficiency cooling (CPE 150 & CPF 175-200 HP)

TEFC motor and gear drive airend ensure reliable performance

CPE 150 - CPF 200

Intelligent Savings

The CPE 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:

- Graphic Display
- Automatic Restart After Voltage Failure
- I/O Expandable
- Graphic Service Plan Indicator
- Remote Pressure Sensor Possible
- Real Time Trending
- Remote Monitoring
- Master Control Capability



The CPF 175-200 is managed by the Airlogic control unit, which is also programmed for energy saving operation and intelligent shutdown.



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.



**Chicago
Pneumatic**



CPG 350 to 500 HP Series

People. Passion. Performance.

Gear Drive Rotary Screw Air Compressors

CPG 350 to 500 HP

Superior Compressed Air Solution For Demanding Industries

Maximize your productivity with an optimum compressed air solution provided by the CPG series of compressors. Built-in cooling provides improved performance, reliable transmission for energy savings and an advanced monitoring system ensure you get the most from your compressed air system! The CPG series provides minimum operating cost, easy installation and simplified maintenance.

Model	CPG-350(A)	CPG-350(W)	CPG-450(A)	CPG-450(W)	CPG-500(A)	CPG-500(W)
HP	350		450		500	
acfm @ 100 psig	1960		2187		2390	
acfm @ 125 psig	1811		1988		2204	
acfm @ 150 psig	1660		1759		1977	
acfm @ 200 psig	1412		1460		1657	
Sound Level (dBA)	78*	72*	82	74	87	75
L x W x H (in.)	134 x 78 x 91*	134 x 78 x 91	238 x 84 x 99	165 x 90 x 104	238 x 84 x 99	165 x 90 x 104
Base Weight (lbs.)	14,368*	12,465	20,701	17, 861	20,701	17, 861

*Varies by pressure range

Standard Features:

- Fully enclosed low sound enclosure
- Single air-end with latest asymmetric profile (CPG 350)
- Twin air-end with latest asymmetric profile (CPG 450-500)
- Dual air/oil separators and tanks
- Wye-delta starter, 460V (2300V and 4160V; require remote starters and panel)
- TEFC motor standard 460V (2300V and 4160V motors available)
- Dual cooling fans (CPG 350)
- Quad cooling fan system (CPG 450-500)
- Dual spin-on oil filter cartridges (CPG 350)
- Six spin-on oil filter cartridges (CPG 450-500)
- Integrated moisture separator with automatic & manual drains
- Heavy duty inlet unloader has less parts and lower pressure drop (CPG 350)
- Dual heavy duty inlet unloader (CPG 450-500)
- Elektronikon microprocessor controller



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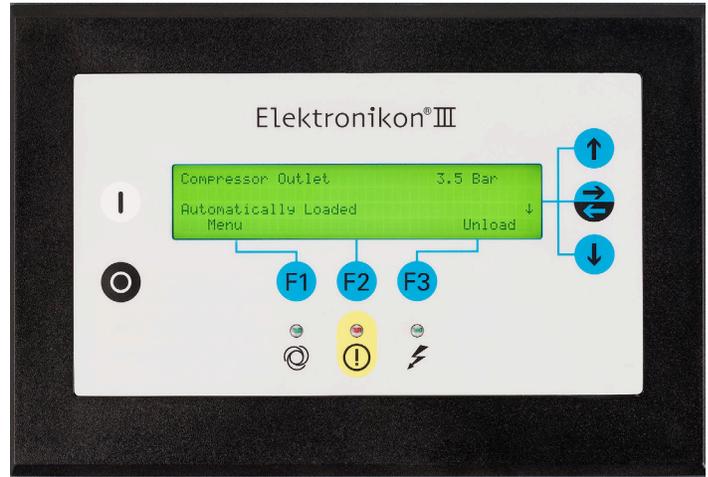
- | | |
|------------------------------|--|
| • All rotary screw | 1 Year with option to extend to 5 Years* |
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Advanced Elektronikon Controller

- Overall system performance status with pro-active service indications, alarms for malfunctions and safety shutdowns
- Multi-language selectable display
- All monitoring and control functions via one interface
- Wide communication possibilities
- Integration possible in many process control systems (field bus system)



Precision-made cooling fans, aftercoolers and (optional)water-cooling technology increase compressor life and reduce downstream condensate

Advanced monitoring controller for accurate control of your compressed air system

Industrial-grade filtration protects your equipment from dust and harmful contaminants

Two-stage separation system ensures optimum air quality and maintains the integrity of the lubricant

Gear-drive transmission for perfect alignment, reduced vibration and more efficient performance

Easy to remove panels give quick access to all service points, reducing downtime for maintenance intervals

High efficiency, wye-delta, TEFC continuous-duty motor capable of operating in high ambient temperatures

