



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) or 575V (CPE 100–120) 460V or 575V (CPE 150–CPF 200)
- Separate oil and aftercoolers
- Temperature protection on drive side motor bearings (CPE 100–120)
- 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	133 x 83 x 95	133 x 83 x 95	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 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.



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!

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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 |

*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.



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/PNEUROPP 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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