



**Chicago
Pneumatic**



**Screw Compressors
40 - 150HP**

People. Passion. Performance.

www.mfcp.com

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, Our

Our 40-150 hp oil-injected screw compressor offer is vast, yet the full range always guarantees solid performance thanks to high quality components and innovative design.

“The standard in the industry”

BELT DRIVEN



Noise level	 Silent: 75 dB(A)
FAD	 242 - 305 cfm
Power	 75 hp
Pressure	 125 - 175 psi

User benefits

- Compact solution
- Easy maintenance is a one-man job
- Solid quality and long lasting belts
- Highly reliable belt tensioning system
- User-friendly operation

Broad Offer Does The Rest

“Maximized productivity”

GEARBOX DRIVEN



Noise level		Silent: 67-78 dB(A)
FAD		148-740 cfm
Power		40 - 150 hp
Pressure		100 - 175 psi

User benefits

- Reduced energy consumption, better performance
- Improved efficiency
- In-house designed air end guarantees quality operations
- Cost savings on maintenance and energy consumption
- Integrated solutions (dryer, energy recovery)

“Top value through energy efficiency”

INVERTER DRIVEN



Noise level		Silent: 74-77 dB(A)
FAD		127-674 cfm
Power		100 - 150 hp
Pressure		60 - 175 psi

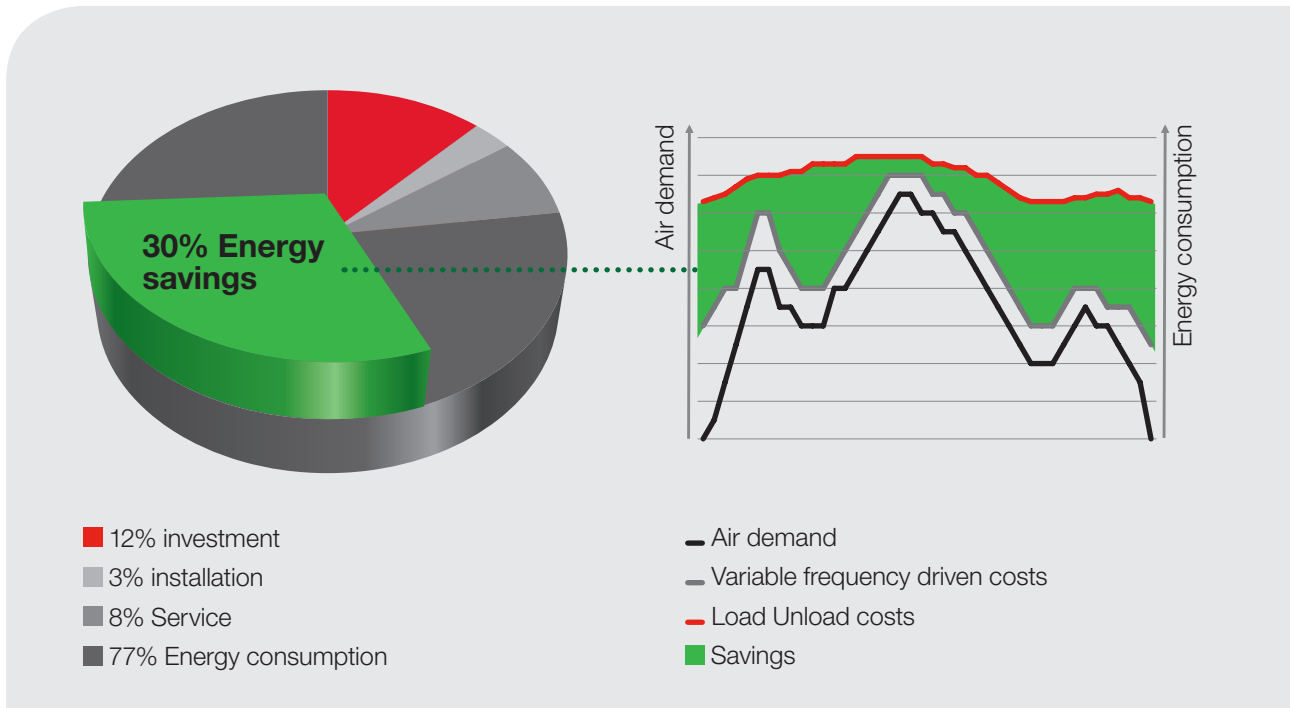
User benefits

- Cut your energy bill by 30%
- Optimal efficiency perfectly matching the air flow
- Quick return on investment
- Full-colour graphical controllers (standard for IVR)
- Integrated solutions (energy recovery)

All models have UL, cUL and CSA approved control panels.

We Protect Your Efficiency

Energy costs represent about 70% of the total operating cost of your compressor over a 5 year period. That's why reducing the operating cost of a compressed air solution is a major focus. Variable frequency driven compressors can cut the energy bill of your compressor by up to 30%.



Variable speed compressors reduce the energy consumption through:

Air End

The unique in-house designed air end with 4/6 screw profile results in:

- Optimum energy efficiency over the entire speed range
- No internal leakages in the compression chambers

Motor

Superior quality and efficiency are guaranteed thanks to:

- Smart transmission engineering to minimize the internal loads resulting in longer bearing lifetime
- A perfect match between screw technology and gear-box resulting in no long term losses
- Robust design using casted, heavy duty components

Variable Speed

Thanks to the variable speed technology you can save up to 30% on energy cost because of:

- A perfect match of air demand and air supply
- No unload cycles above 20% load
- No peak currents thanks to soft start up

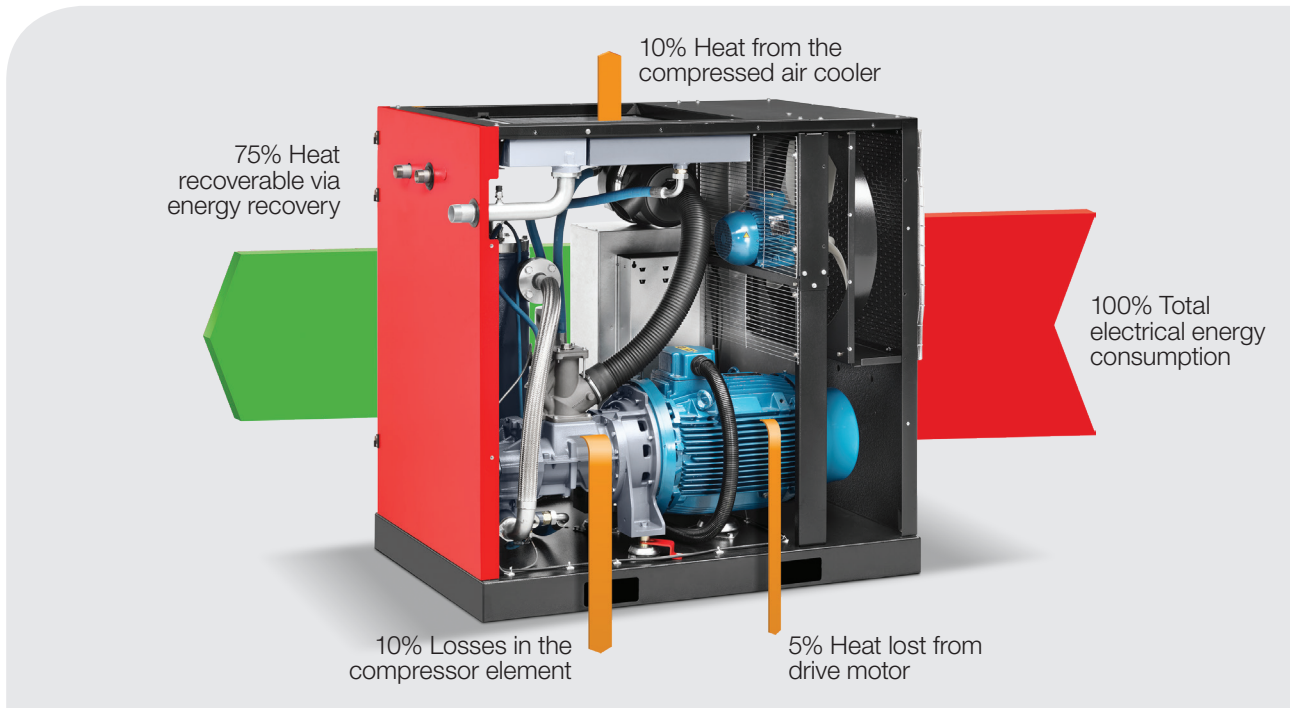
Controller

The full colour ES4000T controller brings intelligent saving features thanks to

- Optimal zone control
- Integrated sequencer up to 6 compressors
- No pressure fluctuations thanks to instant pressure logging and communication with compressor drive
- Dual pressure band operation
- Built-in online monitoring

We Recover Your Energy

When air is compressed, heat is formed. The excess heat can be captured with an energy recovery option and channelled to other applications allowing you to save energy and cut costs.



Heat recovery - Recover 75% of your energy

In the case of water-cooled or air-cooled compressors, the oil circuit is pre-cooled with an oil/water heat exchanger. Water then becomes the fluid transport media to recover the oil temperature. The hot water resulting from this process can be used to heat radiators or water boilers, pre-heat supply water or hot tap water, and other industrial applications. The energy recovery option integrates a heat exchanger on the oil circuit, which heats up the continuously pressurized water flow. The system is regulated automatically, and in case of limited water cooling capacity, the standard cooling system of the compressor will operate and backup the energy recovery device. The energy recovery option is a simple mechanical system that requires no maintenance or electricity consumption, but offers you significant reductions in your energy costs.

Variable Speed Compressors CPVS Series 100 - 150 HP



Maximize productivity with reliable compressed air solutions

The variable speed compressor series allows you to find the perfect match between air demand and air supply. Thanks to the variable speed technology, the energy cost can be reduced by 30%. Due to the robust design of the gear driven transmission, you can rely on high quality compressed air in the most demanding applications.

Components are carefully selected assuring quality and reliability. Moreover, installation and maintenance is kept simple thanks to the easy accessibility. Last but not least, cooling performance is guaranteed by the oversized cooler package. A high efficiency cooling fan is designed to deliver a high cooling flow at low noise level.

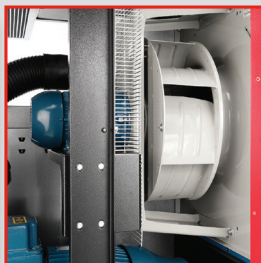


CPVS 120



Frequency converter

Compact, robust and reliable Imperium converter with IP5X protection rating (CPVS 100-150)



Radial fan (optional)

High efficiency cooling flow at reduced noise level



Integrated dryer

Saves space and guarantees top air quality



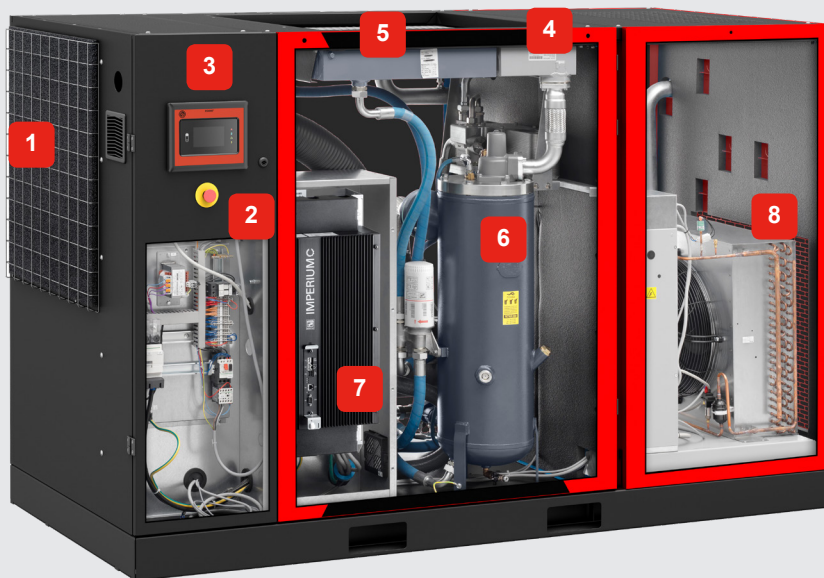
Energy recovery (optional)

75% of heat can be captured with energy recovery.



ES4000 Touch (standard)

Easy-to-use, graphical touchscreen display with integrated connectivity (ICONS) to optimize and save energy.



Robust and powerful compressor with integrated solutions

- 1 Filtration panel
- 2 Emergency stop
- 3 Controller
- 4 Air cooler
- 5 Oil cooler
- 6 Oil-separator vessel
- 7 Inverter
- 8 Integrated dryer

Technical Table

Model	HP	PSI	cfm min	cfm max	dB(A)	Weight (lbs.)	L x W x H (in.)
CPVS 100	100	150	139	515	75	3616	84 x 42 x 64
CPVS 120	125	150	162	573	77	3682	84 x 42 x 64
CPVS 150	150	150	127	674	74	4189	92 x 42 x 64

*For specifications, please consult your local sales representative

Gearbox Driven Compressors CPC / CPD / CPE 40 - 150 hp

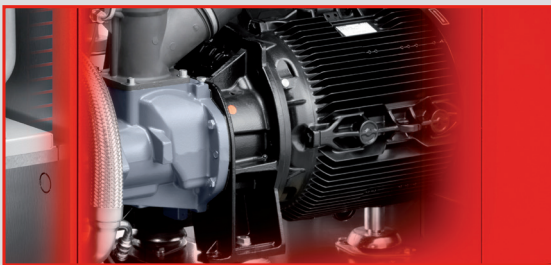


Maximize productivity with reliable compressed air solutions

Thanks to the robust design of the gear driven range, you can rely on high quality compressed air for the most demanding applications. The maintenance-free heavy duty gear drive eliminates losses and maximizes productivity.

While components are carefully selected assuring quality and reliability, installation and maintenance is kept simple thanks to the easy accessibility. On top, cooling performance is guaranteed by the oversized cooler package and the high efficiency cooling fan is designed to deliver a high cooling flow at a low noise level.

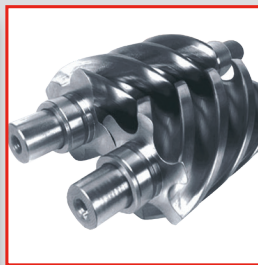
CPCg 40



Maintenance-free drive train

Premium performance through:

- Eliminating transmission losses & optimizing running cost.
- Reducing bearing loads resulting in longer lifetime and extended service intervals



In-house designed air ends

Unique 4/6 screw profile for premium performance.



Radial fan (CPCg 40-60)

Contributes to more silent and energy efficient operations.



ES4000 Touch (standard)

Easy-to-use, graphical touchscreen display with integrated connectivity (ICONS) to optimize and save energy.



Robust and powerful compressor

- 1 Motor
- 2 Air end
- 3 Radial fan* (CPC 40-60 G)
- 4 Air filter
- 5 Coolers
- 6 Integrated dryer

*Axial fan on the rest of the range

Technical Table

Type	HP	cfm				Start	dB(A)	Weight (lbs)	L x W x H (in)
		100 psi	125 psi	150 psi	175 psi				
Base mounted 460/3/60*									
CPCg 40	40	194	180	160	148	Y/D	67	1168	52 x 32.7 x 61.2
CPCg 50	50	240	219	199	188	Y/D	70	1391	52 x 32.7 x 61.2
CPCg 60	60	281	263	238	217	Y/D	72	1424	52 x 32.7 x 61.2
CPD 75 G	75	349.6	311.5	281.8	258.5	Y/D	74-75	2491	65 x 42 x 64
CPD 100 G	100	442.9	402.6	356.0	347.5	Y/D	77-78	2903	65 x 42 x 64
CPE 100 G	100	491.6	438.6	421.7	362.3	Y/D	74-75	3461	73 x 42 x 64
CPE 120 G	125	561.5	517.0	472.5	419.3	Y/D	76-77	3527	73 x 42 x 64
CPE 150 G	150	739.5	701.4	644.1	544.6	Y/D	77-78	4034	92 x 42 x 64

* Units with integrated dryer available (for CPCg 40-60 only). For specifications, please consult your local sales representative

Belt Driven Compressor CPD Series 75 hp



Your smart industry standard in easy operation and maintenance

The CPD belt-driven range of oil-injected screw compressors is the true standard in the industry.

The components have been carefully selected to assure optimal quality and reliability. While the footprint is reduced thanks to the smart transmission system and component arrangement, performance is guaranteed thanks to the in-house designed air end.



CPD 75



In-house designed air ends

Unique 4/6 screw profile for premium performance.



In-house designed transmission

Assuring perfect alignment and easy tensioning.



Robust design

Qualified, high quality reputed components.



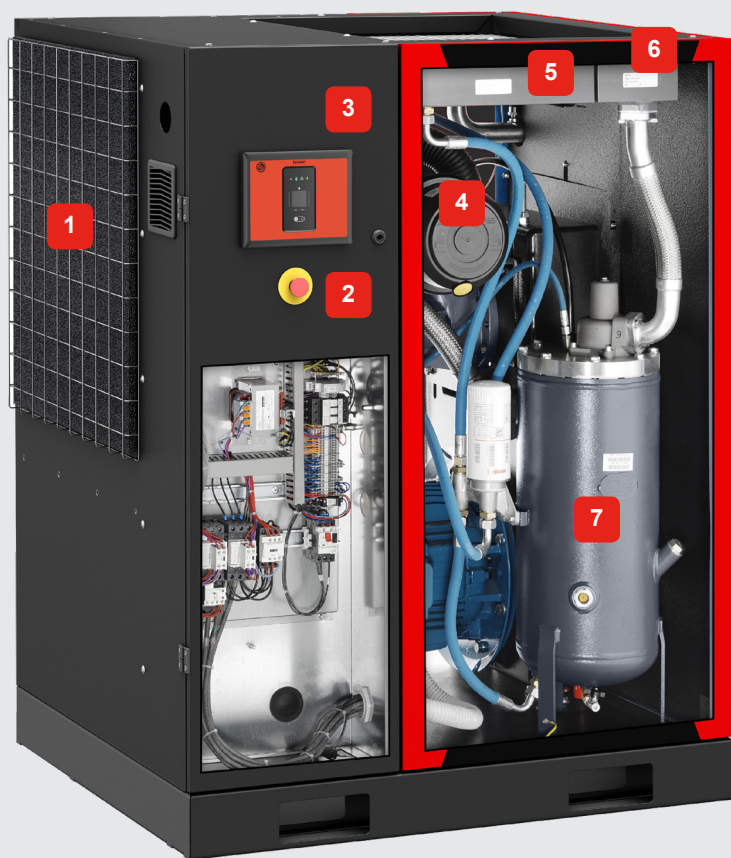
Easy service and accessibility

Removable panels with hinges to facilitate accessibility



ES4000 Touch (standard)

Easy-to-use, graphical touchscreen display with integrated connectivity (ICONS) to optimize and save energy.



Robust and powerful compressor

- 1 Filtration panel
- 2 Emergency stop
- 3 Controller
- 4 Air filter
- 5 Oil cooler
- 6 Air cooler
- 7 Oil-separator vessel

Technical Table

Type	HP	cfm			Start	dB(A)	Weight (lbs.)	L x W x H (in)
		125 psi	150 psi	175 psi				
Basemounted 400/3/50								
CPD 75	75	305	271	242	Y/D	75	2366	56 x 42 x 64

