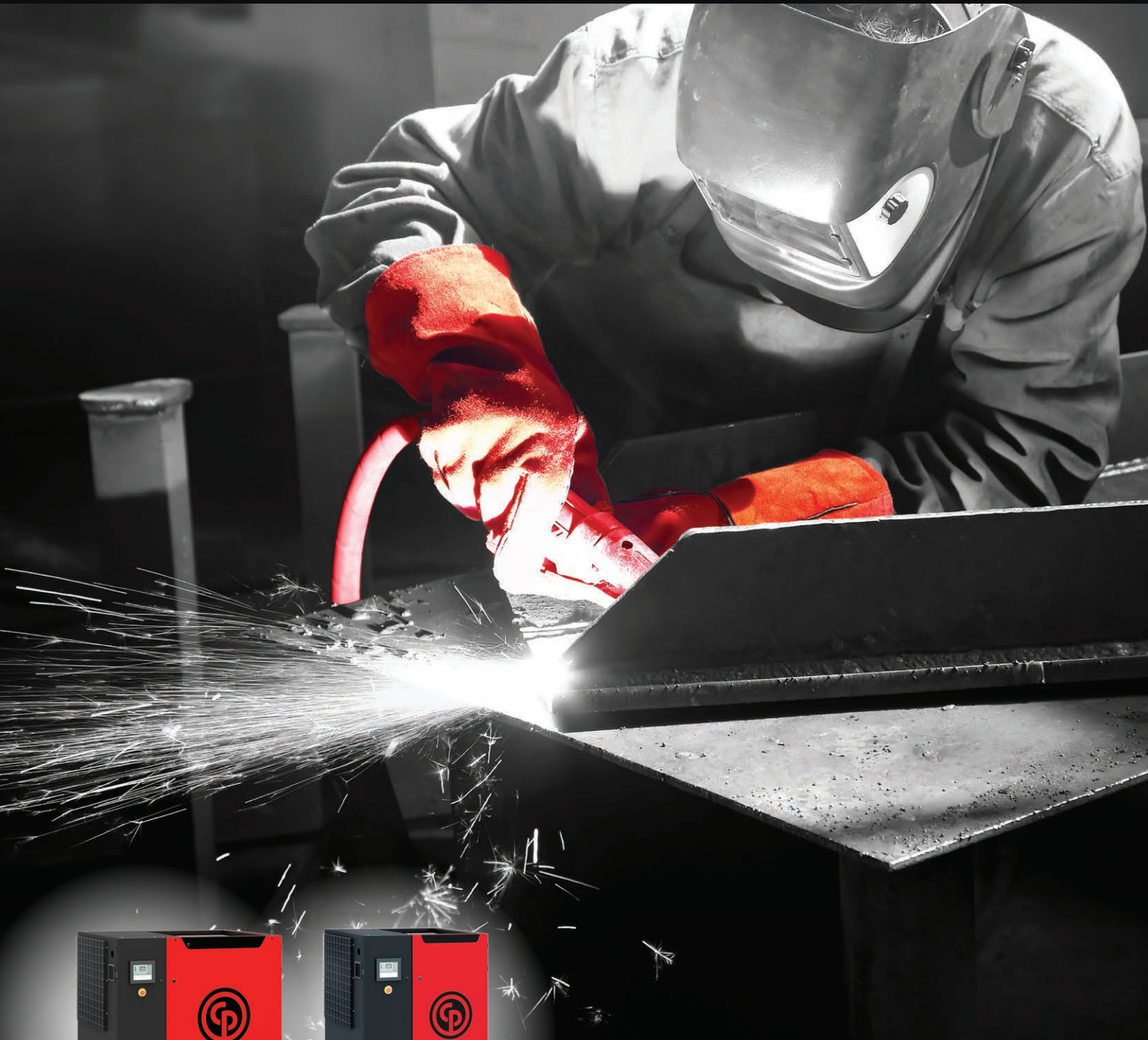




**Chicago  
Pneumatic**



**Screw Compressors  
above 30kW**

**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 broad offer does the rest

Our 30-90kW 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: 69-75 dB(A)
FAD		3500 - 11500 l/min
Power		30 - 75 kW 40 - 100 hp
Pressure		8 - 13 bar 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

### “Maximized productivity”

#### GEARBOX DRIVEN



Noise level		Silent: 69-75 dB(A)
FAD		4700 - 16200 l/min
Power		30 - 90 kW 40 - 125 hp
Pressure		7 - 13 bar 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



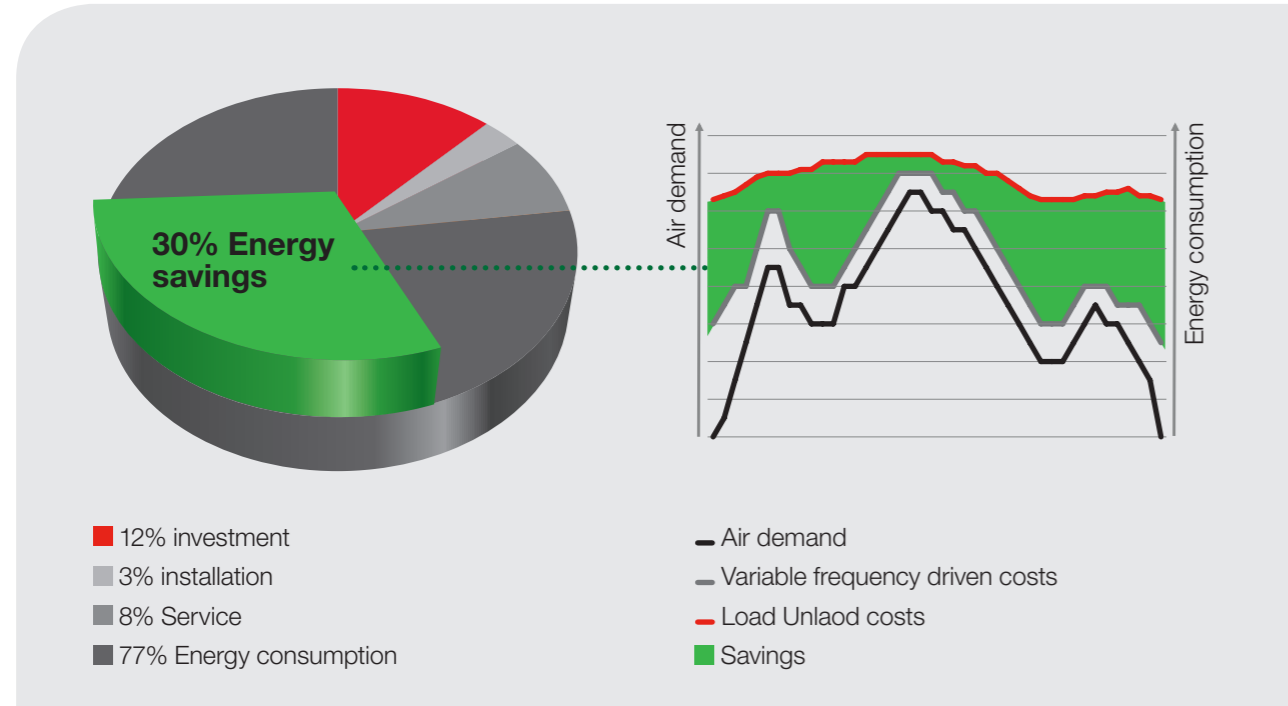
Noise level		Silent: 69-75 dB(A)
FAD		1400 - 16800 l/min
Power		30 - 90 kW 40 - 125 hp
Pressure		4 - 13 bar 60 - 175 psi

#### 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 (dryer, energy recovery)

## 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%.



### Inverter driven 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

#### Inverter

Thanks to the inverter driven 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

#### 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

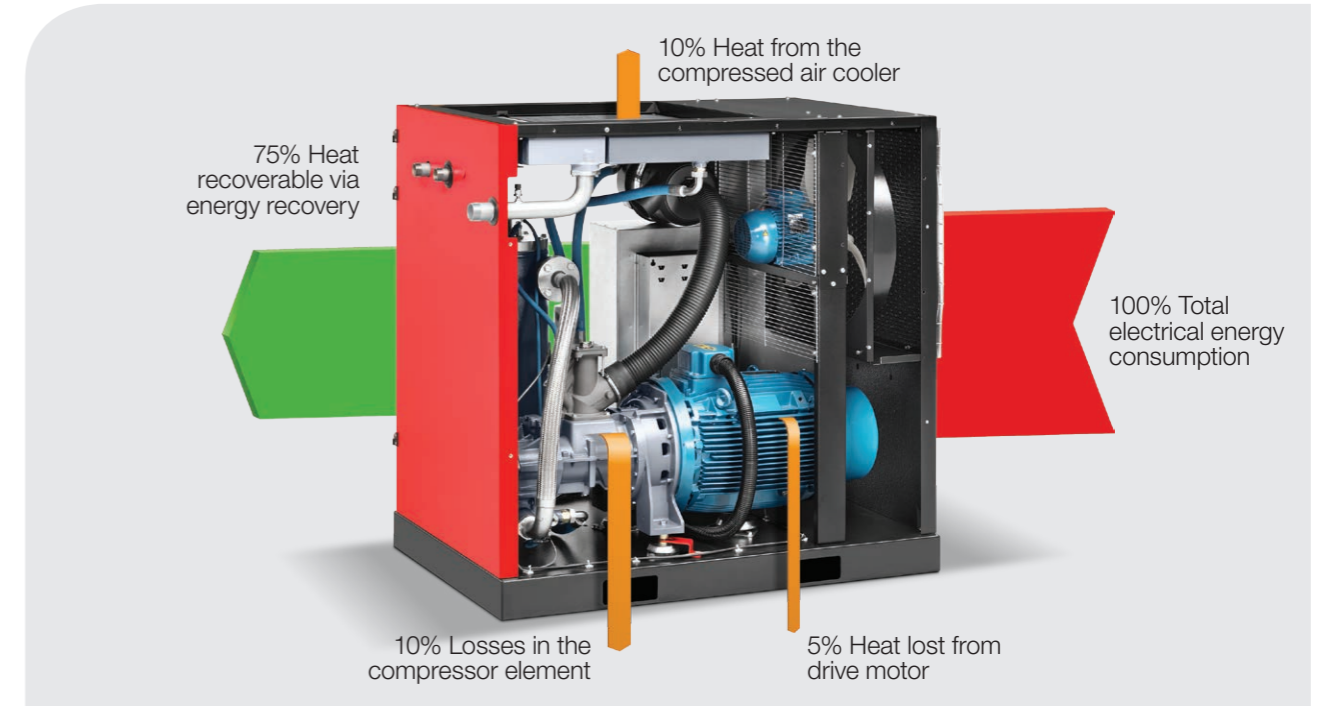
#### Controller

The full colour graphic controller brings intelligent saving features thanks to:

- Optimum zone control
- Integrated sequencer for 4 up to 6 compressors
- Web visualization
- No pressure fluctuation thanks to instant pressure logging and communication with compressor drive
- Dual pressure band operation

## 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.

# Inverter driven compressors

## CPVS Series 40 - 125 hp / 30 - 90 kW



### 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 inverter driven technology, the energy cost can be reduced with 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 75



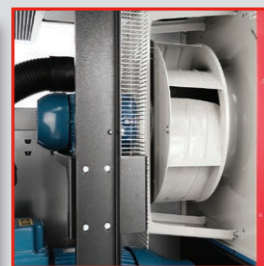
#### Robust and powerful compressor with integrated solutions

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



Frequency converter

Saves up to 30% thanks to perfect match between air demand and air supply.



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

Intelligent unload cycling. Constant pressure follow-up. Automatic restart.

#### Technical Table

Type	Motor		Bar	Flow		Noise		kg	L x W x H (mm)
	HP	kW		l/min (min)	l/min (max)	dB(A) Silenced	dB(A) Std		
Base mounted 400/3/50 + Inverter*									
CPVS 40	40	30	4-13	1400	5500	67	69	840	1420x1060x1630
CPVS 50	50	37	4-13	1700	6800	68	71	920	1420x1060x1630
CPVS 60	60	45	4-13	2100	8300	69	72	925	1420x1060x1630
CPVS 75	75	55	4-13	2500	10100	71	72	1200	1660x1060x1630
CPVS 95	100	75	4-13	3200	13200	71	75	1387	1660x1060x1630
CPVS 100	100	75	4-13	3600	14500	70	72	1640	1860x1060x1630
CPVS 125	125	90	4-13	4300	16800	71	74	1670	1860x1060x1630

\* Units with integrated dryer available. For specifications, please consult your local sales representative

# Gearbox driven compressors

## CPC / CPD / CPE 30 - 90 kW / 40 - 125 hp



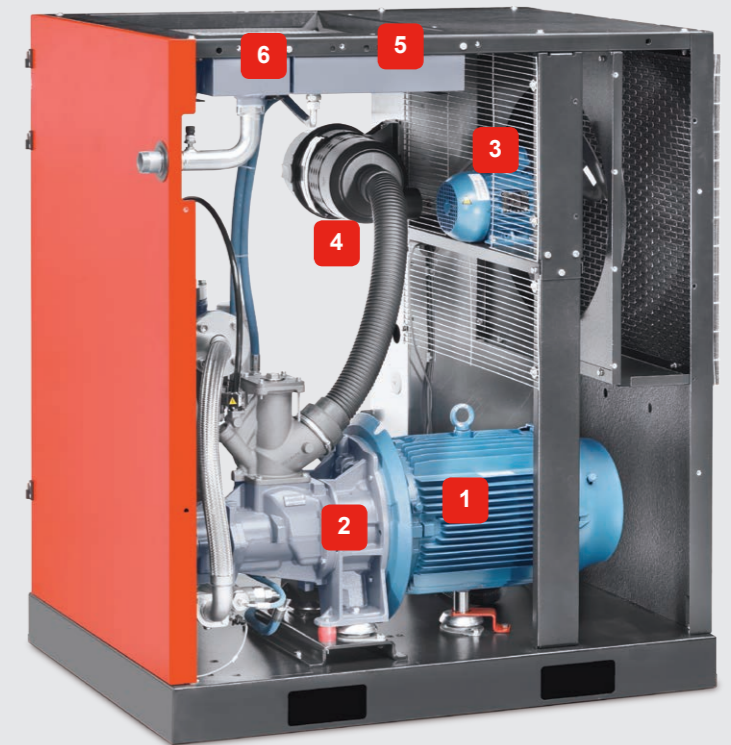
### Maximize productivity with reliable compressed air solutions

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.

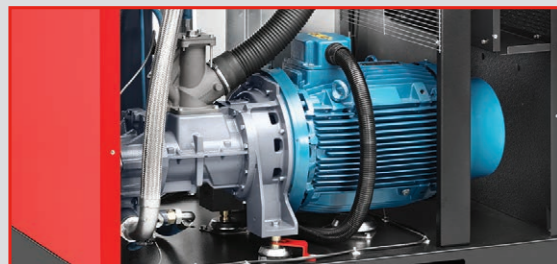


CPC 60 G



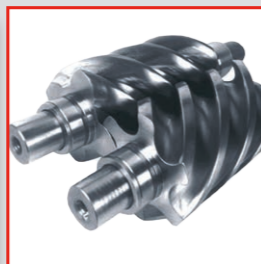
Robust and powerful compressor

- 1 Motor
- 2 Air end
- 3 Axial fan
- 4 Air filter
- 5 Oil cooler
- 6 Air cooler



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.



Easy service and accessibility

Removable panels with hinges to facilitate accessibility.



ES4000

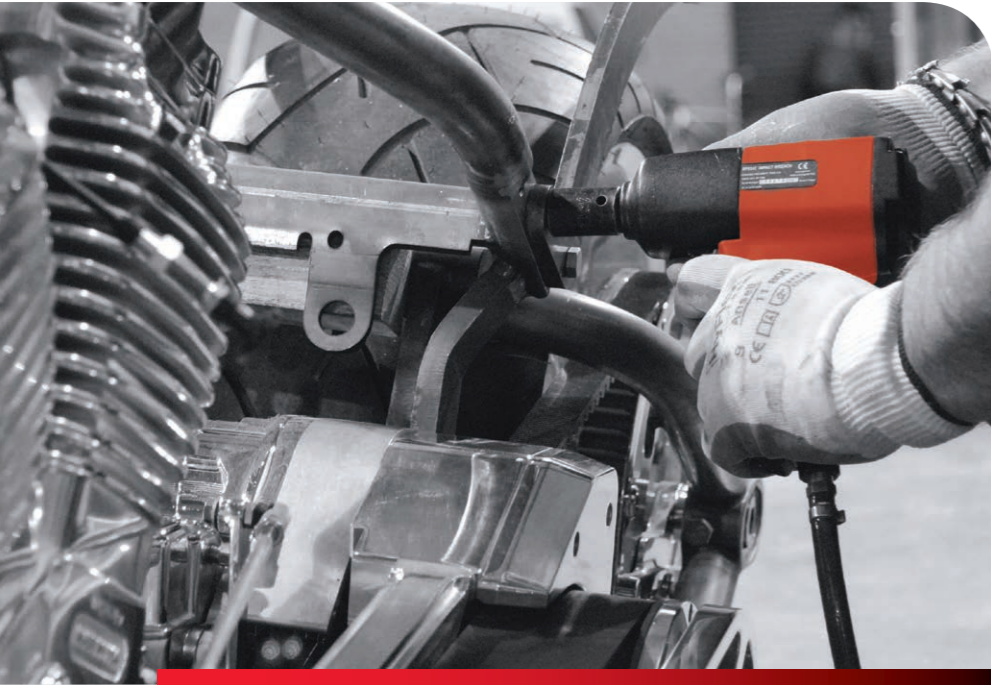
Intelligent unload cycling. Constant pressure follow-up. Automatic restart.

### Technical Table

Type	HP	kW	l/min				Start	dB(A)	kg	L x W x H (mm)
			7 bar	8 bar	10 bar	13 bar				
Base mounted 400/3/50*										
CPC40 G	40	30	5600	5300	4700	4000	Y/D	68-69	760	1420x 1060 x 1630
CPC 50 G	50	37	6900	6700	5900	4700	Y/D	70-71	840	1420x 1060 x 1630
CPC 60 G	60	45	8100	8000	7200	6100	Y/D	71-72	845	1420x 1060 x 1630
CPD 75 G	75	55	9900	9300	8600	7400	Y/D	71-72	1100	1660x 1060 x 1630
CPD 100 G	100	75	12900	12300	11000	9700	Y/D	74-75	1287	1660x 1060 x 1630
CPE 100 G	100	75	14700	13900	12400	10500	Y/D	71-72	1540	1860x 1060 x 1630
CPE 120 G	125	90	16200	16100	14600	12000	Y/D	73-74	1570	1860x 1060 x 1630

\* Units with integrated dryer available. For specifications, please consult your local sales representative

# Belt driven compressors CPC / CPD Series 30 - 75 kW / 40 - 100 hp



## Your smart industry standard in easy operation and maintenance

The CPC / 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.

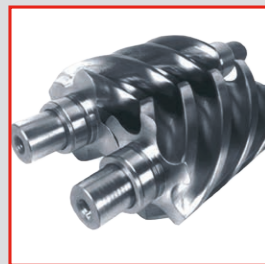


CPC 40



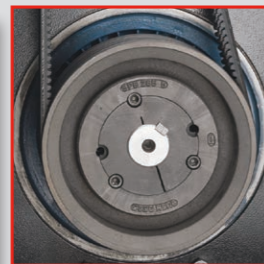
### Robust and powerful compressor

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



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

Intelligent unload cycling. Constant pressure follow-up. Automatic restart.

### Technical Table

Type	HP	kW	l/min			Start	dB(A)	kg	L x W x H (mm)
			8 bar	10 bar	13 bar				
Basemounted 400/3/50									
CPC 40	40	30	4900	4300	3500	Y/D	70	748	1247x 1060 x 1630
CPC 50	50	37	6100	5500	4300	Y/D	71	832	1247x 1060 x 1630
CPC 60	60	45	7800	6800	5700	Y/D	72	862	1247x 1060 x 1630
CPD 75	75	55	8700	7900	7100	Y/D	72	1073	1420x 1060 x 1630
CPD 100	100	75	11500	10100	8900	Y/D	75	1280	1660x 1060 x 1630

# Chicago Pneumatic: full offer, global presence



Industrial & vehicle service tools



Construction tools



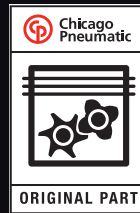
Portable compressors and generators



Paving equipment



Industrial compressors



**Original parts.  
Your quality assurance.**

DISTRIBUTED BY

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The 'original part' identification confirms that these components passed our strict test criteria. All parts are designed to match the compressor and are approved for use on the specified 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 your quality assurance.

[www.cp.com](http://www.cp.com)