



**Chicago  
Pneumatic**



**Gearbox driven compressors  
from 11-90kW**

**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 11-90kW oil-injected screw compressor offer is vast, yet the full range always guarantees solid performance thanks to high quality components and innovative design.

### “Maximized productivity”

#### GEARBOX DRIVEN



Noise level	Silent: 68-73 dB(A)
FAD	1550 - 16260 l/min
Power	11 - 90 kW 15 - 125 hp
Pressure	8 - 13 bar 116 - 189 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: 68-73 dB(A)
FAD	760 - 16140 l/min
Power	15 - 90 kW 20 - 125 hp
Pressure	8 - 10 bar 116 - 145 psi

#### User benefits

- Cut your energy bill by 30%
- Optimal efficiency perfectly matching the air flow
- Quick return on investment
- Integrated solutions (dryer, energy recovery)

### “All in one solution”

#### GEARBOX & INVERTER DRIVEN



Noise level	Silent: 68-69 dB(A)
FAD	760 - 3160 l/min
Power	11 - 22 kW 15 - 30 hp
Pressure	8 - 10 bar 116 - 145 psi

#### User benefits

- Plug and play
- Reduce installation cost
- Reduce foot print
- Eliminate risk of air leakage

# Gearbox driven compressors CPB / CPC 15 - 60 hp / 11 - 45 kW



## The ultimate smart solution you can trust

The CPB /CPC Gear box-driven range bring you outstanding performance, flexible operation and highest productivity. The components have been carefully selected to assure optimal quality and reliability. It is built to perform even in the harshest environments, our products keep your production running smoothly.



### Maintenance-free drive train

Premium performance through:

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



### High efficiency screw element

Efficiency, reliability and durability is guaranteed by a manufacturer who assembles more than 25000 screw elements every year.



### Energy saving controller

A unique control unit, specially programmed to work with the inverter to optimize energy saving.



### Simple and strong

Reasonable design, every part in the right place, which makes the machine very simple and strong, free from trouble.



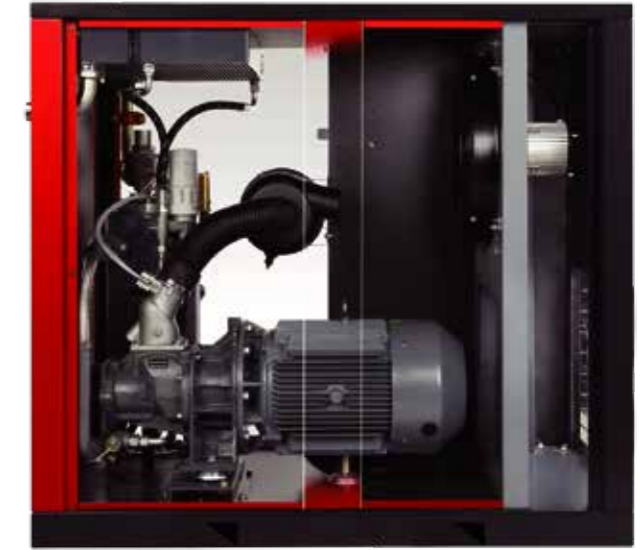
### Easy maintenance

The simple and scientific layout gives you ample space for service and maintenance, makes your service much easier and faster, efficiency means less cost.

### CPB30G



### CPC60G



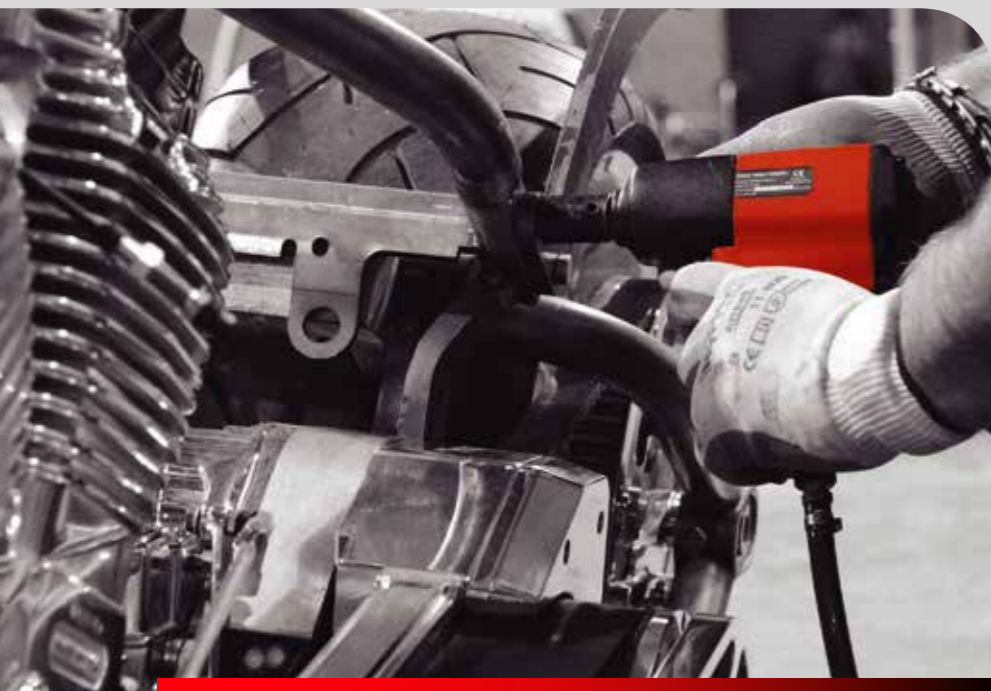
### Technical Table

FIX SPEED	Motor Power		Working Pressure	Free Air Delivery			Noise Level	Compressed Air output diameter		Weight		Dimension
	kW	HP	bar	l/m	m <sup>3</sup> /h	cfm	dB(A)	std	dryer+tank	std	dryer+tank	L x W x H (mm) std*
CPB15 G	11	15	8	1829	110	65	69	G1	G3/4	445	820	1450 X 780 X 1200
	11	15	10	1547	93	55	69	G1	G3/4	445	820	1450 X 780 X 1200
CPB20 G	15	20	8	2377	143	84	69	G1	G3/4	455	830	1450 X 780 X 1200
	15	20	10	2150	129	76	69	G1	G3/4	455	830	1450 X 780 X 1200
CPB25 G	18.5	25	8	3034	182	107	70	G1	G3/4	470	845	1450 X 780 X 1200
	18.5	25	10	2575	155	91	70	G1	G3/4	470	845	1450 X 780 X 1200
CPB30 G	22	30	8	3594	216	127	70	G1	G3/4	485	965	1450 X 780 X 1200
	22	30	10	3113	187	110	70	G1	G3/4	485	965	1450 X 780 X 1200
CPC40 G	30	40	8	5207	312	184	65	1" 1/2		810	n.a.	1680 X 951 X 1503
	30	40	10	4641	278	164	65	1" 1/2		810	n.a.	1680 X 951 X 1503
	30	40	13	3998	240	141	65	1" 1/2		810	n.a.	1680 X 951 X 1503
CPC50 G	37	50	8	6254	375	221	66	1" 1/2		835	n.a.	1680 X 951 X 1503
	37	50	10	5603	336	198	66	1" 1/2		835	n.a.	1680 X 951 X 1503
	37	50	13	4846	291	171	66	1" 1/2		835	n.a.	1680 X 951 X 1503
CPC60 G	45	60	8	7585	455	268	67	1" 1/2		855	n.a.	1680 X 951 X 1503
	45	60	10	6849	411	242	67	1" 1/2		855	n.a.	1680 X 951 X 1503
	45	60	13	6028	362	213	67	1" 1/2		855	n.a.	1680 X 951 X 1503

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

\* Voltage: 380V/3ph/50Hz, 400V/3ph/50Hz.

# Gearbox driven compressors CPD / CPE 75 - 120 hp / 55 - 90 kW



## 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.



CPD100G



CPE120



**State of the art screw element**  
**Extraordinary efficient drive train**

Unique 4/6 screw air ends for premium performance.  
Gear drive eliminates transmission losses and reduces running cost.



**Powerful cooling system**

Efficient cooling fan and oversized coolers for demanding conditions.



**Extremely silent**

The unique baffler design results in extremely low noise levels.



**Efficient air filtration**

Protects internal components from contamination.

### Technical Table

FIX SPEED	Motor Power		Working Pressure	Free Air Delivery			Noise Level	Compressed Air output diameter	Weight	Dimension
	kW	HP	bar	l/m	m <sup>3</sup> /h	cfm	dB(A)	"	kg	L x W x H (mm) std*
CPD75 G	55	75	8	9283	557	328	67	2"	1250	2260 X 1060 X 1594
	55	75	10	8649	519	305	67	2"	1250	2260 X 1060 X 1594
	55	75	13	7440	446	263	67	2"	1250	2260 X 1060 X 1594
CPD100 G	75	100	8	12311	739	435	68	2"	1315	2260 X 1060 X 1594
	75	100	10	11038	662	392	68	2"	1315	2260 X 1060 X 1594
	75	100	13	9797	588	346	68	2"	1315	2260 X 1060 X 1594
CPE100	75	100	8	13726	824	485	67	2"	1530	2260 X 1069 X 1594
	75	100	10	12113	727	428	67	2"	1530	2260 X 1069 X 1594
	75	100	13	10328	620	365	67	2"	1530	2260 X 1069 X 1594
CPE120	90	125	8	16264	976	574	71	2"	1680	2260 X 1069 X 1594
	90	125	10	14405	864	509	71	2"	1680	2260 X 1069 X 1595
	90	125	13	11858	712	419	71	2"	1680	2260 X 1069 X 1595

\* Voltage: 380V/3ph/50Hz, 400V/3ph/50Hz.

# Inverter driven compressors CPVS Series 40 - 125 hp / 15 - 125 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 saves money

Our technology reduces the operating cost for your compressed air system by over 20%.



### Perfectly matched inverter

Leading inverter brand is perfectly matched to electric motor and air end for maximum energy savings.



### Built to last

Designed for continuous duty and perfectly matched to the inverter speed regulation.



### Energy saving controller

A unique control unit, specially programmed to work with the inverter to optimize energy saving.



### High reliable drive system

Unique design, lower vibration, easy and fast access.



## Technical Table

FIX SPEED	Motor Power	Working Pressure	Free Air Delivery	Noise Level	Compressed Air output diameter	Weight	Dimension			
Model	kW	HP	bar	l/m	m <sup>3</sup> /h	cfm	dB(A)	"	kg	L x W x H (mm) std*
CPVS20	15	20	8	900	54	32	69	G1	465	1450 X 780 X 1200
				2377	143	84				
CPVS20	15	20	10	780	47	28	69	G1	465	1450 X 780 X 1200
				2151	129	76				
CPVS25	18.5	25	8	1140	68	40	70	G1	490	1450 X 780 X 1200
				3028	182	107				
CPVS25	18.5	25	10	960	58	34	70	G1	490	1450 X 780 X 1200
				2575	155	91				
CPVS30	22	30	8	1440	86	51	70	G1	510	1450 X 780 X 1200
				3594	216	127				
CPVS30	22	30	10	1200	72	42	70	G1	510	1450 X 780 X 1200
				3113	187	110				
CPVS40	30	40	8	1802	108	64	69	1"1/2	850	1680 X 951 X 1503
				5208	312	184				
CPVS40	30	40	10	1484	89	52	69	1"1/2	850	1680 X 951 X 1503
				4642	278	164				
CPVS50	37	50	8	2239	134	79	70	1"1/2	850	1680 X 951 X 1503
				6255	375	221				
CPVS50	37	50	10	1830	110	65	70	1"1/2	850	1680 X 951 X 1503
				5604	336	198				
CPVS60	45	60	8	2722	163	96	72	1"1/2	890	1680 X 951 X 1503
				7585	455	268				
CPVS60	45	60	10	2296	138	81	72	1"1/2	890	1680 X 951 X 1503
				6849	411	242				
CPVS75	55	75	8	3180	191	112	74	2"	1450	2259 X 1060 X 1594
				9283	557	328				
CPVS75	55	75	10	2700	162	95	74	2"	1450	2259 X 1060 X 1594
				8632	518	305				
CPVS95	75	100	8	4260	256	151	72	2"	1515	2259 X 1060 X 1594
				12311	739	435				
CPVS95	75	100	10	3660	220	129	72	2"	1515	2259 X 1060 X 1594
				11038	662	390				
CPVS100	75	100	8	4440	266	157	75	2"	1690	2259 X 1060 X 1594
				13726	824	485				
CPVS100	75	100	10	3660	220	129	75	2"	1690	2259 X 1060 X 1594
				12113	727	428				
CPVS120	90	125	8	5400	324	191	75	2"	1750	2259 X 1060 X 1594
				16245	975	574				
CPVS120	90	125	10	4260	256	151	75	2"	1750	2259 X 1060 X 1594
				14406	864	509				

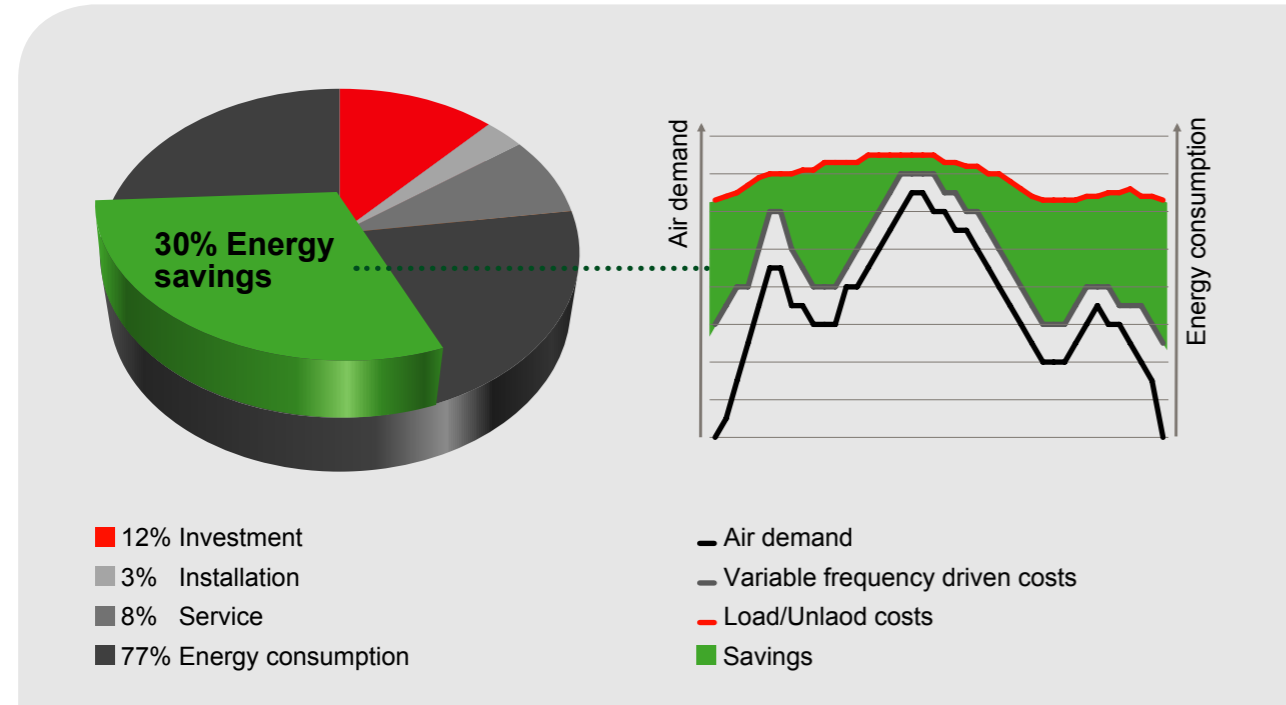
\* Units with integrated dryer available. For specifications, please consult your local sales representative.

\* Voltage: 380V/3ph/50Hz, 400V/3ph/50Hz.

# Energy efficiency

## 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**  
Energy saving controller:

- A unique control unit, specially programmed to work with the inverter to optimize energy saving.

# Chicago Pneumatic Original Parts

## Engineered lubricants



### Chicago Pneumatic tailored coolants you can trust.

1. Do not limit warranty of compressor.
2. Maximum performance & efficiency.
3. Tested and approved for all applications & environments.
4. Increase significantly the reliability & minimizes risks absolutely.
5. Extending the compressors' lifetime.
6. Offer a firm grip on maintenance cost.

### Lubricants are of vital importance.



### Look for your quality assurance! Use Chicago Pneumatic Original Par

Chicago Pneumatic is always at your service with comprehensive screw

- Easy
- Guaranteed long lifetime
- Reliable
- All-in-one cost effective



# Chicago Pneumatic: full offer, global presence



Industrial & vehicle service tools



Construction tools



Portable compressors and generators



Paving equipment



Industrial compressors



## Care. Trust. Efficiency.

### Care.

Care is what service is all about: professional service by knowledgeable people, using high-quality original parts.

### Trust.

Trust is earned by delivering on our promises of reliable, uninterrupted performance and long equipment lifetime.

### Efficiency.

Equipment efficiency is ensured by regular maintenance. Efficiency of the service organization is how Original Parts and Service make the difference.

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