

Oil-injected Screw Compressor

Fixed speed CPM 60-100, CPD 60 G & CPE 75-95 G

Variable speed CPMV 60-100 & CPVS 60-95PM



People.
Passion.
Performance.

 **Chicago
Pneumatic**

FIXED SPEED COMPRESSOR

CPM, CPD & CPE series 60-100HP/45-75kW

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**.

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.**

Broad product portfolio
of robust compressors & tools

Decades of experience
& innovation

100% committed
distributor partnership



Technical data

Model									
	Pressure	Motor		Capacity		Noise	Weight	Connection	Dimension
	Mpa	kw	hp	l/s	cfm	dB(A)±2	KG	G	LxHxW (mm)
CPM60	0.8			127	269				
	1	45	60	118	250	72	866	G1 1/2	1723*980*1600
	1.3			101	213				
CPM75	0.8			155	328				
	1	55	75	144	305	76	1221	G2	1950*1090*1600
	1.3			124	263				
CPM100	0.8			206	437				
	1	75	100	186	393	77	1285	G2	1950*1090*1600
	1.3			163	346				

Model									
	Pressure	Motor		Capacity		Noise	Weight	Connection	Dimension
	Mpa	kw	hp	l/s	cfm	dB(A)±2	KG	G	LxHxW (mm)
CPD60 G	0.8			133	281				
	1	45	60	114	241	70	906	G1 1/2	1723*980*1600
	1.3			100	211				
CPE75 G	0.8			170	359				
	1	55	75	146	310	74	1461	G2	2259*1060*1594
	1.3			125	266				
CPE95 G	0.8			230	487				
	1	75	100	205	433	75	1535	G2	2259*1060*1594
	1.3			172	364				

1

Separate coolers

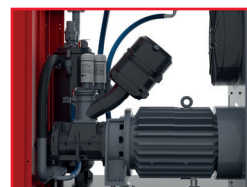
Separate oil and air cooler for high-quality cooling. Perfect work at 46°C ambient temperature



1

Chicago Pneumatic in-house design element

Guarantee the quality of compressed air and efficient operation



2

High efficiency air filter

Low pressure drop, less noise and 99.9% removal efficiency at 3µm solid particles



3

Integrated fan

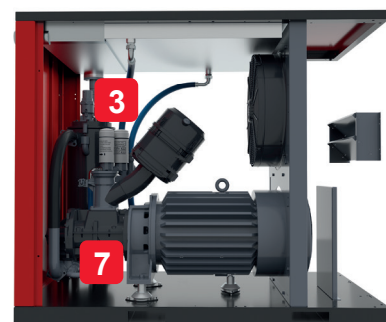
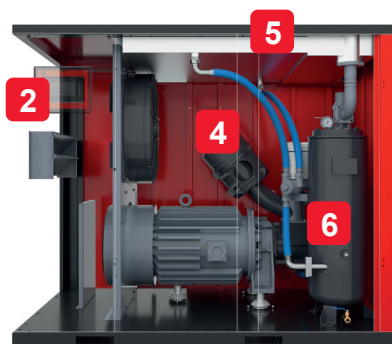
Start/stop coordinated by controller in accordance with the oil temperature



High performance components made for CPM, CPD & CPE series

Pioneering components make for a revolutionary range

- | | |
|--------------------|--------------------------|
| 1 Filtration panel | 5 Air cooler, Oil cooler |
| 2 Controller | 6 Oil-separator vessel |
| 3 Oil filter | 7 Screw element |
| 4 Air filter | |



VARIABLE SPEED COMPRESSOR

CPMV & CPVS PM 60-100Hp/45-75kw



Excel at operational efficiency and performance

Continuous investment in product development has resulted in our most innovative and energy efficient compressor to date. Designed with the customer in mind, the CPMV & CPVS range delivers premium performance at a minimal energy cost.

With the CPMV & CPVS, reliable productivity becomes a given. Maintenance-free components enable higher uptime and consumables with a long lifetime ensure low total cost of ownership. Last but not least, this range offers you peace of mind, packaged in a proven canopy design with already thousands of installations around the globe.



Technical data

Model									
	Pressure	Motor		Capacity		Noise	Weight	Connection	Dimension
	Mpa	kw	hp	l/s	cfm	dB(A)±2	KG	G	LxHxW (mm)
CPVS60 PM	0.8	45	55	26-134	56-286	71	733	G1 1/2	1723*980*1600
	1			26-125	56-265				
	1.3			41-101	88-215				
CPVS75 PM	0.8	55	75	27-182	56-385	72	932	G2	2210*1060*1600
	1			27-164	56-346				
	1.3			44-139	92-293				
CPVS95 PM	0.8	75	100	28-213	60-452	77	973	G2	2210*1060*1600
	1			28-187	60-395				
	1.3			43-165	92-349				

Model									
	Pressure	Motor		Capacity		Noise	Weight	Connection	Dimension
	Mpa	kw	hp	l/s	cfm	dB(A)±2	KG	G	LxHxW (mm)
CPMV60	0.7	45	60	29-142	61-300	74	750	G1 1/2	1723*980*1600
	0.8			29-133	61-281				
	1			28-122	59-257				
CPMV75	0.7	55	75	31-183	65-386	76	920	G2	1920*1060*1600
	0.8			31-175	65-369				
	1			30-157	63-331				
CPMV100	0.7	75	100	45-218	95-460	78	980	G2	1920*1060*1600
	0.8			43-210	91-443				
	1			43-182	91-384				

1

Imperium inverter

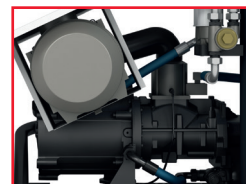
In-house designed Imperium inverter ensures perfect match between air demand and air supply.



2

Drive train

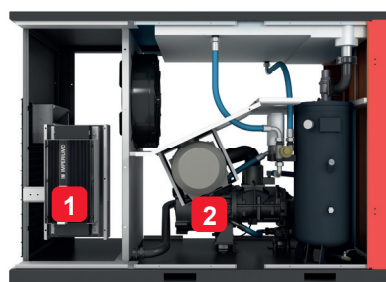
Reliable and high efficiency drive train: unique design, lower fabrication to reduce energy loss and optimize operation cost



3

ES4000T controller

Easy-to-use, graphical touch screen display with integrated connectivity to optimize and save energy



1 Imperium inverter

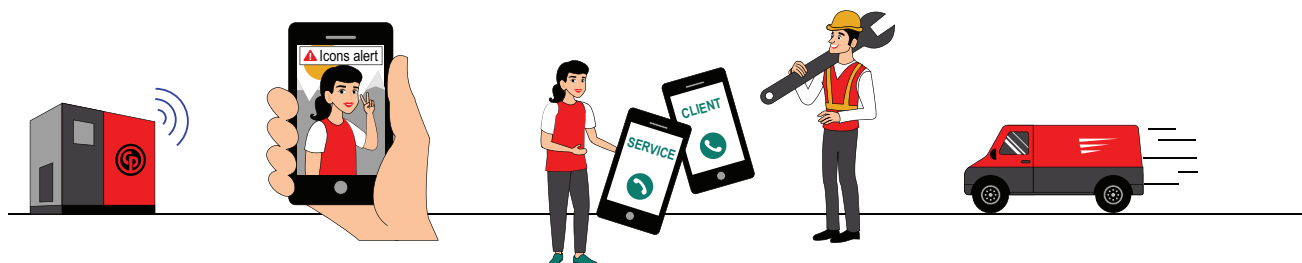
2 Drive train

Complete your compressed air installation with an ICONS plan

What if your compressor needs service or an immediate intervention?
With an ICONS plan, you get an alert from your controller delivered straight to your computer, tablet or smartphone. Wherever you are, you can take immediate action and reduce the risk of downtime and other costs.



With connectivity



Without connectivity



A TOTAL SOLUTION FOR YOUR QUALITY AIR

Upgrade CPVS PM with built-in options

Revolutionary drive train technology

Improved energy efficiency saves you money

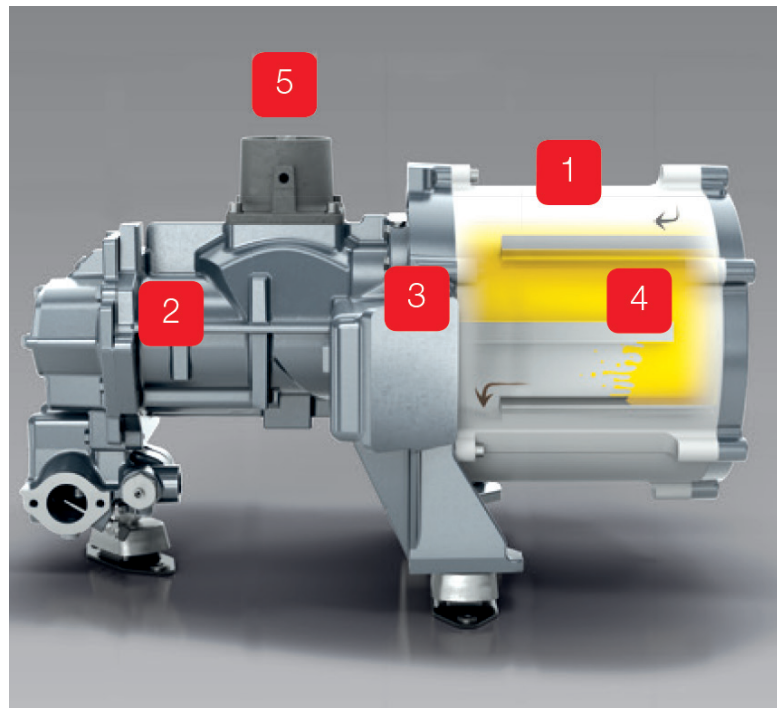
- In-house designed iPM motor with iPM Super Premium Efficiency
- New generation in-house designed screw elements, with improved efficiency
- Integrated direct drive transmission for minimal losses.
- Smart inlet valve optimizes the inlet flow and improves efficiency

Increased reliability extends lifetime

- iPM motor rated IP66, premium protection against dust and water ingress
- Globally renowned screw elements, proven in thousands of installations.
- Optimal cooling at all speeds and conditions thanks to oil-cooling principle of the iPM motor.

Maintenance-free design minimizes downtime and improves your productivity

- Coupling-free direct drive design, no maintenance needed.
- Smart inlet valve, no maintenance needed.



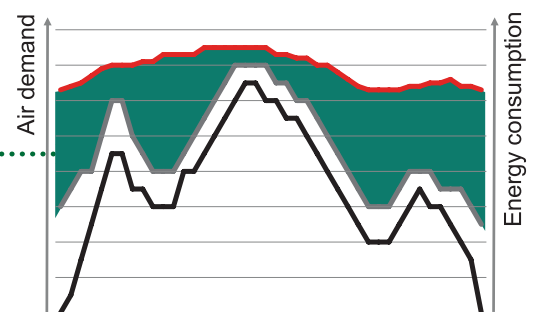
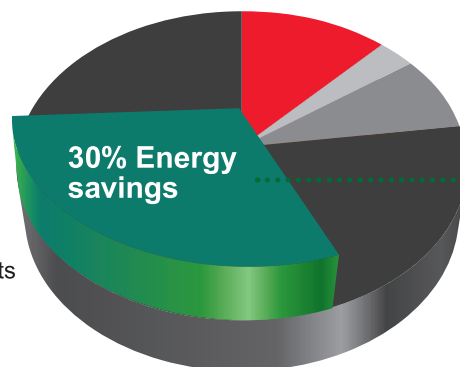
- 1 iPM motor
- 2 In-house designed screw elements
- 3 Direct drive
- 4 Oil-cooling
- 5 Smart inlet valve

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%.

- 12% Investment
- 3% Installation
- 8% Service
- 77% Energy consumption

- Air demand
- Variable frequency driven costs
- Load/Unload costs
- Savings



Air quality

- Automatic drain – ensures no air loss during condensate removal.
- Tropical thermostatic valve – for use in humid and hot conditions.
- High-efficiency air intake pre-filtration panel – avoids dust entering the compression element, protecting internal components and extending the compressor lifetime.
- Refrigerant dryer – removes water condensate from the compressed air, minimizing the risk of product spoilage in your application.

Energy saving

- ECO6i – integrated multiple compressor control for up to 6 compressors reduces system pressure and energy consumption.

Safety

- Water shut-off valve outside the canopy – for water-cooled machines.
- Oil pre-heater – guarantees a certain oil temperature in the oil vessel to avoid condensation.

Compressor Station Layout



Line Filters

- Purify the compressed air by eliminating oil/dust contaminants resulting in higher final product quality and an increase of your overall productivity.

Air Receiver

- Buffer storage for compressed air. Helps with condensate separation, pressure stabilization and more efficient operation of the compressor.

Oil Water Separator

- Captures the oil in compressor condensate so it can be disposed of in a safe and environment-friendly way.

AIRnet

- Fast to install, reliable piping system, designed for compressed air applications offers lowest total cost of ownership.



Since 1901 the Chicago Pneumatic name has represented reliability and attention to customer needs, with construction, maintenance and production tools and compressors designed for specific industrial applications. Today, Chicago Pneumatic has a global reach, with local distributors around the world.

Our people start every single day with a passion to research, develop, manufacture and deliver new products that are meant to meet your needs not only today, but tomorrow as well. To learn more, visit www.cp.com.

For more information, please contact your CP partner:

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