

# CPVS 60-95 PM Series

Variable Speed Drive Permanent Magnet Rotary Screw Air Compressors



People  
Passion  
Performance



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

# Variable Speed Drive Permanent Magnet Rotary Screw Air Compressors

## Innovating Where it Matters Most.

Compressed air drives your processes and with it, the operational efficiency and performance of your company. With this principle in mind, Chicago Pneumatic has designed the CPVS PM, a range of variable speed, oil-injected screw compressors with iPM motor technology to offer your business a compressed air solution that adds value and saves you money at the same time.

## Revolutionary Drive Train Technology

### Improved energy efficiency saves you money

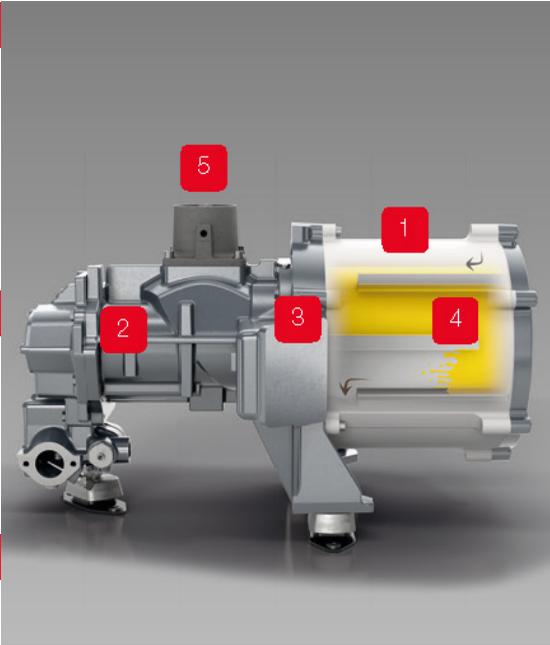
- In-house designed iPM motor (1) with IE4 Super Premium Efficiency
- New generation in-house designed screw elements (2), with improved efficiency
- Integrated direct drive transmission (3) for minimal losses
- Smart inlet valve (5) optimizes the inlet flow and improves efficiency

### Increased reliability extends lifetime

- iPM motor (1) rated IP66, premium protection against dust and water ingress
- Globally renowned screw elements (2), proven in thousands of installations
- Optimal cooling at all speeds and conditions thanks to oil-cooling principle (4) of the iPM motor (1).

### Maintenance-free design minimizes downtime

- No (re)greasing of the motor (1) bearing needed.
- Coupling-free direct drive design (3), no maintenance needed.
- Smart inlet valve (5), no maintenance needed.



## CPVS 60 to 95 HP Specifications

Model	CPVS 60 PM	CPVS 75 PM	CPVS 95 PM
Horsepower	60	75	100
Min-Max acfm @ 100 psig	63 - 322	61 - 389	59 - 466
Min-Max PSI	60 - 188	60 - 188	60 - 188
Sound Level (dBA)	69	71	71
L x W x H (in)	69 x 42 x 64	69 x 42 x 64	69 x 42 x 64
Weight (lbs)	1,895	1,940	1,984
Motor	460V	460V	460V
Starter	Soft-Start	Soft-Start	Soft-Start
Oil Capacity	36 L / 9.5 Gal.	36 L / 9.5 Gal.	36 L / 9.5 Gal.
Lubricating Oil	Rotair Extra	Rotair Extra	Rotair Extra
Connection Size	1 1/2"	1 1/2"	1 1/2"

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## Standard Features:

- Low sound enclosure
- Min/Max outlet pressure: 60-188 psi
- 30-100% capacity
- Networking capability
- ES4000T Touchscreen controller
- iPM motor
- Imperium inverter
- Separate oil and air coolers
- High-efficiency radial fan
- 2-stage filtration
- Base mounted



**iPM Motor**

In-house designed interior permanent magnet motor with IE4 efficiency. Oil-cooled for optimal cooling at all speeds.



**Imperium Inverter**

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



**Separate Coolers**

Separate oil and air cooler for high-quality cooling and long life-time of the coolers.



**Radial Fan**

Highly efficient and low-noise radial fan as standard.



**ES4000T Controller**

Easy-to-use, graphical touch-screen display with integrated connectivity (ICONS) to optimize and save energy, special enclosure to protect from water/dust, environmental conditions data, control algorithms & motor direction phase sequence protection.

## Variable Speed Drive Permanent Magnet Rotary Screw Air Compressors

### Why Energy Efficiency?

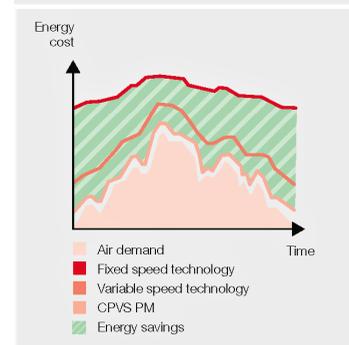
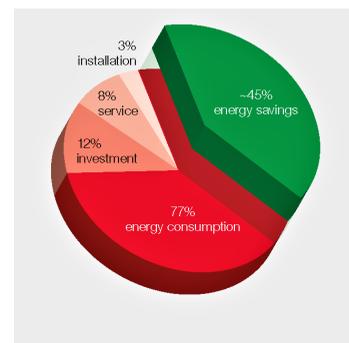
Energy costs represent about 70% of the total operating cost of your compressor over a 5-year period. Therefore, reducing the energy consumption of your compressed air installation should be a major focus to ensure the lowest cost of ownership.

### Why Variable Speed Compressors?

Because the majority of industrial applications require a variable demand for compressed air, variable speed compressors are proven to be superior to fixed speed compressors when it comes to reducing energy costs. By matching the air supply to the air demand, unload losses are avoided and energy costs reduced on average by 30%.

### Why Invest in CPVS PM?

In the CPVS PM range we have combined our Imperium variable speed technology with our new and highly efficient drive train with iPM motor technology and evolved the energy efficiency of variable speed compressors to a new level that results in up to 45% energy savings.





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

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.



## 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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