

Chicago  
Pneumatic



**Solid, simple  
and smart**

CPCg (40-60) and  
CPVS (40-50) PM  
Oil-Injected  
Screw Compressors

People. Passion. Performance.



Chicago  
Pneumatic



Your compressor powers your entire production, or at least a significant part. You simply can't afford an air system that doesn't work for you. Chicago Pneumatic's Fixed speed CPCg (40-60) and brand-new CPVS (40-50) PM deliver the reliable and cost-efficient performance that will give you that necessary peace of mind. Thanks to the CPVS (40-50) PM's iPM technology, you even enjoy unrivaled energy savings. Compact and quiet, a Chicago Pneumatic 40-60 hp compressor will be the undemanding, yet powerful heart of your compressor room for years to come.



### Superior Build

- Updated, small footprint to save space and reduce noise levels.
- Reliable operation, even in ambient temperatures of up to 115°F.
- The IP66-enclosed drive train provides dependable performance in dusty and humid conditions.
- Maintenance-free components ensure higher uptime and productivity.
- iPM direct drive guarantees premium reliability.



### Low Cost of Ownership

- On average 30% smaller footprint than most competitors.
- Up to 45% energy savings with the CPVS (40-50) PM's IE4 iPM motor.
- Integrated direct drive transmission allows for minimal losses.
- Advanced ES4000T touchscreen controller maximizes performance and efficiency.

## A Complete Offering



### CPCg 40-60 Fixed-speed

- On average 30% smaller footprint than most competitors
- Gear drive contributes to high reliability in tough conditions
- Ideal workhorse for compressor rooms with long duty cycle operation



### + TCO\* savings CPVS 40-50 PM

Performance	- Oil-cooled iPM drive train for high performance cooling and best-in-class performance
Serviceability	- Energy savings of up to 45%
Lifetime	- iPM motor equals IE4 standards
	- Payback within 1-2 years for upgrade from fixed-speed to iPM







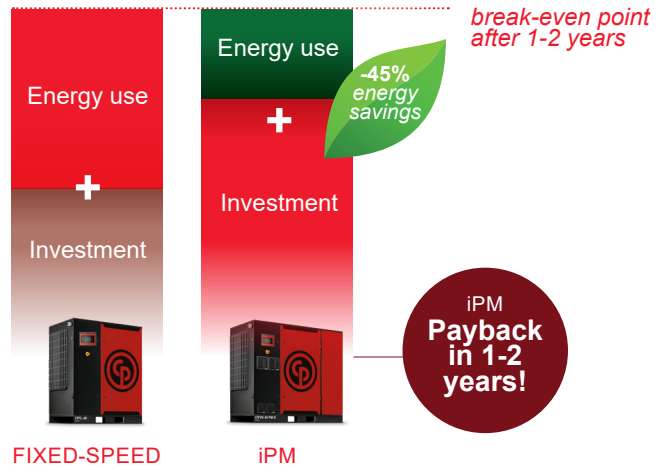
### Compact & quiet

The CPCg (40-60) and CPVS (40-50) PM can be placed in a compressor room or directly on your production floor. Typically, neither has much room to spare. That is why the units take up very little space. In addition, our 40-60 hp compressors are super silent with sound levels as low as 67 db(A) to protect the health and comfort of your employees.

## iPM for major energy savings

Energy takes up more than 70% of the cost of owning and operating a compressor. Chicago Pneumatic's iPM technology was developed to give you significant energy savings. While traditional compressors only have one speed (100% on), iPM compressors adjust their motor speed to follow the fluctuating air demand that most production environments have. As a result, the CPVS (40-50) PM delivers up to 45% energy savings. That means you can earn back your choice for the CPVS (40-50) PM in just one to two years. How's that for a financial no-brainer?

Payback in 1-2 years



## ICONS

## Increased uptime, powered by ICONS

With the Intelligent CONnectivity System (ICONS), you get data and insights from your machines delivered to your computer, tablet or smartphone.

- Increase the reliability of your machine by identifying problems before they become a threat to the continuity of your production.
- Analyze and optimize your energy consumption and CO<sub>2</sub> emissions.
- Receive high-quality energy reports ensuring the ISO50001 compliance of your site.



# Advanced Technology for Best-in-Class Performance

## In-house designed IE4 efficiency and class H interior permanent magnet (iPM) motor:

Maintenance-free; includes innovative oil-cooling technology for optimal performance in up to 115°F.

## In-house designed compression element:

Gives you best-in-class Free Air Delivery and Specific Energy Requirement.



## IP54 electrical cubicle:

Can withstand up to 140°F and is IP54 protected.

## Drive train:

IP66-rated for complete protection from dust and moisture.

## Radial fan:

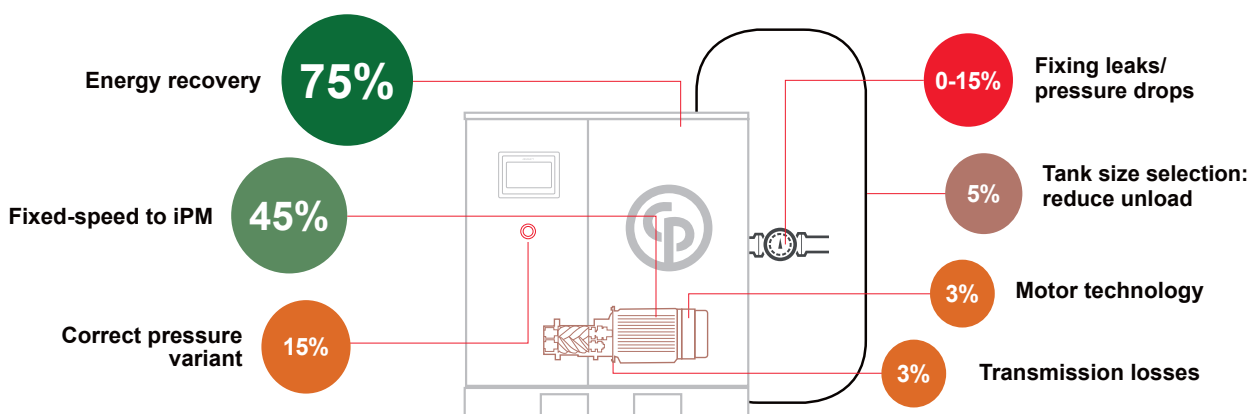
Gives you improved pressure build-up and quiet operation.

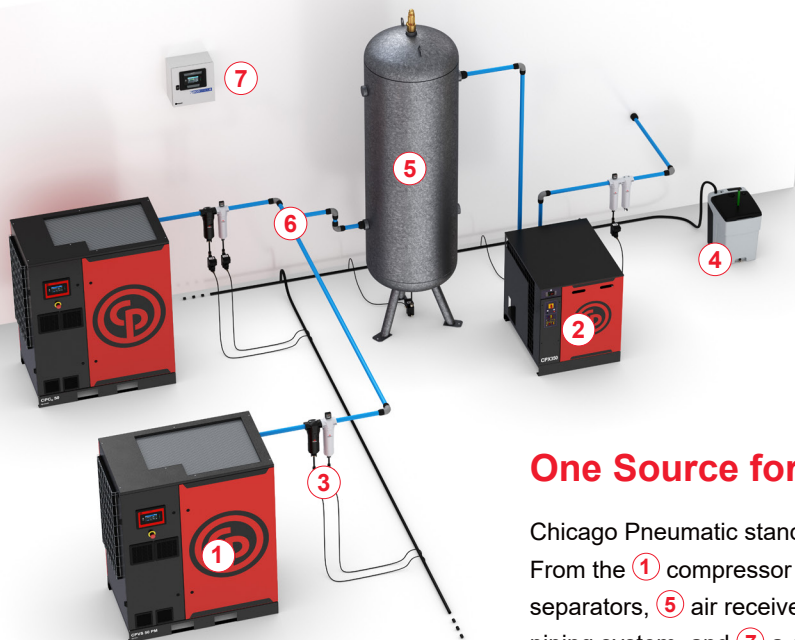
## A Range of Options

- Integrated energy recovery
- Freeze protection
- IE4 fixed-speed motor
- WSD & Electronic water drain
- 8000-hour premium synthetic oil
- Heavy-duty pre-filtration
- Food-grade oil
- ECO6i

## Mission Possible: Energy Efficiency

Energy constitutes by far the biggest cost of owning and operating a compressor. Luckily, there are many options to minimize the energy consumption of your air system. Technologies such as energy recovery can have a huge impact on your bottom line and your environmental footprint, with energy savings of up to 75%. A holistic view of your compressed air system is key. It starts with the selection of efficient technologies when buying your compressor. But it doesn't end there. Monitoring and analyzing your air system as you use it will often reveal optimization opportunities. Your Chicago Pneumatic representative can help you find those savings.





## One Source for All of Your Air Needs

Chicago Pneumatic stands ready to meet all of your compressed air needs: From the ① compressor itself, to ② air dryers and ③ line filters, ④ oil-water separators, ⑤ air receiver buffer storage, ⑥ our own easy-to-install AIRnet piping system, and ⑦ a central controller to manage the entire system.

## State-of-the-art Monitoring, Control & Connectivity

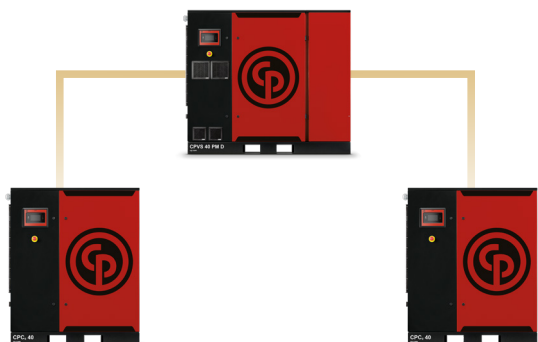
How do you get the most out of your CPCg (40-60) and CPVS (40-50) PM? It's all about monitoring, control and connectivity. The state-of-the-art ES4000T touchscreen controller gives you on-screen and remote insight into the performance of your compressor so you can optimize its efficiency, reliability and lifetime:

- Large 4.3" full-color touchscreen display
- 30+ languages
- Warning indications and shutdown alarms
- Service status and schedule indication
- Online visualization of running conditions
- Compressor data analysis



## Enhance Your Air System Performance With the EControl6i

### EControl6i



Are you operating multiple compressors? The CPCg (40-60) and CPVS (40-50) PM can be optionally equipped with the **EControl6i** central controller to synchronize your different units. The result: a smooth running air system with a low Total Cost of Ownership.

- Generate energy savings by narrowing the operating pressure band.
- Save on maintenance costs and equalize the running hours of your compressors.
- Monitor and control all compressors from one single touchscreen display.
- Optimize your compressors' performance by operating different control schemes.
- Control compressors of all types and brands.

# Technical Specifications

## CPC<sub>g</sub> 40-60

Model	Max. working pressure	Reference working pressure	Free Air Delivery @ reference conditions*	Motor Power	Noise level **	Cooling air flow	Weight	
	psi	psi	cfm	hp	db(A)	cfm	No Dryer	With Dryer
	lbs.							
CPC <sub>g</sub> 40	107	100	194	40	67	2884	1168	1411
	132	125	180					
	157	150	160					
	182	175	148					
CPC <sub>g</sub> 50	107	100	240	50	70	2942	1391	1634
	132	125	219					
	157	150	199					
	182	175	188					
CPC <sub>g</sub> 60	107	100	281	60	72	4679	1424	1684
	132	125	263					
	157	150	238					
	182	175	217					

\* Unit performance measured according to ISO 1217, Annex C, latest edition

\*\* Noise level measured according to ISO 2151 2004.

## CPVS 40-50 PM

Model	Min. working pressure	Reference working pressure	Motor Power	Min. FAD*	Free Air Delivery @ reference conditions* Max. FAD*					Noise level **	Cooling air flow	Weight	
				100 psi	100 psi	125 psi	150 psi	175 psi	No Dryer			With Dryer	
	psi	psi	hp	cfm	cfm	cfm	cfm	cfm	db(A)	cfm	kg		
CPVS 40 PM	58	175	40	31	202	186	168	147	67	2884	1058	1318	
CPVS 50 PM	58	175	50	49	246	228	206	175	70	4561	1124	1385	

\* Unit performance measured according to ISO 1217, Annex C, latest edition

\*\* Noise level measured according to ISO 2151 2004.

## Dimensions

### CPC<sub>g</sub> 40-60

	Length	Width	Height
	in.	in.	in.
No Dryer	52	32.7	61.2
With Dryer	71.3	32.7	61.2

### CPVS 40-50 PM

	Length	Width	Height
	in.	in.	in.
No Dryer	52	32.7	61.2
With Dryer	71.3	32.7	61.2

Celebrating  
**120** YEARS  
1901–2021

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At Chicago Pneumatic, we have a passion for performance and long-lasting partnerships with our customers in industrial applications, construction, infrastructure and maintenance. Since 1901, we have been committed to reliability based on technology and trust.





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# People. Passion. Performance.

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



The Compressed Air and Gas Institute, CAGI, is an organization dedicated to improving the compressed air industry through established standards. As a proud member of CAGI, CP Compressors publishes all technical data in accordance with CAGI/PNEUROPN2CPTC2 guidelines and voluntarily allows products to be selected for participation in CAGI's Performance Verification Program. With CP Compressors, our customers know they are receiving the excellent performance that we publish.



CP Compressors  
300 Technology Center Way, Suite 550  
Rock Hill, SC 29730  
1-877-861-CPAC (2722)

CP Compressors Canada  
2900 Argenta Rd. Unit 13  
Mississauga, Ontario L5N 7X9  
1-800-513-3782