

Chicago
Pneumatic



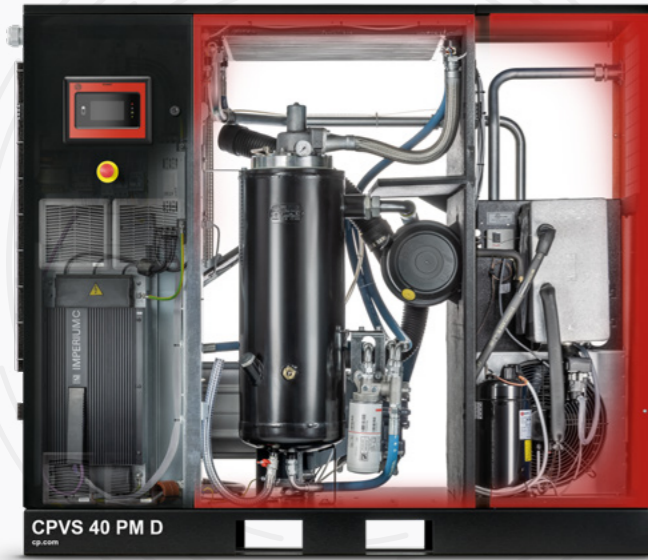
**Solid, simple
and smart**

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 30-45 kW compressor will be the undemanding, yet powerful heart of your compressor room for years to come.



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 30-45 kW compressors are super silent with sound levels as low as 66 db(A) to protect the health and comfort of your employees.



Superior build

- Updated, small footprint to save space and reduce noise levels.
- Reliable operation, even in ambient temperatures of up to 46°C.
- 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.



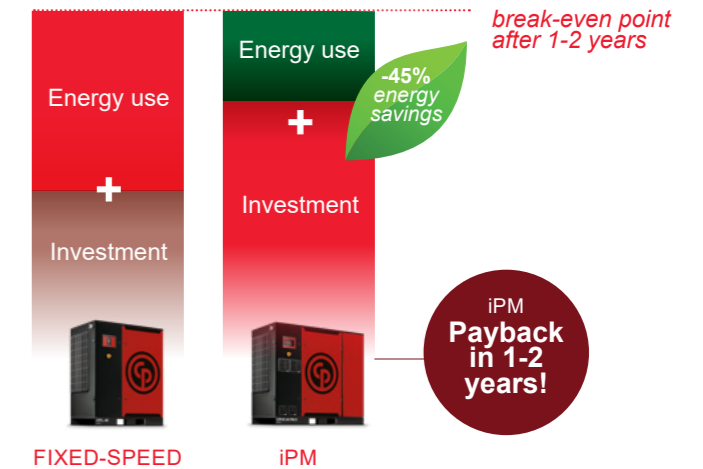
Low cost of ownership

- 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 Airlogic²T touchscreen controller maximizes performance and efficiency.

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



A complete offer

	+ TCO* savings	CPVS 40-50 PM
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	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

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 CO₂ 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 46°C.

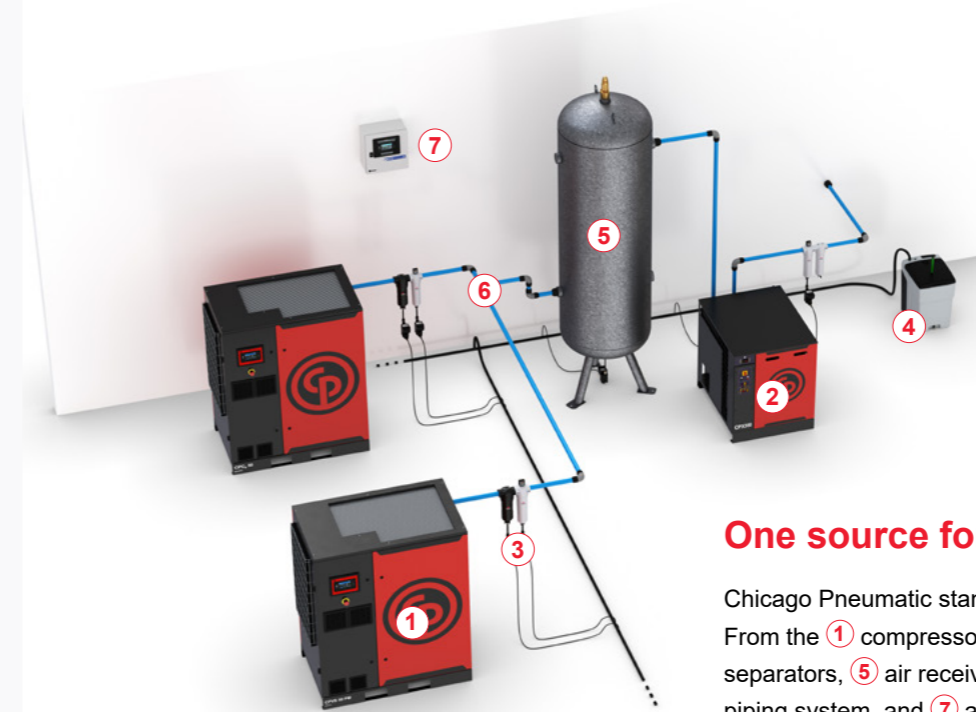
In-house designed compression element:
Gives you best-in-class Free Air Delivery and Specific Energy Requirement.



IP54 electrical cubicle:
Can withstand up to 60°C 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.



One source for all your air needs

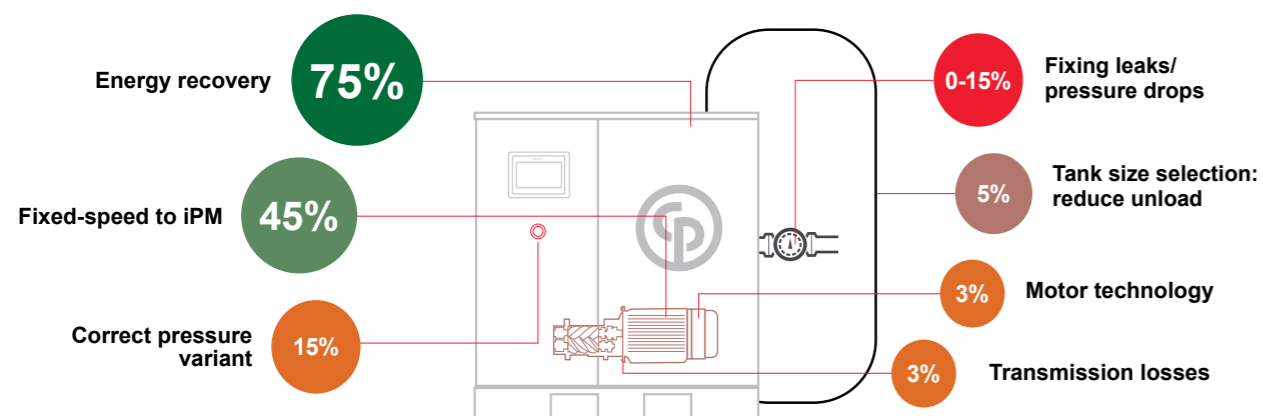
Chicago Pneumatic stands ready to meet all of your compressed air needs: From the ① compressor itself, to ② air dryers and ③ line filters, ④ oil-water separators, ⑤ air receiver buffer storage, ⑥ our own easy-to-install AIRnet piping system, and ⑦ a central controller to manage the entire system.

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.



State-of-the-art monitoring, control & connectivity

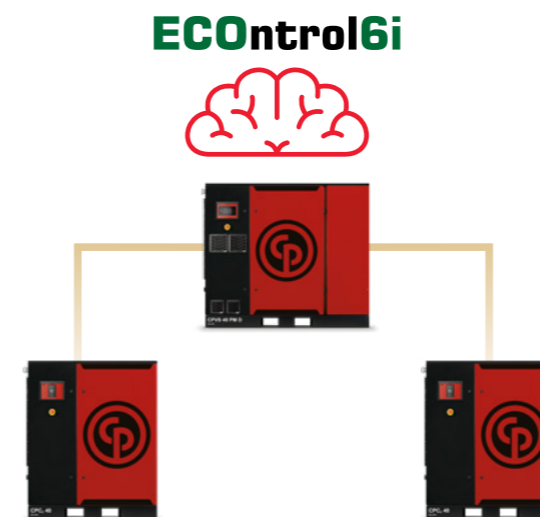
How do you get the most out of your CPCg (40-60) and CPVS (40-50) PM? It's all about monitoring, control and connectivity. The state-of-the-art Airlogic²T touchscreen controller gives you on-screen and remote insight into the performance of your compressor so you can optimize its efficiency, reliability and lifetime:

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



Enhance your air system performance with the 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_g 40-60

Model	Max. working pressure	Reference working pressure	Free Air Delivery @ reference conditions*			Motor power		Noise level **	Cooling air flow	Weight	
			psi	psi	m³/h	l/s	cfm			kW	hp
	psi	psi	m³/h	l/s	cfm	kW	hp	db(A)	m³/h	kg	
CPC _g 40	107	100	329	91.3	193	30	40	67	4900	530	640
	132	125	306	84.9	180						
	157	150	272	75.5	160						
	182	175	252	70.0	148						
CPC _g 50	107	100	407	113.1	240	37	50	70	5000	631	741
	132	125	373	103.5	219						
	157	150	339	94.1	199						
	182	175	320	88.9	188						
CPC _g 60	107	100	478	132.7	281	45	60	72	7950	646	764
	132	125	446	124.0	263						
	157	150	405	112.4	238						
	182	175	368	102.3	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		Pack	FF	
	psi	psi	kW	hp	cfm	l/s	cfm	l/s	cfm	l/s	cfm	l/s	cfm	l/s	db(A)	m³/h	kg	
CPVS 40 PM	58	175	30	40	53	14.7	344	95.5	315	87.4	285	79.2	249	69.2	67	4900	480	510
CPVS 50 PM	58	175	37	50	82	22.9	418	116.2	387	107.5	350	97.2	297	82.6	70	7750	510	628

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

** Noise level measured according to ISO 2151 2004.

Dimensions

	Length	Width	Height
	mm	mm	mm
Pack	1320	830	1555
FF	1810	830	1555



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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A large, stylized graphic of a fingerprint, composed of numerous red, curved lines that form the ridges and valleys of a fingerprint, set against a black background.

People. Passion. Performance.

For more information, please contact your CP partner:

Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.

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