

# Oil-injected Screw Compressor – 60Hz

Fixed Speed Compressor CPM 5.5-50, CPD 40-50 G

Variable Speed Compressor CPMV 10-50, CPVS 10-50 PM



People.  
Passion.  
Performance.



Chicago  
Pneumatic



# About Chicago Pneumatic

Since 1901, the **Chicago Pneumatic** name has represented reliability and attention to customer needs, as a global manufacturer of power tools, air compressors, generators, light towers, and hydraulic equipment for professional and industrial applications. It represents products that are engineered for high performance. In addition to pioneering design, high-impact technology and durability, **Chicago Pneumatic** means **customer value**.

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.

All this has come together because we have consistently practiced our brand promise:

**People. Passion. Performance.**



# Define your needs, our broad offers does the rest

Going for our extensive offer of oil-injected screw compressors below 37kW, you choose for **reliable performance, thrustworthy technology** and **increased efficiency**. These ranges are also suitable for more demanding applications and can be deployed in harsh working conditions.

## Fixed speed



Noise level		63-73 dB(A)
FAD		9-113 l/s
Power		5.5-50Hp/4-37kW
Pressure		7-10 bar
Weight		152-564kg

### User benefits

- Easy and user-friendly operation
- Robust design, ready to operate in hard working conditions
- Fast and easy maintenance, all consumables are easy to reach and maintain

## Variable speed










Noise level		70-75 dB(A)
FAD		13-107 l/s
Power		10-50Hp/7.5-37kW
Pressure		Max 1.3 bar
Weight		205-413kg






### User benefits

- Inverter technology perfectly matching the air flow with the air demand saving energy costs up to 30% compared to fixed speed compressor
- Highly efficient element ensures low energy consumption and long term performance
- User-friendly controller for full control

# CPM & CPD Series 5.5-50Hp/4-37kW

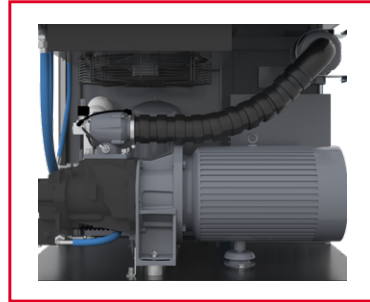
## Technical data

Model										
	Pressure		Motor		Capacity*		Noise	Weight	Connection	Dimension
	Mpa	psig	hp	kW	l/s	cfm	dB(A)±2	KG	G	LxWxH(mm)
CPM 5.5	0.8	115	5.5	4	10	20	63	152	1/2	650x650x890
	1.0	145			9	18				
CPM 7.5	0.8	115	7.5	5.5	14	29	63	166	1/2	650x650x890
	1.0	145			11	24				
CPM 10	0.8	115	10	7.5	19	40	63	175	1/2	650x650x890
	1.0	145			15	32				
CPM 15	0.7	100	15	11	29	62	69	295	3/4	850x790x1260
	0.8	115			29	62				
	1.0	145			24	50				
CPM 20	0.7	100	20	15	38	80	71	345	3/4	850x790x1260
	0.8	115			38	80				
	1.0	145			32	67				
CPM 25	0.7	100	25	18.5	49	104	73	370	1	850x790x1260
	0.8	115			49	104				
	1.0	145			43	91				
CPM 30	0.7	100	30	22	63	133	71	440	1	1250x850x1000
	0.8	115			60	126				
	1.0	145			55	116				
CPM 40	0.7	100	40	30	89	189	72	565	1 1/2	1430x950x1200
	0.8	115			83	177				
	1.0	145			74	157				
CPM 50	0.7	100	50	37	110	233	72	620	1 1/2	1430x950x1200
	0.8	115			103	219				
	1.0	145			94	199				
CPD 40 G	0.7	100	40	30	87	185	69	821	1 1/2	1723x980x1600
	0.8	115			87	184				
	1.0	145			77	164				
CPD 50 G	0.7	100	50	37	106	224	70	846	1 1/2	1723x980x1600
	0.8	115			106	224				
	1.0	145			96	203				

Model										
	Pressure		Motor		Capacity*		Noise	Weight	Connection	Dimension
	Mpa	psig	hp	kW	l/s	cfm	dB(A)±2	KG	G	LxWxH(mm)
CPM 5.5 TMDD	0.8	115	5.5	4	10	20	63	316	1/2	1547x650x1473
	1.0	145			9	18				
CPM 7.5 TMDD	0.8	115	7.5	5.5	14	29	63	330	1/2	1547x650x1474
	1.0	145			11	24				
CPM 10 TMDD	0.8	115	10	7.5	19	40	63	368	1/2	1547x650x1475
	1.0	145			15	32				
CPM 15 TMDD	0.7	100	15	11	30	63	69	430	1	1565x790x1784
	0.8	115			30	63				
	1.0	145			23	48				
CPM 20 TMDD	0.7	100	20	15	38	79	71	541	1	1565x790x1784
	0.8	115			38	79				
	1.0	145			33	70				
CPM 25 TMDD	0.7	100	25	18.5	51	107	73	564	1	1565x790x1784
	0.8	115			50	106				
	1.0	145			43	91				

\* Unit performance measured according to ISO 1217, Annex C, latest edition and ISO 2151.

## Easy maintenance



- **Easy and fast maintenance**  
Easy maintenance and very low pressure drop thanks to the new oil separation
- **Chicago Pneumatic in-house design element**  
Guarantees stable compressor air supply and efficient operation
- **ES4000T controller 4.3" HD**  
Graphic touch controller integrated with intelligent connectivity

## Extra reliability



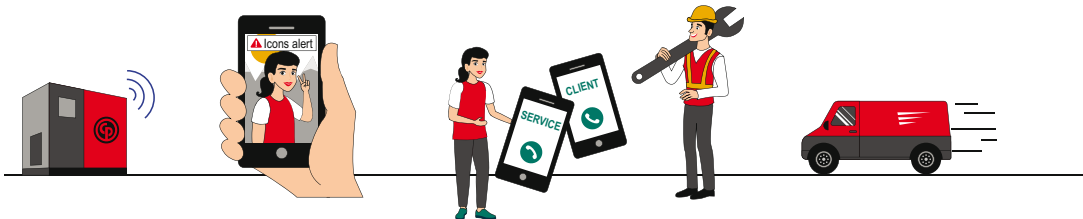
- Offer a simple plug-and-play solution
- Lower noises <64dB(A) for your silent working environment
- Offers extra reliability with belt driven

## Complete your compressed air installation with an ICONS plan

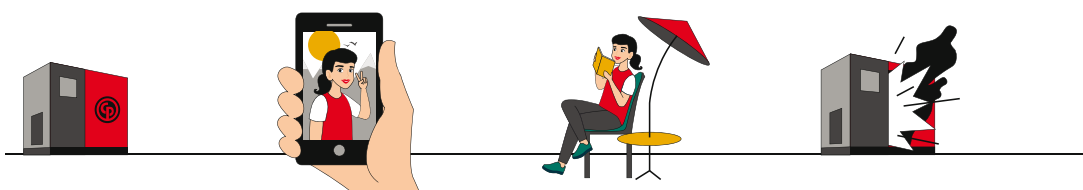
What if your compressor needs service or an immediate intervention?  
With an ICONS plan, you get an alert from your controller delivered straight to your computer, tablet or smartphone.  
Wherever you are, you can take immediate action and reduce the risk of downtime and other costs.



### With connectivity



### Without connectivity





# CPMV & CPVS series 10-50Hp/7.5-37kW



## The performance comes with the technology

The CPMV and CPVS screw compressors are up to 35% more energy efficient than an equivalent power sized piston compressor. The CPVS is also designed to work continuously if needed, this allows you to get 100% performance, 24 hours a day, from your equipment without fearing a single fail.



## Technical data

Model	Pressure		Motor		Capacity*		Noise	Weight	Connection	Dimension
	Mpa	psig	hp	kW	l/s	cfm	dB(A)±2	KG	G	LxWxH(mm)
CPMV 10	0.7-1.0	100-145	10	7.5	3.1-19	6.6-41	73	205	3/4	850x750x1000
CPMV 15	0.7-1.0	100-145	15	11	4.5-29	9.5-61	73	205	3/4	850x750x1000
CPMV 20	0.7-1.0	100-145	20	15	7.8-35	17-73	73	205	3/4	850x750x1000
CPMV 25	0.7-1.0	100-145	25	18.5	10-54	21-115	73	280	1	950x850x1080
CPMV 30	0.7-1.0	100-145	30	22	12-61	25-129	73	290	1	950x850x1080
CPMV 40	0.7-1.0	100-145	40	30	23-88	49-186	76	362	1 1/2	1130x950x1200
CPMV 50	0.7-1.0	100-145	50	37	31-107	66-226	77	416	1 1/2	1130x950x1200
CPVS 10 PM	0.7-1.3	100-190	10	7.5	3.3-20	7.0-42	73	230	3/4	1100x850x1080
CPVS 15 PM	0.7-1.3	100-190	15	11	5.3-30	11-64	73	231	3/4	1100x850x1080
CPVS 20 PM	0.7-1.3	100-190	20	15	6.6-36	14-77	73	241	3/4	1100x850x1080
CPVS 25 PM	0.7-1.3	100-190	25	18.5	10-57	21-120	73	313	1	1250x950x1180
CPVS 30 PM	0.7-1.3	100-190	30	22	12-64	25-135	73	321	1	1250x950x1180
CPVS 40 PM	0.7-1.3	100-190	40	30	22-94	47-199	74	412	1 1/2	1330x950x1200
CPVS 50 PM	0.7-1.3	100-190	50	37	32-107	68-226	73	413	1 1/2	1330x950x1200

\* Unit performance measured according to ISO1217, Annex C, latest edition and ISO 2151

# 1 Inverter

Market proven design specially for air compressor regulation, brings the most matched air supply with minimum energy consumption



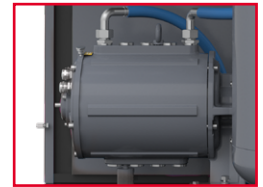
# 2 ES4000T controller

A unique touch control unit, professionally programmed for intelligent monitoring and connectivity



# 3 Drive train

Patented oil cooled permanent magnetic drive train designed to give long term and reliable service



# 4 Simple maintenance

Quick access to service. Suction cooling air flow supports visual inspection with open-door



## 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 35%.

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

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

