



Chicago Pneumatic



Industrial Air Compressors

People. Passion. Performance.

The 6 things you should consider when buying a compressor

Check if you have enough power to operate your compressor requirement. When you consider buying a compressor, the offer is wide and can appear quite complex. Here are 6 basic rules to help you finding the compressor that suits your needs.

1. Define the tools you will work with to define the total Free Air Delivery requirements (FAD). FAD is often expressed in CFM (cubic feet per minute) or l/m (liter per minute)

To select the right compressor, you need to know the total CFM of all your individual air applications. Add an additional margin of 25% to cover inefficiencies in your network and future growth. FAD is the most important selection criterium.

Required CFM = (CFM tool 1 + CFM tool 2 + CFM tool n) + 25% of total CFM

2. Define your electrical requirements

Check if you need a 1 phase or 3 phase compressor. When you have variable flow requirements and more than 5 minutes load, consider a frequency driven compressor. Most of the time, your air consumption will not be constant, so you can gain a lot on energy efficiency.

3. Define the comfort you need in terms of noise level

With a separate compressor room and an air network, there are less requirements considering the compressor noise level. If you want to position your device close to your working area, silenced compressors are ideal for you.

4. Define the accessories you need

You have delicate air equipment or care extra about the environment, so you need special clean or dry air? Quality Air solutions like dryers and filters exist in many forms, separate or integrated if you require moisture free air.

5. Check the quality label

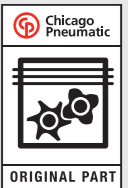
For an optimal return on investment, look for guarantees, like ISO conformity and genuine parts so you can enjoy a long, safe and efficient lifetime of your compressor.

6. Check ease of maintenance, parts and service availability

Check serviceability of the device, service intervals and if easy access to genuine parts and services is guaranteed.

You want to verify your choice? Our team is ready to support you with their professional advice on Chicago Pneumatic compressors.

Check out your nearest contact at www.cp.com





CPVS Gear driven Variable Speed Compressors From 40 To 125HP

The Chicago Pneumatic CPVS variable speed compressor series allows you to drastically reduce your operating costs when your compressed air system is not working at full capacity all day long. Basically the inverter reduces the motor speed to match your air consumption, and as a result, you save energy and money.

The CPVS is great as a stand-alone machine or networked to a load-unload Chicago Pneumatic compressor where it can function as a master and regulate the air delivery for the whole site.



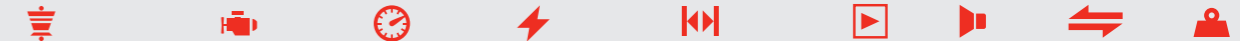
CPVS series: Floor Mounted

Technology	Screw
Use	Continuous
Air quality	Standard
Noise level	Standard



User benefits

CPVS saves money Our technology reduces the operating cost for your compressed air system by over 20%.	Perfectly matched inverter Leading inverter brand is perfectly matched to electric motor and air end for maximum energy savings.	Built to last Designed for continuous duty and perfectly matched to the inverter speed regulation.	Advanced control and monitoring Accurate control to work at the most optimal conditions.	State of the art screw element Extraordinary efficient drive train Unique 4/6 screw air ends for premium performance. Gear drive eliminates transmission losses and reduces running cost.



Type	l/m	m³/h	cfm	HP	kW	bar	psi	volt	L x W x H (mm)	Start	dB(A)	connection gas	Kg
CPVS 20/8	900	54	32	20	15	8	116		1450 x780 x1200	IVR	68	G1	465
	2280	137	81							IVR			
CPVS 20/10	780	47	28	20	15	10	145		1450 x780 x1200	IVR	68	G1	465
	2100	126	74							IVR			
CPVS 25/8	1140	68	40	25	18.5	8	116		1450 x780 x1200	IVR	69	G1	490
	2880	173	102							IVR			
CPVS 25/10	960	58	34	25	18.5	10	145		1450 x780 x1200	IVR	69	G1	490
	2460	148	87							IVR			
CPVS 30/8	1440	86	51	30	22	8	116		1450 x780 x1200	IVR	69	G1	510
	3420	205	121							IVR			
CPVS 30/10	1200	72	42	30	22	10	145		1450 x780 x1200	IVR	69	G1	510
	3000	180	106							IVR			
CPVS 40/8	1802	108	64	40	30	8	116		1680 x950 x1500	IVR	65	1" ½	850
	5040	302	178							IVR			
CPVS 40/10	1484	89	52	40	30	10	145		1680 x950 x1500	IVR	65	1" ½	850
	4440	266	157							IVR			
CPVS 50/8	2239	134	79	50	37	8	116		1680 x950 x1500	IVR	66	1" ½	850
	6120	367	216							IVR			
CPVS 50/10	1830	110	65	50	37	10	145	380V/3ph/50Hz	1680 x950 x1500	IVR	66	1" ½	850
	5520	331	195							IVR			
CPVS 60/8	2722	163	96	60	45	8	116	380V/3ph/60Hz	1680 x950 x1500	IVR	67	1" ½	890
	7380	443	261							IVR			
CPVS 60/10	2296	138	81	60	45	10	145	400V/3ph/50Hz	1680 x950 x1500	IVR	67	1" ½	890
	6540	392	231							IVR			
CPVS 75/8	3180	191	112	75	55	8	116		2260 x1060 x1595	IVR	72	2"	1450
	9480	569	335							IVR			
CPVS 75/10	2700	162	95	75	55	10	145		2260 x1060 x1595	IVR	72	2"	1450
	8220	493	290							IVR			
CPVS 95/8	4260	256	151	95	75	8	116		2260 x1060 x1595	IVR	72	2"	1450
	12180	731	430							IVR			
CPVS 95/10	3660	220	129	95	75	10	145		2260 x1060 x1595	IVR	72	2"	1515
	10800	648	382							IVR			
CPVS 100/8	4440	266	157	100	75	8	116		2260 x1060 x1595	IVR	72	2"	1690
	13500	810	477							IVR			
CPVS 100/10	3660	220	129	100	75	10	145		2260 x1060 x1595	IVR	72	2"	1690
	11580	695	409							IVR			
CPVS 120/8	5400	324	191	125	90	8	116		2260 x1060 x1595	IVR	73	2"	1750
	16140	968	570							IVR			
CPVS 120/10	4260	256	151	125	90	10	145		2260 x1060 x1595	IVR	73	2"	1750
	13260	796	469							IVR			

Chicago Pneumatic: full offer, global presence



Industrial screw compressors



Screw compressor with tank



Inverter compressors



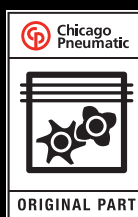
Gear driven compressors



Refrigerant dryers



Filter



**Original parts.
Your quality assurance.**

DISTRIBUTED BY



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The 'original part' identification confirms that these components passed our strict test criteria. All parts are designed to match the compressor and are approved for use on the specified compressor. They have been thoroughly tested to obtain the highest level of protection, extending the compressors' lifetime and keeping the cost of ownership to an absolute minimum. No compromises are made on reliability. The use of 'original part' certified quality components helps ensure reliable operation and will not impact the validity of your warranty, unlike other parts. Look for your quality assurance.

www.cp.com