

Since 1901 the Chicago Pneumatic name has represented reliability and attention to customer needs, with tools and compressors designed for specific industrial applications. Today, Chicaco Pneumatic has a global reach, with local distributors around the world. 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. To learn more, visit www.cp.com.

Chicago Pneumatic: full offer, global presence



TMD



CPVS



WIS AIR



Spiral Air



PPNGs



TAS

Chicago Pneumatic Compressors
Sveanagar, Mumbai Pune Highway, Dapodi,
Pune - 411012 Maharashtra, India.
Phone: + (91) 93 7191 9200 / 93 2417 4988

ORIGINAL PART

Design
Manufacture,Sales and
Service of air compressors,
Air dryers and air filters

ISO 9001 . ISO 14001
OHSAS 18001
Forms an integral part of each
business process of Chicago
Pneumatic Compressors

Dealer Network



Regional Customer Centers

West	Rushabh, II Floor, Near American Heart Institute, Ghodbunder Road, Thane (W) - 400601
	93241 74565 / 93256 36552
	sales.west@cp.com / service.west@cp.com
North	Unitech Business Park, Tower - A, First Floor, Block - F, Sector - 41, South City-I, Gurgaon - 122001
	93124 06866 / 93124 17744
	sales.north@cp.com, service.north@cp.com
East	Merlin Acropolis, 14th Floor, Office Unit No. 15/3, 1858/1, Rajdanga Main Road, Kolkata 700107, West Bengal, India.
	93322 90559 / 93322 91224
	sales.east@cp.com, service.east@cp.com
Central	4th Floor, Block A, Amsri Shamira Building, Old Lancer Lines, Secunderabad - 500 025
	88861 78825 / 93924 06641
	sales.central@cp.com, service.central@cp.com
South	No. 1-A, Kushal Garden, Peenya Industrial Area, Peenya 2nd Phase, Bangalore - 560 058
	93677 87070 / 93421 44450
	sales.south@cp.com, service.south@cp.com

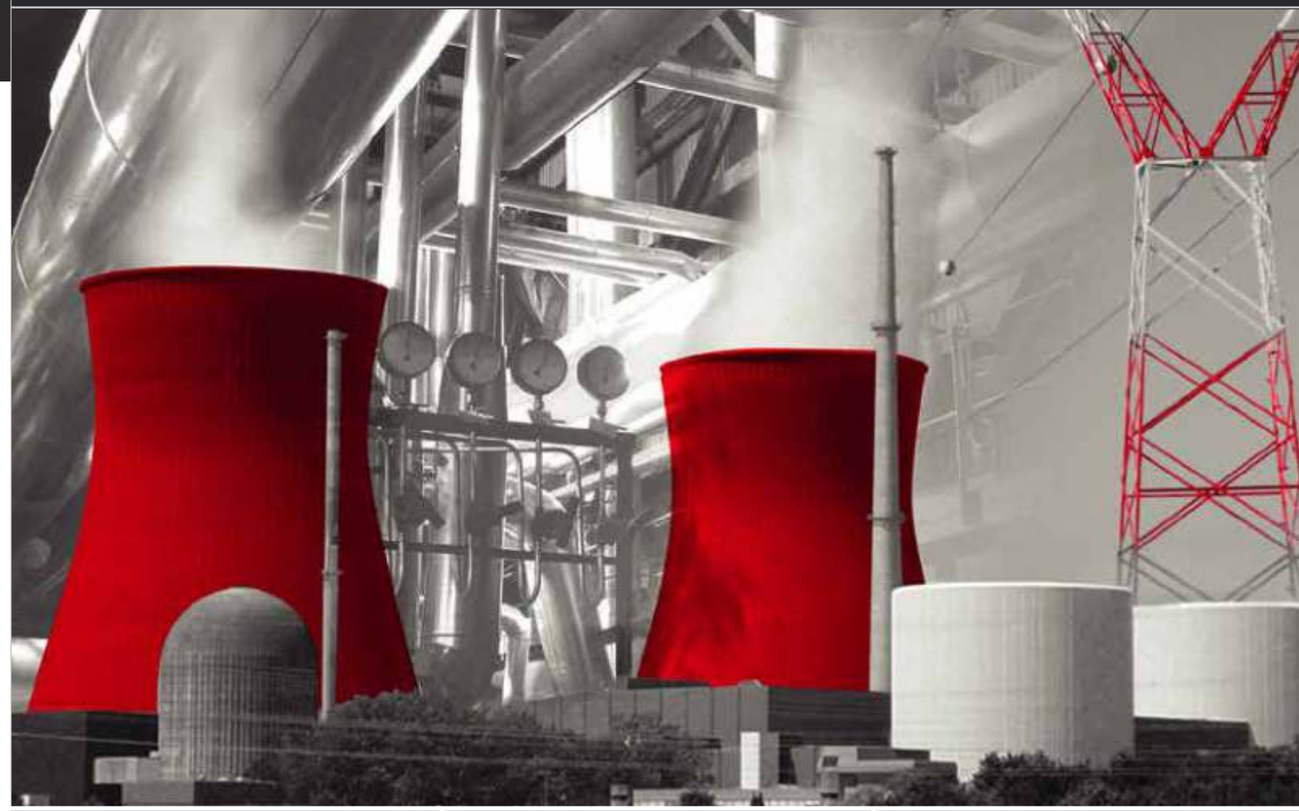
Area offices: Ahmedabad, Baroda, Chandigarh, Chennai, Pune
Resident offices: Coimbatore, Erode, Kochi, Jaipur, Raipur, Vizag

Toll Free No.: 1800 200 0040

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Screw Compressors

CPE 100 – CPF 480 and CPVS 100 – CPVS 340









People.
Passion.
Performance.

Chicago Pneumatic



Over 100 years industrial presence in India

Chicago Pneumatic (CP) is a global leader in the design, manufacture and distribution of high-performance compressors. In addition to pioneering design, high impact technology and durability, Chicago Pneumatic means Customer Value. Our goal is to deliver best-in-class global service and local support to our customers through a dedicated product portfolio and a strong network of authorized distributors. We generate added value by delivering the best solution to your needs based on our decades of experience.

Today, CP is a global brand that offers products for countless applications and almost every industry . We are also proud to say that after all these years, CP still stands for reliability, durability and customer value.

Decades of Innovation

- 1915 Trading operations
- 1957 1958 Consolidated Pneumatic Tool Company (India) Ltd was incorporated
- 1971 Factory at Nashik
- 1984 Factory at Halol
- 1985 New Pistons Technology Launched
- 1987 Chicago Pneumatic becomes part of Atlas Copco
- 1993 51% Foreign Shareholding Chicago Pneumatic India Ltd.
- 1994 ISO Certification
- 2001 Chicago Pneumatic merged with Atlas Copco in India
- 2015 Completing 100 years in India

Main Benefits:

- Excellent performance
- Assured reliability
- Longer life
- Continuous duty operation
- Lower oil residual in compressed air
- Pulsation free air

Gearbox Driven

“Maximized productivity”



User benefits

- Time-proven design with highest reliability
- Robust, built-to-last compressor
- High performances and reduced energy consumption
- In house designed screw compression element for maximum uptime and efficiency
- Low maintenance and installation costs

Noise level	FAD	Power	Pressure
73 – 80 dB (A)	362 – 2135 CFM	100 – 480 HP	7 - 13 bar

Inverter Driven

“Top value through energy efficiency”



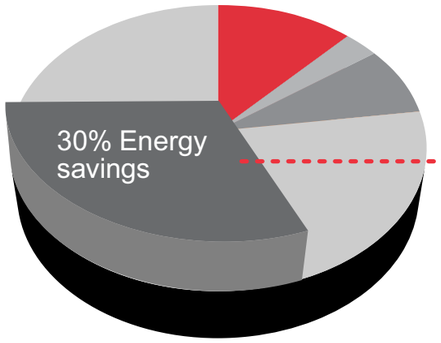
User benefits

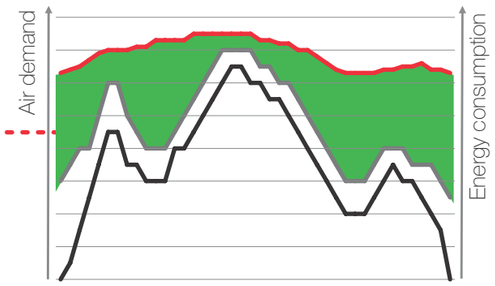
- Cut your energy bill by 30%
- Optimal efficiency perfectly matching the air flow
- Quick return on investment
- Additional savings thanks to the advanced functionalities of the controller
- Energy recovery option that allows you to recuperate 75% of energy

Noise level	FAD	Power	Pressure
75 – 80 dB (A)	368 – 1467 CFM	100 – 340 HP	7 - 13 bar

We protect your effciency

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 30%.





- 12% investment
- 3% installation
- 8% Service
- 77% Energy consumption

- Air demand
- Variable frequency driven costs
- Load Unlaod costs
- Savings

Inverter driven compressors reduce the energy consumption through:

Air End

The unique in-house designed air end with 4/6 screw profile results in:

- Optimum energy efficiency over the entire speed range
- No internal leakages in the compression chambers
- Unique screw profile ensuring premium efficiency

Motor

Superior quality and efficiency are guaranteed thanks to:

- Smart transmission engineering to minimize the internal loads resulting in longer bearing lifetime -
- A perfect match between screw technology and gear box resulting in no long term losses
- Robust design using casted, heavy duty components

Inverter

Thanks to the inverter driven technology you can save up to 30% on energy cost because of:

- A perfect match of air demand and air supply
- No unload cycles above 20% load
- No peak currents thanks to soft start up

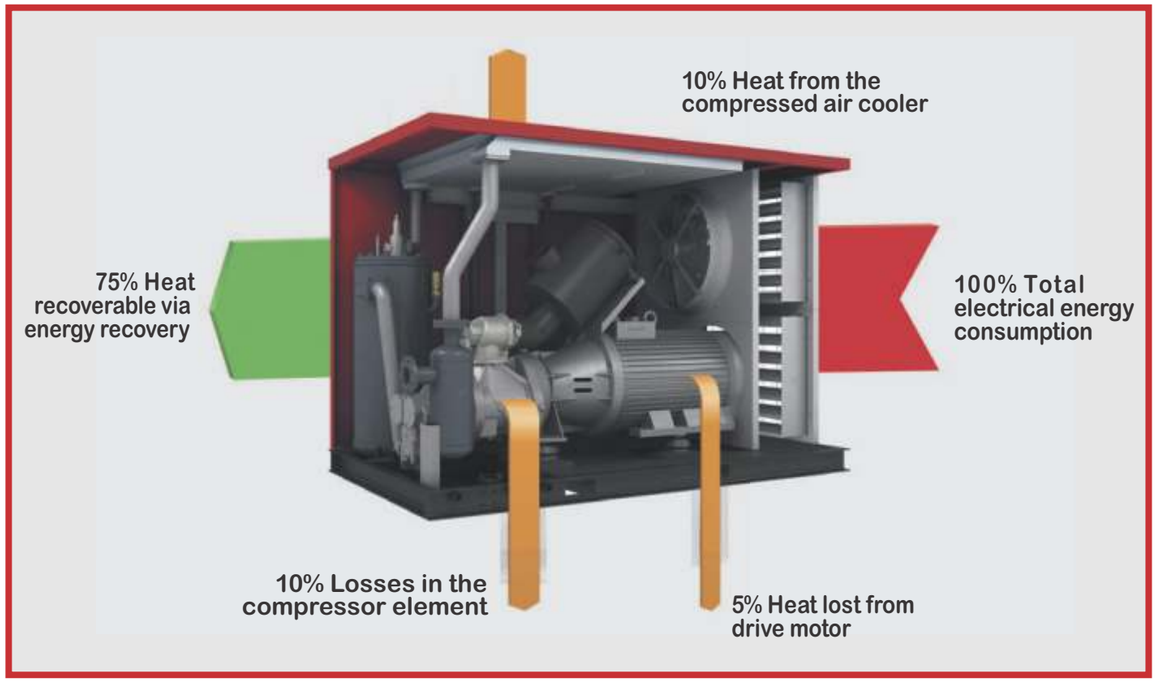
Controller

The full colour graphic controller brings intelligent saving features thanks to:

- Optimum zone control
- Integrated sequencer for 4 up to 6 compressors
- Web visualization
- No pressure fluctuation thanks to instant pressure logging and communication with compressor drive
- Dual pressure band operation

We recover your energy

When air is compressed, heat is formed. The excess heat can be captured with an energy recover option and channeled to other applications allowing you to save energy and cut costs.





Heat recovery - Recover 75% of your energy

In the case of water-cooled or air-cooled compressors, the oil circuit is pre-cooled with an oil/water heat exchanger. Water then becomes the fl uid transport media to recover the oil temperature. The hot water resulting from this process can be used to heat radiators or water boilers, pre-heat supply water or hot tap water, and other industrial applications. The energy recovery option integrates a heat exchanger on the oil circuit, which heats up the continuously pressurized water fl ow. The system is regulated automatically, and in case of limited water cooling capacity, the standard cooling system of the compressor will operate and backup the energy recovery device. The energy recovery option is a simple mechanical system that requires no maintenance or electricity consumption, but offers you signifi cant reductions in your energy costs.

Component overview

Screw Element
- Patented asymmetric Profile
- Premium Performance
- Highest efficiency
- In-house design
- Cold oil injection
- Multiple injection point
- Unique 4/6 Profile
- Suitable for optimum zone
- Highest reliability

Pre Filtration Baffle
- Restriction to dust entry
- Cleaner compressor components
- Enhanced life of air filter

Optimized Cooling System
- Separate oil and air cooler
- Optimized for lower operating temperature
- High reliability
- Longer life



Pressurized Canopy
- Natural ventilation passage
- Smooth and consistent flow of cool ambient air
- Improved compression ratio
- Avoids suction pressure drop
- Protection to internal components from foreign particles

Intelligent Controller
- 3.5” full Colour screen
- User Friendly interface
- Running Parameters
- Intelligent unload cycle control
- Graphical indication service plan
- Additional communication possibilities

Efficient Air Filtration
- High quality filtration to maximize oil quality
- Protection to compressor element
- Long service life

Control Panel
- Reliable electrical components
- High Operator safety
- Optional efficiency
- Maximum reliability

Cooling Fan
- Optimal cooling flow
- Quite operation
- Lower operating temperature

Integrated Water Separator
- Efficient separation of bulk moisture
- Low pressure drop
- Automatic Drain
- Standard for CPF Range

Unloader
- Convenient and reliable design
- Vacuum assisted unloader
- One moving part
- Minimum wear and tear
- Highly reliable

Electric Motor
- High efficiency
- IP 55, Insulation Class F
- Designed for continuous operation
- Suitable for Indian conditions and temperatures up to 46^{0} C
- Premium Efficiency optional

Drive Train
- Gear box design
- Innovative design resulting smaller foot print
- Outstanding efficiency
- Increased reliability
- Robust design
- Heavy duty components

Air/Oil Separator
- Optimum oil separation in 3 stages
- Optimized for low operating temperature
- Oil carry over < 3 PPM
- Lowest pressure drop

Smart controller



Next generation controllers for easy access.

Advanced new generation controller with latest features to suit all your needs.

Chicago Pneumatic offers range of control and monitoring systems for all compressed air products. The next generation ES 4000 standard and advance controller system offers a great variety of control & monitoring features that allow you to increase your compressor's efficiency and reliability.

To maximize energy efficiency the controller has following features:

- Latest icon based controller
- Ideal for load / unload compressors
- Improved controller algorithm
- Continuous pressure follow up algorithm
- Auto restart after voltage failure
- Always restart (when activated)
- Loaded with communication ports
- Ethernet connection
- CAN connection
- I/O expansion connection

Dual pressure band

Multiple pressure bands can be switched using either of the following:

- Manually
- By timer
- By external DCS systems

By reducing the system pressure energy is instantly saved, a drop of 1 bar or 14.5 psi saves a total of 7% when leakage losses are taken into account.



Optional DCS connectivity



Connect & monitor the compressor from your control centre. Inbuilt RS 485 port facilitates DCS connectivity to your control centre.

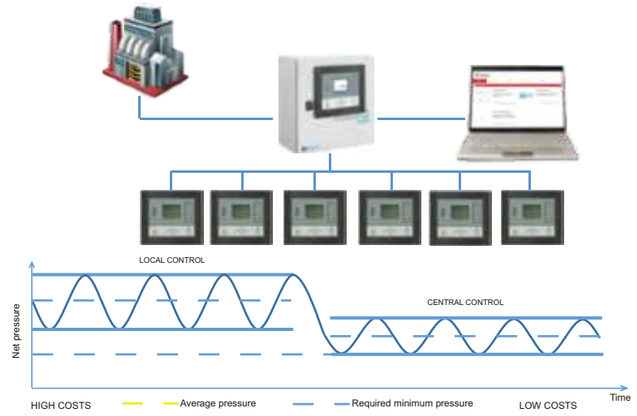


Online Monitoring

Monitor your compressor over ethernet with the new controller. Monitoring features include warning indication, compressor shutdown & many more...



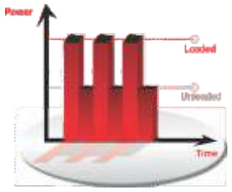
E Control 6 – central compressor control

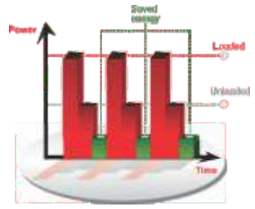


Centralised Control System capable to control up to 6 compressors with 2 Inverter Compressors, Connectable with Internet with the modern IoT Internet of Things technology.

Delayed Second Stop

- Most production processes create fluctuating levels of demand which, in turn, can create energy waste in low use periods.
- New Controller is more efficient - it keeps track of the time since the last stop occurred (Intelligent Unload Cycles)
- The result is that the machine can simply stop rather than unload, eliminating several minutes of unloaded running.
- Controller unloads rather than stops the machine if the pressure is dropping fast.
- Controller can predict the time until the minimum pressure limit is reached once the machine has stopped.
- Compressor restarts soon enough to ensure that the system pressure never drops below the desired minimum.





ICONS - Intelligent Connectivity System

With ICONS, there is no need for service logbooks or even regular visits to the compressor room.

A mouse click is all it takes to consult the service status of your compressor online.

A link takes you directly to your compressor supplier for a service quote request. It's fast and easy, and it's always there when you need it.





Eliminate water,oil & dirt from your air system for efficient productivity

Today, process equipments are extremely sophisticated which require compressed air free from impurities Ice moisture, of, dust etc.

Thanks to the reliable and efficient quality air solution products from Chicago Pneumatic customers are rest assured about the quality of air delivered at the point of applcation.



Online filters

Reliable filtration for superior system protection from dirt, oil and moisture.

G Series - Pre filter with micron rating 0.1, maximum oil carry over 0.1

C Series - After filter with micron rating 0.01, maximum oil carry over 0.008

V Series - Carbon activated filter with micron rating 0.005

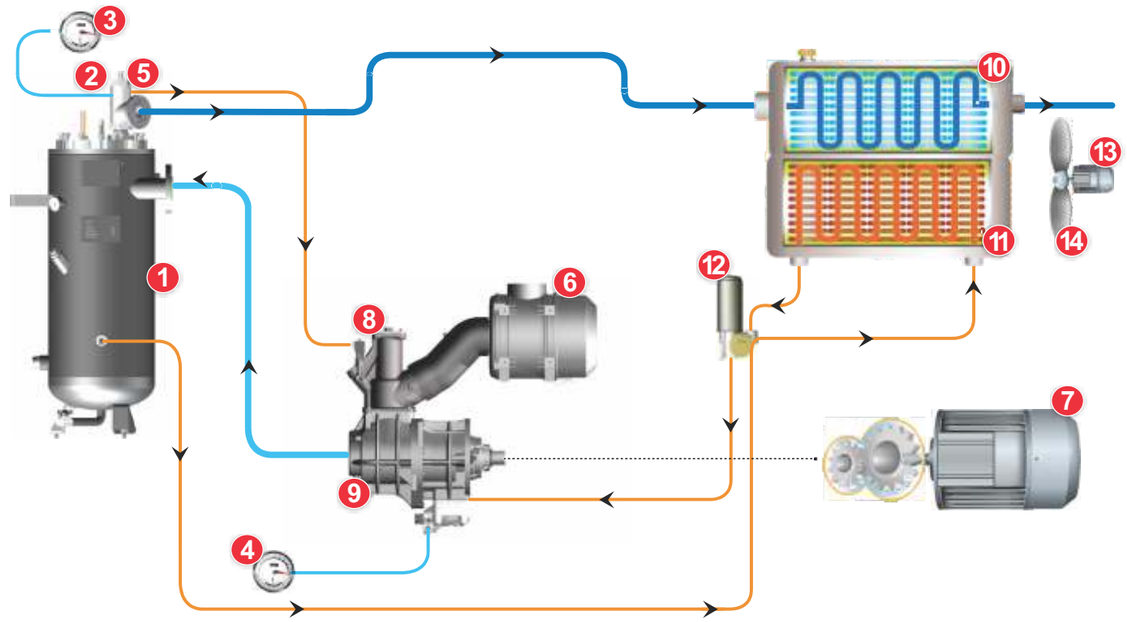
Refrigerated dryer

Environment friendly, quality dry air from refrigerated dryers for cost effective compressed air system.

Chicago Pneumatic dryer assures constant PDP of +3'at full load.



Flow Diagram



1 Air / Oil separator filter
2 Safety valve
3 Pressure gauge
4 Temperature switch
5 Minimum pressure valve
6 Air Filter (Air in)
7 Main Motor
8 Unloader
9 Screw element
10 After Cooler
11 Oil cooler
12 Thermostatic valve
13 Fan motor
14 Fan

Chicago Pneumatic Original Parts

Engineered lubricants

Chicago Pneumatic tailored coolants you can trust.

- Do not limit warranty of compressor.
- Maximum performance & efficiency.
- Tested and approved for all applications & environments.
- Increase significantly the reliability & minimizes risks absolutely.
- Extending the compressors' lifetime.
- Offer a firm grip on maintenance cost.



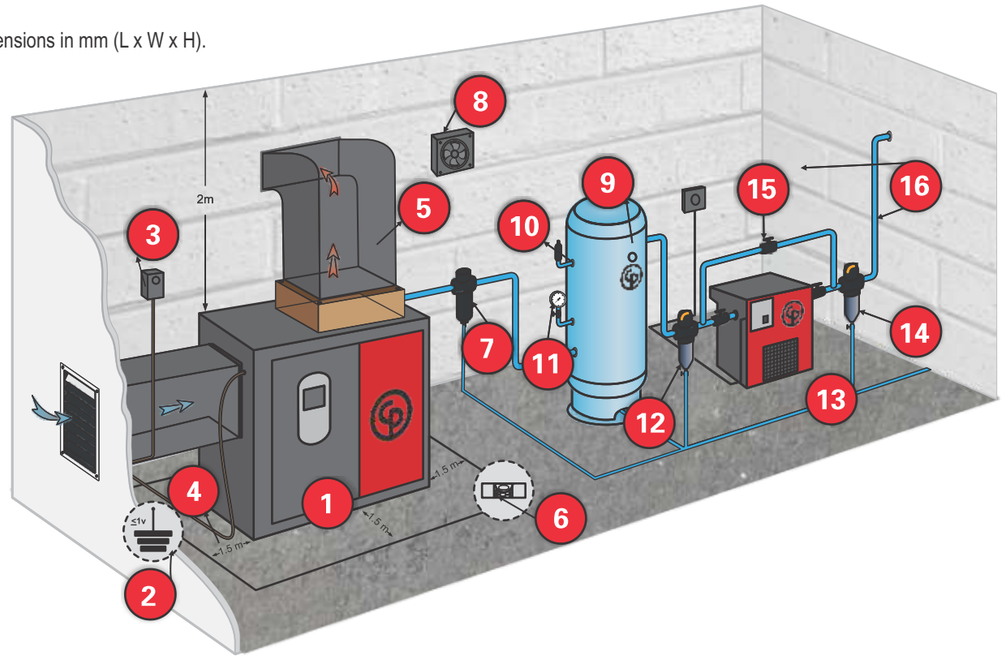


Lubricants are of vital importance.

- Look for your quality assurance! Use Chicago Pneumatic Original Parts. Chicago Pneumatic is always at your service with comprehensive screw kits:
- Easy
- Guranateed long life time
- Reliable operation
- All-in-one cost effectiveness

Maintenance and installation guidelines

Dimensions in mm (L x W x H).



1 Compressor
2 Earthing
3 SFU (switch fusing unit)
4 Copper cable
5 Exhaust dust
6 Floor leveling
7 Moisture separator
8 Exhaust fan
9 Air receiver
10 Safety valve
11 Pressure gauge
12 Pre-filter
13 Dryer
14 After Filter
15 By pass valve
16 Air Net Pipings

- Use Chicago Pneumatic Genuine parts only.
- Use service kits as per the service schedule.
- Compressor service should be carried out by trained professionals only.
- Use of Safety PPE during maintenance schedule is a must.
- LMRA and use of LOTO during maintenance schedule is mandatory.
- Hazardous waste disposal to be regulated through authorised agency only.



Fixed Speed

Model	HP	Pressure (BAR G)				CFM				dB(A)	End Connection	Weight (KG)	L	W	H
													MM		
CPE 100	100	7	-	10	13	517	-	429	362	73	2”	1640	2210	1060	1595
CPE 120	120	7	-	10	13	593	-	498	423	74	2”	1640	2210	1060	1595
CPE 150	150	7	8	10	13	704	672	562	475	74	2”	1870	2210	1200	1600
CPF 180	180	7	8	10	13	892	839	742	640	73	DN 80	3300	2855	1755	1930
CPF 220	220	7	8	10	13	1029	954	888	774	73	DN 80	3350	2855	1755	1960
CPF 270	270	7	8	10	13	1210	1168	1069	949	79	DN 100	3950	3525	1755	2005
CPF 340	340	7	8	10	13	1464	1387	1323	1157	80	DN 100	4170	3525	1755	2005
CPF 271	270	7	8	10	-	1384	1295	1175	-	77	DN 125	5200	4800	2155	2275
CPF 341	340	7	8	10	-	1628	1492	1390	-	77	DN 125	3350	4800	2155	2275
CPE 450	420	7	8	10	-	1848	1847	1704	-	78	DN 125	6350	5100	2150	2250
CPF 480	480	7	8	10	-	2137	2135	1887	-	79	DN 125	6380	5100	2150	2250

Inverter Driven

Model	HP	Capacity CFM (Min - Max)								dB(A)	End Connection	Weight (KG)	L	W	H
		7 Bar		8 Bar		10 Bar		13 Bar					MM		
CPVS 100	100	187	505	157	485	157	485	126	368	75	2"	1640	2260	1060	1595
CPVS 120	120	112	593	191	574	151	509	102	420	75	2"	1750	2260	1060	1595
CPVS 150	150	191	693	178	653	148	562	119	475	78	2"	2070	2255	1230	1600
CPVS 151	150	225	750	214	710	189	630	157	522	77	DN 80	3880	2845	1750	2100
CPVS 180	180	227	810	220	793	187	689	144	558	79	2"	2330	2255	1230	1600
CPVS 181	180	267	893	252	840	223	742	193	640	77	DN 80	3880	2845	1750	2100
CPVS 220	220	301	1000	290	971	267	888	233	774	78	DN 80	4010	2845	1750	2100
CPVS 270	270	363	1211	352	1170	322	1071	286	952	79	DN 100	4660	3600	2100	2025
CPVS 340	340	441	1467	418	1389	399	1325	354	1158	80	DN 100	4660	3600	2100	2025

FEW
SEGMENTS
WE SERVE...





