

Flexible Drive Rotary Screw Air Compressor

CPM Range 3 - 7 HP

CPA Range 10 - 20 HP

CPB Range 15 - 30 HP



People.
Passion.
Performance.



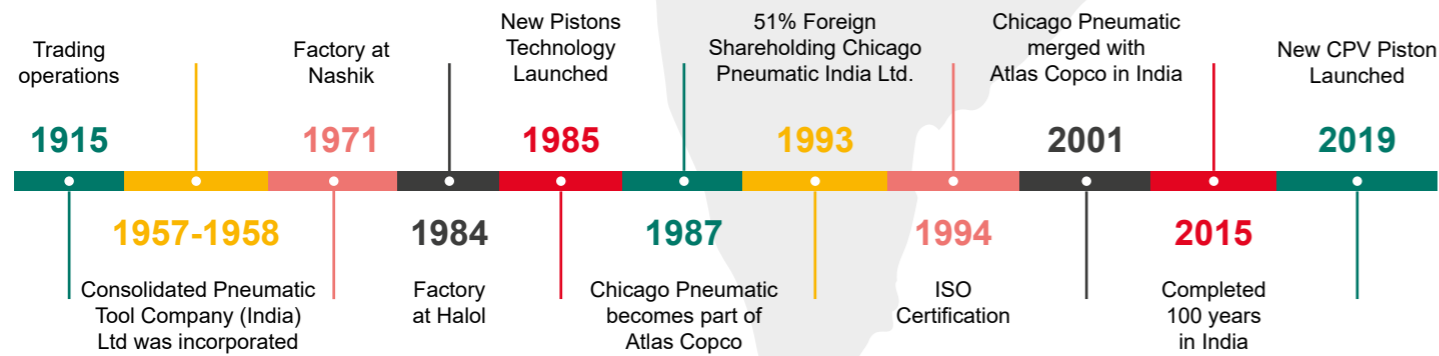
Chicago
Pneumatic

Over a 100 years of industrial excellence 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.

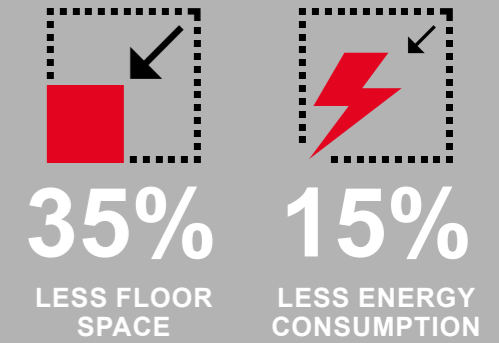
Decades of Innovation



CPB benefits

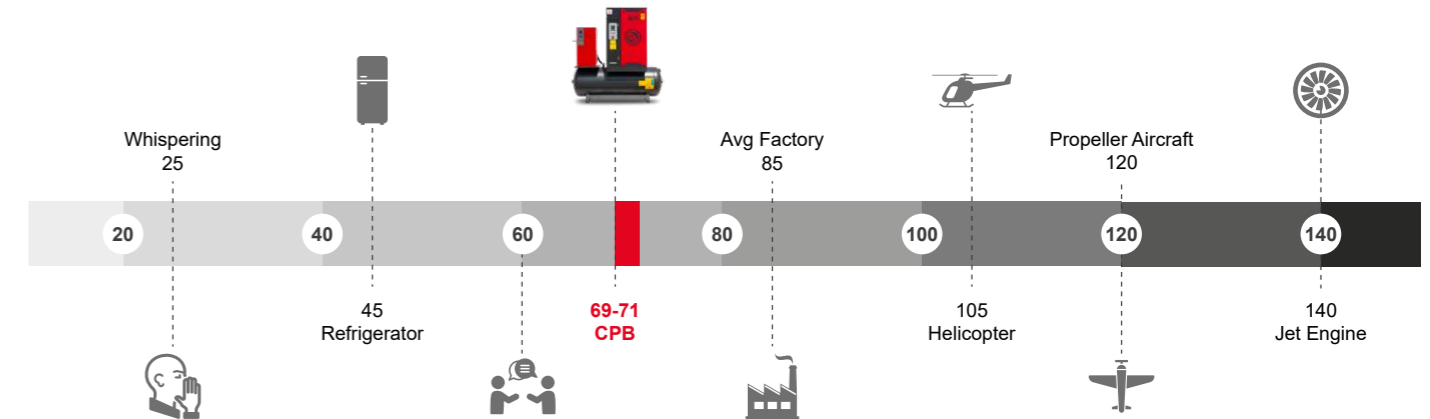


- Excellent performance
- Assured reliability
- Longer life
- Continuous duty operation
- Lower oil residual in compressed air
- Pulsation free air



*note: compared to previous design

Quiet operation



Designed for India's tropical conditions:

	European Condition	Tropical Condition
Temp	Max 20° C Min Sub Zero	Max 50° C Min Varying
Environment	Dust Free, Pressurized & Ventilated	Dusty Industrial
Mindset	Use & Throw	Use & Continue using

- Pre tensioned flexible drive
- Pressurized canopy
- Effective cooling
- Pre filter panel
- Natural ventilation passage



Product Features

Flexible Drive Rotary Screw Air Compressors

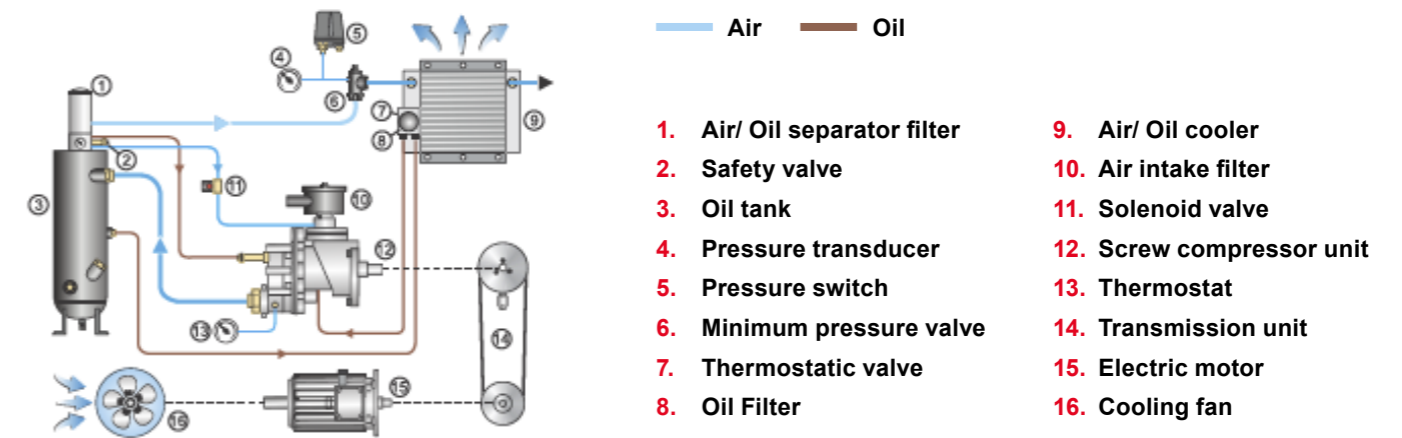


Unique design - Pressurized Canopy and Pre Filter

- Pre filter avoids any dust entry inside the canopy
- Pre filter maintains cleanliness inside canopy
- Pre filter enhances suction filter element life
- Natural ventilation passage provides smooth and consistent flow of cool ambient air
- Pressurized canopy interior avoids any suction pressure drop decreases compressor ratio



Flow diagram



Product variants - The CPB range

CPB Floor Mount	CPVR Floor Mount/TMD	CPB tank mounted with dryer
<ul style="list-style-type: none"> • Small foot print • Plug to existing receiver 	<ul style="list-style-type: none"> • Built in Inverter Drive (IVR) drive • Saves upto 35% Power 	<ul style="list-style-type: none"> • For moisture free and oil free application (with dryer and filter)

Quiet by design, complete and compact

Engineered for high performance, efficiency and reliability, the CPM air compressor series can meet the compressed air demands of a tire shop, maintenance shop, vehicle body shop, paint shop or automotive dealership. Quiet by design, the CPM can be installed almost anywhere, without disturbing your working environment. Base mounted or receiver mounted, with or without dryer, the CPM is the leading rotary screw compressor for service or light industrial applications.

Screw element

Main Benefits:

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



Design for tropical condition:

- Pre tensioned flexible drive
- Pressurized canopy
- Natural ventilation passage
- Effective cooling

Why tropical design is essential ?

	European Condition	Tropical Condition
Temp	Max 20° C Min Sub Zero	Max 50° C Min Varying
Enviro'	Dust Free, Pressurized & Ventilated	Dusty industrial
Mindset	Use & Throw	Use & Continue using

Why choose CPM screw compressors ?

Piston compressors		CPM screw compressors
70 - 75% of the intake air	Air yield	95% of the intake air More air for less power
Greater than 80 dB(A)	Sound level	From 61 to 65 dB(A) Almost as low as most household appliance
For intermittent use	Operation	For continuous use An industrial technology
High content of residual oil and humidity	Air quality	Low oil content and dry air in the version with dryer Cleaner air for better production
Alternating and pulsating	Compression	Continuous and consistent Uniform pressure in line for better functioning utility
High	Vibrations	Absent More reliable components
Thermal circuit breaker	Standard protections	Magnetic and thermal circuit breaker Greater operator safety

Features

Compact dimensions	Ideal for tire shops, maintenance shops, vehicle body or paint shops and automotive dealers, the CPM can offer you a complete unit (with dryer and 200L receiver) on just 1m ² . You can fit it easily to any free space without trouble.
Quiet operation	Generously sized sound insulation. This results The CPM links the rotary screw technology to a major disturbances to your working environment in noise levels so low that the compressor can be placed in most of the workplaces without
More output and less energy consumption	When compared to piston compressors, the exceptional efficiency of the CPM and the high output of the package ensure reduced power consumption, maximized output (capacity) and low cost per CFM produced.

A complete compressed air package - CPM TMD



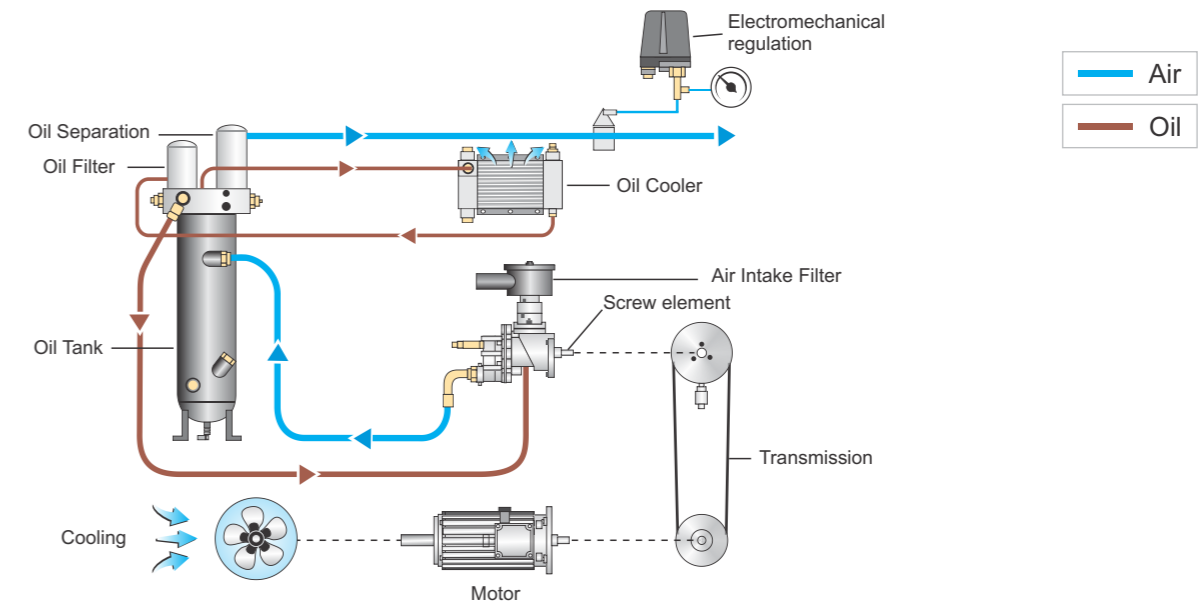
A complete system in less than 1m²

- Compressor
- Refrigerated Dryer
- Integrated Tank
- No interconnection piping required
- Pre- Wired
- Low pressure drop
- No installation cost
- Less chance for leakages
- Machine with first fill oil

Key user benefits

Easy operation	Efficient cooling	Built to last	Fast & cost effective maintenance
Compressed air plain and simple. Just connect the cables, pipes and press start.	Lower internal temperatures make your compressor more reliable and extend lifetime.	Designed for continuous duty and very hard working conditions.	No wearing parts: increases reliability and reduces maintenance costs.

Flow diagram



Technical data



Model	HP	Pressure (BAR G)	CFM	dB(A)	End Connection	Weight (KG)	
						TM	TMD
CPM 3	3	10	8	61	1/2"	175	209
CPM 4	4		11				
CPM 5	5		16	62		178	209
CPM 7	7.5		21				

- Note : 1. Unit performance measured as per ISO 1217: 2009Ed4.
 2. Noise level measured according to ISO2151 / Pneurop / CAGI PN8NTC2.
 3. All models available with 200 L receiver tank.
 4. All models available with optional Refrigerated dryers (suffix D).
 5. Maximum working pressure for machines with dryer is 9.75 bar.

Technical Data

Inverter Driven

Model	Pressure (In Bar)	Motor		Capacity CFM		Noise db (A)	End Connection	Weight (KG)				L W H in mm
		HP	kW	Min	Max			FM	TM	TMD	TMD	
CPVR 15/7	7	15	11	23	58	68	3/4"					FM : 851 X 590 X 1090 TMD 300 : 1485 X 620 X 1640 TMD 500 : 1860 X 620 X 1640
CPVR 15/10	10	15	11	20	50	68	3/4"					
CPVR 15/13	13	15	11	17	43	68	3/4"	230 FM Version	765 TMD 300 Version	765 TMD 500 Version		

Fixed Speed

Model	Motor HP	Capacity CFM			Noise db (A)	End Connection	Weight (KG)				L W H in mm
		7	10	13			FM	TM	TMD	TMD	
CPA 10	10	45	38	30	68	1/2"	180	245	300	365	FM : 855 X 590 X 1090 TM 270 : 1600 X 630 X 1340 TMD 270 : 1550 X 630 X 1340 TMD 500 : 1900 X 630 X 1470
CPA 15	15	63	52	44	68	1/2"	195	265	320	385	
CPA 20	20	73	64	53	68	1/2"	205	270	335	400	

Note:

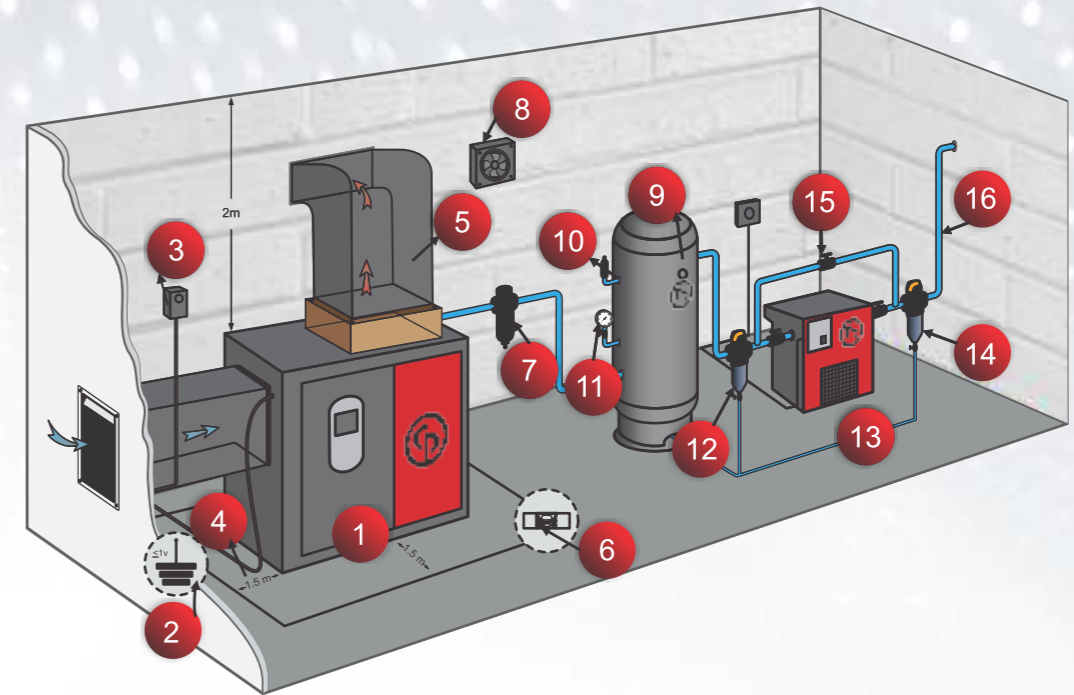
1. Unit performance measured according to ISO 1217 Ed 4 2009.
2. Noise level measured according to ISO 2151/ Pneurop / CAGIPN8NTC2
3. Receiver capacity options are 270 and 500 L (For TMD)

FM : Floor Mounted

TM : Tank Mounted Compressor (270 L)

TMD : Tank Mounted Compressor with Dryer and Filters (270 and 500 L)

Maintenance and Installation Guidelines



- | | | | |
|----------------------------|----------------------|-------------------|------------------|
| 1 Compressor | 5 Exhaust | 9 Air receiver | 13 Dryer |
| 2 Earthing | 6 Floor leveling | 10 Safety valve | 14 After filter |
| 3 SFU (Switch Fusing Unit) | 7 Moisture separator | 11 Pressure gauge | 15 Bypass valve |
| 4 Copper cable | 8 Exhaust fan | 12 Pre filter | 16 AirNet piping |

Air Xtend

Have Complete Peace of Mind with **Air Xtend**,
Our Extended Warranty Plan On **Screw Element**



*For more details contact service representative

To know more visit us at www.cp.com/en-in/Compressors

Technical Data

Inverter Driven

Model	Pressure (BAR G)	CFM @ BAR					dB (A)	End Connection	Weight KG	Dimensions (L X W X H) mm
		4	7	8	10	13				
		CPVR 20	10	38 ~ 80	37 ~ 79	37 ~ 79				
CPVR 20	13	29 ~ 65	29 ~ 65	29 ~ 65	28 ~ 64	26 ~ 62	72	1"	420	1300 X 780 X 1200
CPVR 25	10	50 ~ 102	49 ~ 101	47 ~ 100	47 ~ 100	-	72	1"	460	1300 X 780 X 1200
CPVR 25	13	36 ~ 79	37 ~ 79	37 ~ 79	36 ~ 78	34 ~ 76	72	1"	460	1300 X 780 X 1200
CPVR 30	10	56 ~ 114	55 ~ 114	55 ~ 114	54 ~ 112	-	72	1"	485	1300 X 780 X 1200
CPVR 30	13	49 ~ 101	49 ~ 101	49 ~ 101	47 ~ 100	46 ~ 98	72	1"	485	1300 X 780 X 1200

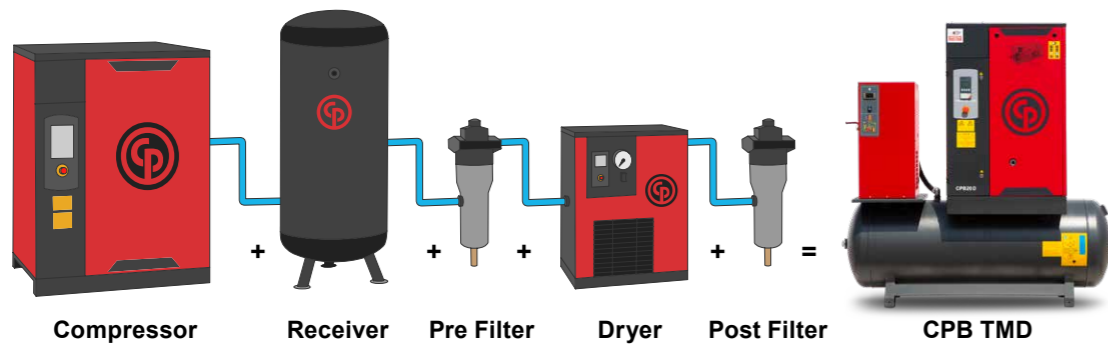
Fixed Speed

Model	HP	CFM @ BAR			dB (A)	End Connection	Weight KG		Dimensions in mm	
		8	10	13			FM	TMD 500	FM	TMD 500
		CPB 15	15	70			60	49	69	1"
CPB 20	20	93	79	64	69	1"	360	570	800 X 800 X 1245	1880 X 805 X 1875
CPB 25	25	112	97	80	70	1"	370	600	800 X 800 X 1245	1880 X 805 X 1875
CPB 30	30	129	110	96	71	1"	395	620	800 X 800 X 1245	1880 X 805 X 1875
CPB 40	40	150	123	107	72	1"	505	-	1300 X 780 X 1200	-

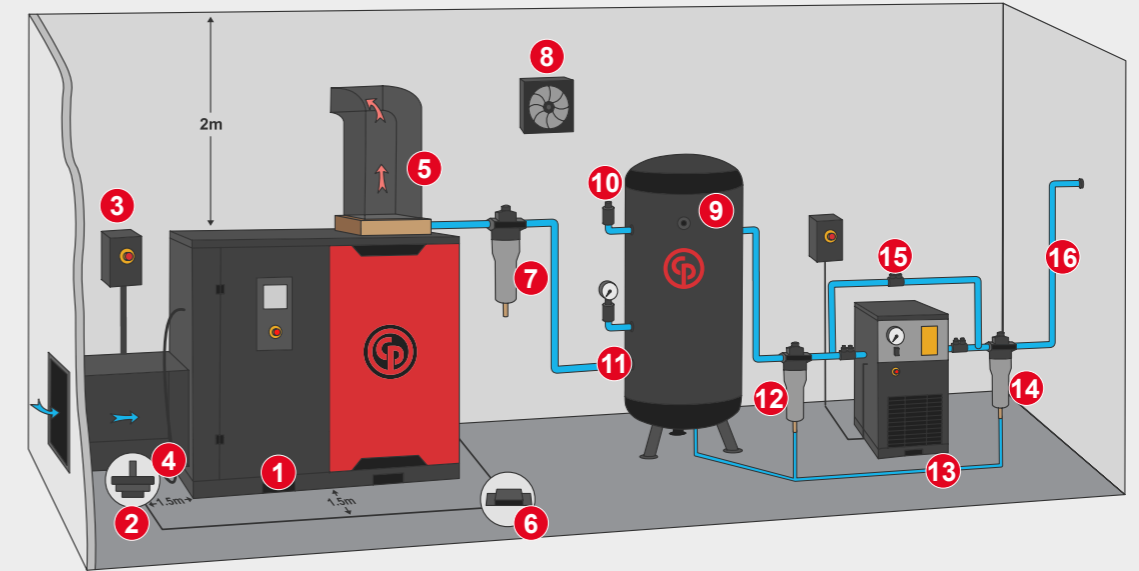
Note:
 1. Noise Level is measured as per ISO 2151 / Pneurop / CAGI PN8NTC2
 2. Receiver Capacity Option is 500 Litres
 3. Unit Performance is measured as per ISO 1217 Ed 4 2009

FM : Floor Mounted
 TMD : Tank Mounted with Dryer and Filters

A Complete Compressed Air Package - CPB TMD 500



Maintenance and installation guidelines



- 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 AIRnet piping

Service Features

Chicago Pneumatic CPB range is supported by a full range of service kits that come complete with genuine parts & oil.

- Genuine parts guarantee extended compressor service life and reliability.
- Cost-effective service solution based on optimum service intervals.
- Save time and administration - no need to determine individual service parts.
- Off-the-shelf availability.
- Chicago Pneumatic's specifically formulated screw oil offers sustainable lubricant properties even under demanding operating conditions.

We value your feedbacks and endeavour to continuously improve our products and services.

Service ahead of time. Original parts, Your quality assurance.

24/7 Service ahead of time. ORIGINAL PART

AirXtend
Secure Assurance. Built To Last.

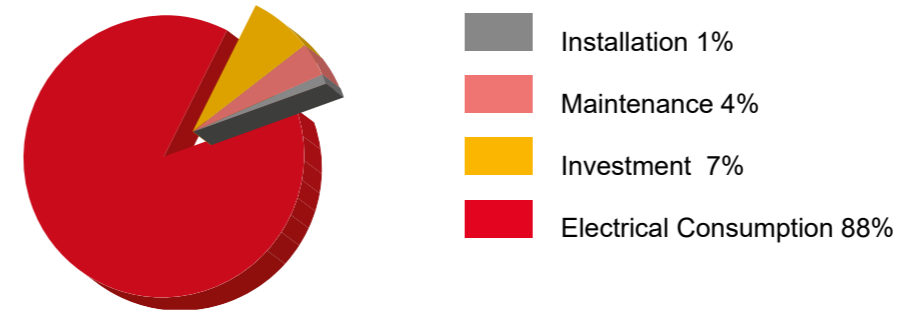
Inverter drive (IVR)

The IVR Drive in the compressor, which electronically adjusts the motor's rotation speed, only consumes the energy needed to produce the compressed air required by your application.

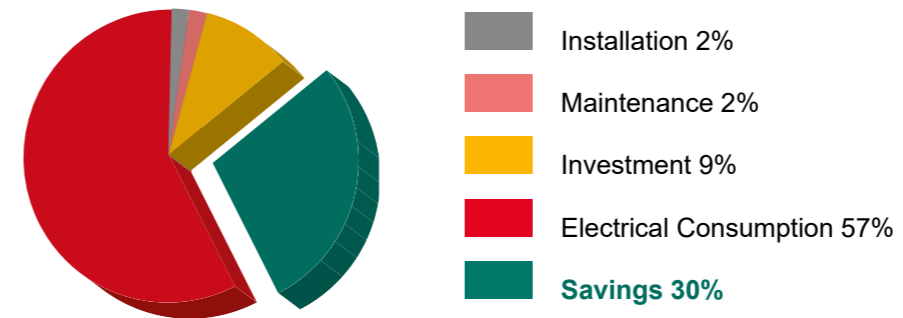


Life Cycle Cost

Fixed Speed



IVR



Reducing electricity consumption means:

Lower Power Costs = SAVINGS

Lower Power Consumption = ENVIRONMENTAL FRIENDLINESS

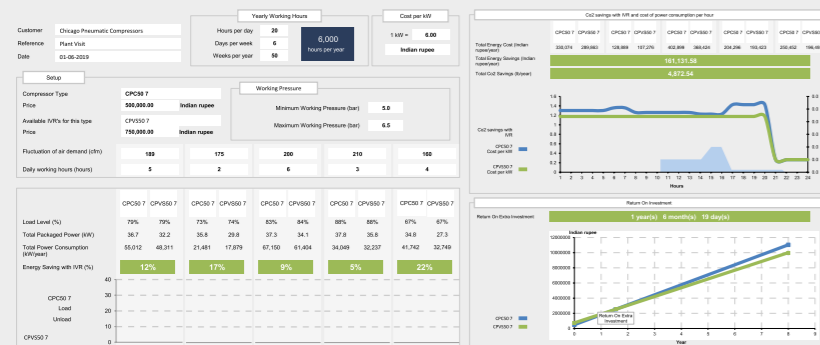


Energy Saving with Electronic Regulation

Electronic Regulation

The ES 4000 electronic controller groups all the command controls and alarms of the machine. This device allows management of all running and control functions of the machine; eliminating need for supervision during working.

Energy audit

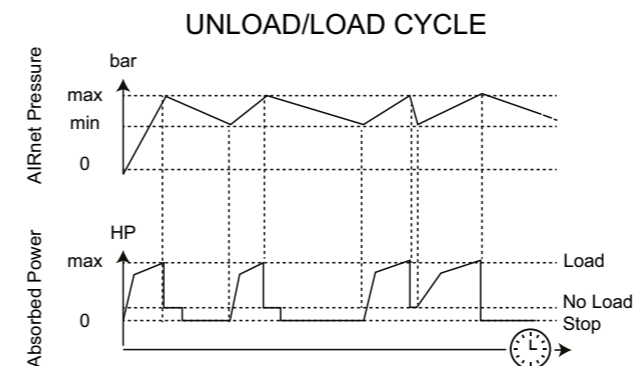


A frequency driven compressor potentially offers an energy efficient compressed air installation, with a ROI of less than 18 months.

Chicago Pneumatic has developed the Energy Cutter, a tool which calculates yearly savings that can be obtained from investing in a VFD Compressor for any specific industry.

We offer energy audits, specialized advice to make sure you make the right decision when buying your compressor.

Energy Saving



We serve many industries...

