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

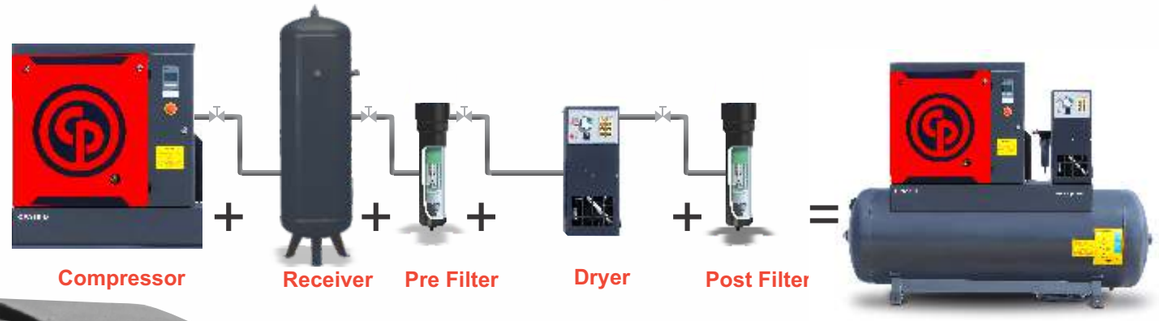
Why tropical design is essential ?

Condition	Temp	Environment	Mindset
European Condition	Max 20^0 C Min Sub Zero	Dust free, Pressurized & Ventilated	Use & Throw
Tropical	Max 50^0 C Min Varying	Dusty industrial	Use & Continue using

Screw Element



A Complete Compressed Air Package - CPA TMD

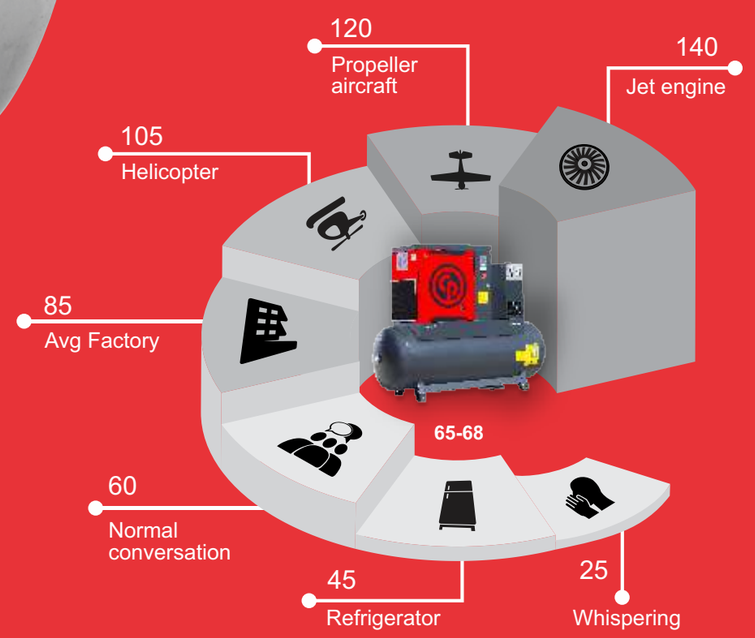


Design for tropical condition

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

Quiet Operation

- Rotary screw technology
- Sound enclosure helps in noise reduction



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



IVR saves over 35% power and thus ensures faster payback



Regulates pressure within 0.1 bar.



Built-in IVR drive for maximum reliability



Assures constant power factor



Factory tested machine at critical speed to minimize vibration/ resonance risk



Assures reduced carbon dioxide emissions



Eliminates unloading power to almost 0%



helping save the environment

Life Cycle Cost

Fixed Speed



- Installation 1%
- Maintenance 4%
- Investment 7%
- Electrical Consumption 88%

IVR



- Installation 1%
- Maintenance 2%
- Investment 10%
- Electrical Consumption 57%
- Savings 30%

Reducing electricity consumption means:

Lower power costs = SAVINGS

Lower power consumption = ENVIRONMENTAL FRIENDLINESS

Pressurized canopy and pre filter - unique design feature

- 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

Product Features

Electrical Cubicle
Monitors power management



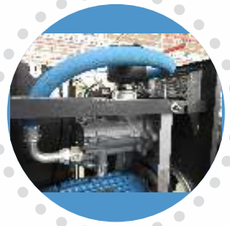
Oil separation system
3 Stage Effective oil separation



ES 4000
24X7 Compressor surveillance user friendly



Screw Element
Robust and Silent



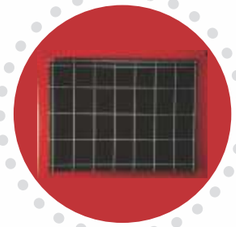
CPA Unit performance
100% Factory tested & Certified







Air intel duct with fin
Guides air flow through the compressor



Pre-filter panel
Breathes in dust free air



Electric Motor
High Efficiency -TEFC Motor



Combination Cooler
Aluminum with fine fins design for efficient cooing



Flexible Drive
Reliable & Relentless operation

Energy Saving with Electronic Regulation

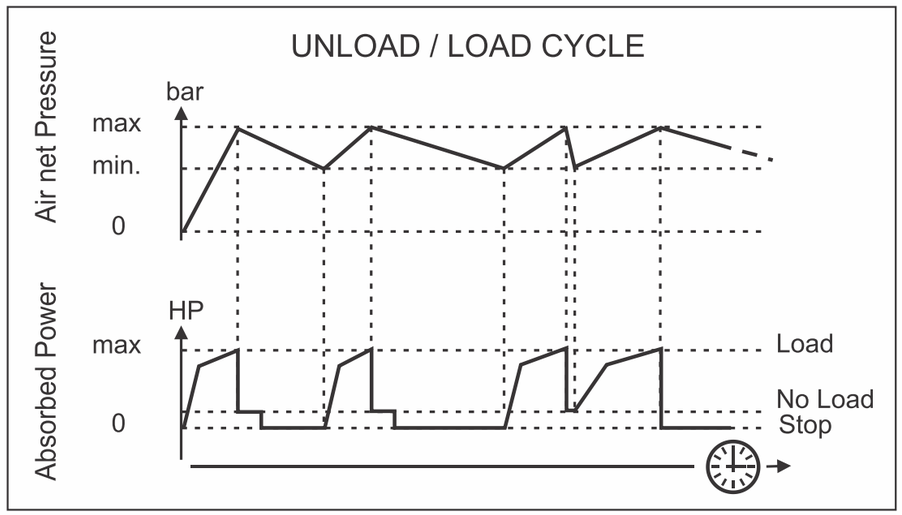


Electronic Regulation

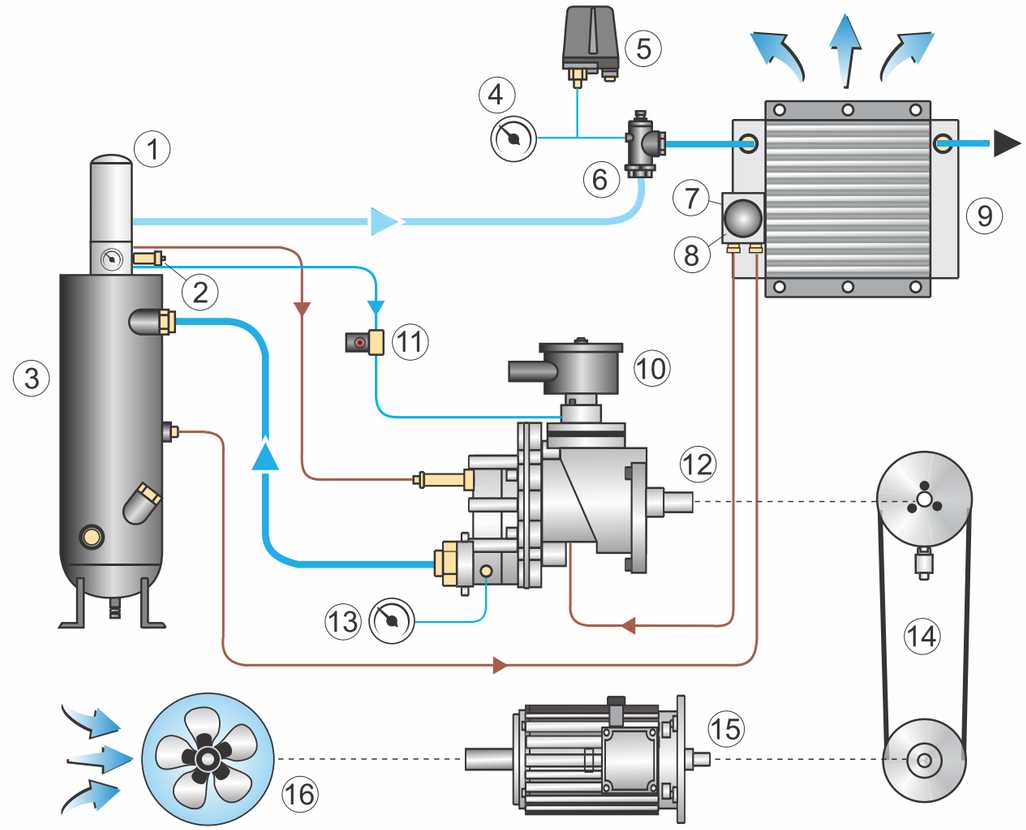
The ES 4000 electronic controller groups all the command controls and alarms of the machine.

This device allows management of all running and control functions of the machine; eliminating need for supervision during working.

Energy Saving



Flow Diagram



1	Air / Oil separator filter	9	Air / Oil cooler
2	Safety valve	10	Air intake filter
3	Oil tank	11	Solenoid valve
4	Pressure transducer	12	Screw compressor unit
5	Pressure switch	13	Thermostat
6	Minimum pressure valve	14	Transmission unit
7	Thermostatic valve	15	Electric motor
8	Oil Filter	16	Cooling fan

Air Oil

Product Variants - CPA Range



CPA Floor Mount
- Small foot print
- Plug to existing receiver

CPVR
- Built in Inverter Drive (IVR) drive
- Saves upto 35% power

CPA Tank Mounted (300 or 500 L tank)
- 300 series - for steady air demand
- 500 series - for fluctuating air demand

CPA Tank Mounted with Dryer
- 300 series
- 500 series
  - for moisture free and oil free application (with dryer and filter)

Technical Data

Inverter Driven

Model	in bar G	HP	kW	Capacity (CFM) Min	Capacity (CFM) Max	Noise dB (A)	End Connection	Weight in kg.	L W H in m m
CPVR 15/7	7	15	11	23	58	68	3/4”	230 FM* Version	FM : 851 x 590 x 1090 TMD 300 L: 1545 x 590 x 1340 TMV500 L : 1900 x 590 x 1470
CPVR 15/10	10	15	11	20	50	68	3/4”	730 TM* Version	
CPVR 15/13	13	15	11	17	43	68	3/4”	765 TMD* Version	

Fixed Speed

Model	HP	Pressure (BAR G)	CFM			dB(A)	End Connection	Weight (KG)				L W H in m m
								FM	TM 300	TMD 300	TMD 500	
CPA 10	10	7 10 13	45	38	30	68	3/4”	180	245	300	365	FM : 851 x 590 x 1090 TMD 300 L: 1545 x 590 x 1340 TMV500 L : 1900 x 590 x 1470
CPA 15	15	7 10 13	63	52	44	68	3/4”	195	265	320	385	
CPA 20	20	7 10 13	73	64	53	68	3/4”	205	270	335	400	

Note :
1. Unit performance measured according to ISO 1217 ed 4 2009.
2. Noise level measured according to ISO2151.
3. Receiver capacity options are 300/500ltrs.

FM : Floor Mounted
TM : Tank Mounted
TMD : Tank Mounted with Dryer and filters

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