



# ***CHAMPION***

## **BIG ON QUALITY. CHAMPION ON PRICE!**



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[www.ChampionAirtech.com](http://www.ChampionAirtech.com)

# RECIPROCATING CAST IRON COMPRESSORS

1.1 - 7.5 kW

- High efficiency 400V/3 phase/50Hz IP55 electric motor
- Belt driven
- Cast iron cylinder with cooling fins and special aluminium alloy cylinder heads
- Pressure range 8 - 15 bar
- Electric motor 1.5kW - 7.5kW
- Tank 80 - 500 litres



# TROUBLE FREE AND A LONG SERVICE LIFE

### At a glance...

**Nominal Pressure**

8 - 15 bar g

**Motor Power**

1.1 - 7.5 kW

**Volume Flow**

205 - 1657 l/min

7.2 - 58.5 cfm

**Power Sound level**

68 - 82 dB(A)



Champion, the smart and affordable compressed air solution, make available a range of reciprocating cast iron compressors. Trouble free and with a long service life, these can be used safely in many applications with single and double stage options. Choose from base plate or receiver mounted with 230 volt options on selected models.

### Main motor and drive system

- High efficiency 400V/3 phase/50Hz IP55 electric motor
- Special loadless start system
- Automatic discharge system for loadless start
- Belt Driven
- Specially designed fan type pulleys
- Easy tensioning of belt

### Compressor block

- Cast iron cylinder with cooling fins and special aluminium alloy cylinder heads
- Specially designed high-speed stainless steel concentric valves
- Cast iron crankcases with high strength
- Dynamically-balanced cast steel crankshaft and counterweight
- Special alloy aluminium pistons and steel cast connecting rods
- Specially designed finger-type, high-capacity stainless steel suction-discharge valves
- Stainless steel suction-discharge valves, specially designed for high pressure strength

### Safety systems

- Solenoid discharge valve for loadless start (on models over 4 kW)
- Pressure switch
- Check valve
- Belt pulley guard
- Relief valve
- Easy tensioning of belt

### Other features

- CE Certified air tanks complying with SPVD (Simple Pressure Vessel Directive) and designed as per EN 286-1 standard
- Bearings with a long service life
- Air suction filter and silencer
- Impact lubrication system
- Starting panel (For 1.1 - 4 kW models)

### Options

- Automatic Condensate Discharge
- Valve for the Air Tank
- Star delta motor starting panel (5.5-7.5 kW models)





## Technical data

### Belt Driven Cast Iron Compressors Lubricated Single & Three Phase

**Design:** Belt Drive, single and three phase  
**Pressure Range:** 8 - 15 bar  
**Tank:** 80 - 500 Litres  
**Capacity:** 7.2 to 58.5 CFM

MODEL	PRESSURE		CAPACITY		MOTOR POWER		VOLT	GAS	DIMENSIONS	WEIGHT	TANK	CODE
	BAR	PSI	L/MIN	SCFM	KW	HP	V	PORT	W x L x H	KG	L	
CPI-80-FM15	8	115	205	7.2	1.1	1.5	230	1/2"	1202 x 426 x 894	93	80	CC1197241
CPI-80-FT15	8	115	205	7.2	1.1	1.5	400	1/2"	1202 x 426 x 894	93	80	CC1197240
CPI-80-FT2	8	115	327	11.5	1.5	2	400	1/2"	1202 x 426 x 914	106	80	CC1197242
CPI-80-FM2	8	115	327	11.5	1.5	2	230	1/2"	1202 x 426 x 914	106	80	CC1197243
CPI-200-FT3	8	115	410	14.5	2.2	3	400	1/2"	1531 x 450 x 1037	135	200	CC1197284
CPI-200-FM3	8	115	410	14.5	2.2	3	230	1/2"	1531 x 450 x 1037	135	200	CC1197285
CPI-250-FT55	8	115	607	21.4	4	5.5	400	1/2"	1830 x 466 x 1145	209	250	CC1197286
CPI-500-FT55	8	115	607	21.4	4	5.5	400	1/2"	1830 x 466 x 1145	209	500	CC1197287
CPI-500-FT75	8	115	1013	35.8	5.5	7.5	400	3/4"	1927 x 664 x 1291	308	500	CC1197288
CPI-500-FT10	8	115	1657	58.5	7.5	10	400	3/4"	1926 x 668 x 1413	390	500	CC1197289
CPI-200-FM2-12	12	175	205	7.2	1.5	2	230	1/2"	1532 x 450 x 983	145	200	CC1197291
CPI-200-FT2-12	12	175	205	7.2	1.5	2	400	1/2"	1532 x 450 x 983	145	200	CC1197290
CPI-250-FT55-15	15	215	507	17.9	4	5.5	400	3/4"	1832 x 474 x 1097	230	250	CC1197292
CPI-500-FT10-12	12	175	856	30.2	7.5	10	400	3/4"	1920 x 658 x 1298	374	500	CC1197293
CPI-500-FT10-15	15	215	828	29.2	7.5	10	400	3/4"	1925 x 669 x 1406	439	500	CC1197294

12 & 15 bar models are 2-stage piston  
CPI-80 models are portable (wheels & handle)  
Star Delta Start standard on 10HP models  
Star Delta Start optional on 5.5 kW models  
Base Plate and bare pumps available

COMPRESSED AIR SOLUTIONS

**CHAMPION**

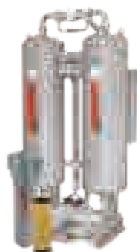
## YOUR COMPRESSED AIR PARTNER



Champion's piston compressor range is designed to cover all the possible professional uses of compressed air. Our piston compressors come in various forms and sizes, providing a truly complete range of choices.



Champion stationary rotary screw compressors, both fixed and variable speed drive, are the answer to the needs of small and medium-sized companies.



A modern production system and process demands increased levels of air quality. Our complete Air Treatment Range ensures product quality and efficient operation.



Champion also design and manufacture an enviable range of Rotary Scroll, Rotary Vane and Portable Rotary Screw compressors. All designed to provide efficiency and reliability in the most demanding applications and conditions, these compressors set new standards.

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For additional information please contact  
your local representative.  
Specifications subject to change without notice.