

# **CHAMPION**

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

Piston Compressors 1.5 - 11kW






2024

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

# RELIABLE, STRONG SUITABLE FOR PROFESSIONAL USES



## At a glance...

-  **Nominal Pressure**  
10 - 11 bar g
-  **Motor Power**  
1.5 - 15 kW
-  **Volume Flow**  
107 - 1744 l/min  
9 - 61.6 cfm
-  **Power Sound level**  
63 - 96 dB(A)

## PRO Series

### Belt Driven Single & Two-Stage Pumps

- Heavy Duty service
- Strong and Reliable
- High performances
- Long life
- Low vibrations
- Low speed
- From 2 to 20 HP
- Max 11 bar



### Single & Two Stage (Fixed & Portable) BELT DRIVEN SINGLE AND TWO-STAGE COMPRESSORS,

designed for intensive use by professionals and small industries. The features that make this range unique on the market are:

- Intercooler for cooling between the first and second stage with consequent improvement in terms of efficiency
- Slower rotation speed which minimises sound levels
- Better performances thanks to the higher intake of air and a higher volumetric efficiency.



### Tandem

They are equipped with a time control panel in both solutions: direct-on-line and star-delta starter.

- Total flexibility of use;
- High reliability;
- Better performances thanks to the higher intake of air and a higher volumetric efficiency.



### Base Plate

This compressor includes the motor, belt, belt guard, pulley and base plates. Ideal preassembled solution for who needs only motor/pump in order to perform special applications or due to transportation constrains. Choose from a power range of 2 to 7.5 HP and working pressure up to 11 Bar.

### Silenced Series

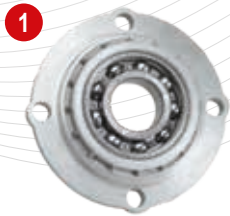
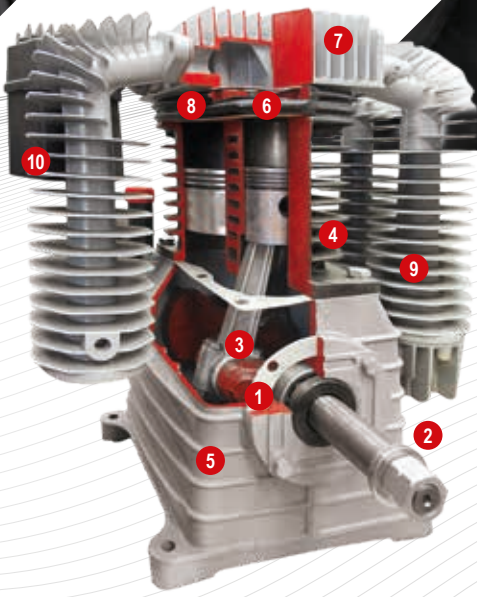
This series of silenced belt driven lubricated compressors are designed to meet the needs of professional and industrial applications where low noise levels are critical. Available in a power range of 3 to 10 HP and working pressures up to 11 Bar with or without a refrigerated dryer



### Base Mounted

Compact compressed air stations which are fully equipped and totally independent. This range fits to modular systems. Available with a power of 7.5 and 10 HP at 11 Bar.





### Bearings

High quality ball bearings are the basis for ensuring a continuous service in all working conditions.



### Flywheels

The profile of the blades of the flywheel are designed to ensure a high cooling.



### Crankshaft And Connecting Rod

- Crankshaft balanced with electronic equipment: no vibration
- Con-rod with low friction bushes to assure high efficiency and reduced wear



### Cylinders

- In cast iron: strong, reliable, heavy duty.
- Special machining to assure low oil consumption.



### Crankcase

- High capacity of oil tank for longer autonomy
- Internal painting with resin against oil losses
- No vibrations: big thickness of casting



### Valves Gasket

- In stainless steel with carryover of elastomers: assure perfect seal and long life in a very harsh conditions.



### Head

- Alu die casting for a better dissipation of heat, with large fins for maximum cooling.



### Valves Plate

- Cast Iron, strong reliable, longlife
- Oversized air passage chambre for better temperature and High performances



### After Cooler

- Alu die casting for a better dissipation of heat
- Large fins for maximum cooling



### Filter

- Labyrinth system to reduce noise
- Large Dust filter elements
- Long life

# PRO SERIES

## Technical data



Low Speed



Low  
Vibration



Low Noise



Long Life



### Belt Driven Single stage compressors (fixed)

#### Single & Three Phase Lubricated

Pressure Range: 10 bar Electric motor: 2.2 to 3.0 kW Voltage: 230V & 400V / 50Hz

MODEL	START	VOLT	m <sup>3</sup> /min	CFM	KW	HP	RPM	BAR	PSI	TANK	DBA	DIMENSIONS	KG	CODE	MOQ*
CP28B-200-FM3	DOL	230	0.33	11.65	2.2	3	1570	10	145	200	75	1450x450x850	84	CC47722324FFN	1
CP17C-270-FM3	DOL	230	0.4	14.12	2.2	3	1250	10	145	270	75	1540x500x995	107	CC47722326FFN	1
CP17C-270-FT3	DOL	400	0.4	14.12	2.2	3	1250	10	145	270	75	1540x500x995	107	CC47722327FFN	1
CP17C-150V-FM3	DOL	230	0.4	14.12	2.2	3	1250	10	145	150v	75	470x670x1730	90	CC47722318FN	1
CP17C-150V-FT3	DOL	400	0.4	14.12	2.2	3	1250	10	145	150v	75	470x670x1730	92	CC47722320FN	1
CP38B-200-FT4	DOL	400	0.48	16.94	3.0	4	1400	10	145	200	75	1450x450x920	92.8	CC47722330FFN	1
CP18C-270-FT4	DOL	400	0.539	19	3.0	4	1400	10	145	270	75	1540x500x1010	144	CC47722331FFN	1



Low Speed



Low  
Vibration



Low Noise



Long Life



### Belt Driven Single stage compressors (portable)

#### Single & Three Phase Lubricated

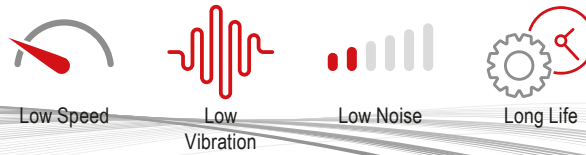
Pressure Range: 10 bar Electric motor: 1.5 to 3.0 kW Voltage: 230V & 400V / 50Hz

MODEL	START	VOLT	m <sup>3</sup> /min	CFM	KW	HP	RPM	BAR	PSI	TANK	DBA	DIMENSIONS	KG	CODE	MOQ*
CP28-50-CM2	DOL	230	0.26	9	1.5	2	1250	10	145	50	75	375x849x705	46.5	CC47722314FN	6
CP28-100-CM2	DOL	230	0.26	9	1.5	2	1250	10	145	100	75	478x1018x825	56	CC47722315FN	3
CP17C-50-CM3	DOL	230	0.40	14.12	2.2	3	1250	10	145	50	75	385x830x740	60	CC47722317FN	6
CP28B-50-CM3	DOL	230	0.33	11.65	2.2	3	1570	10	145	50	75	375x849x705	46.5	CC47722410FN	6
CP28B-100-CM3	DOL	230	0.33	11.65	2.2	3	1570	10	145	100	75	478x1018x825	60	CC47722319FN	3
CP17C-100-CT3	DOL	400	0.40	14.12	2.2	3	1250	10	145	100	75	480x1020x800	71	CC47722321FN	3
CP28B-150-CM3	DOL	230	0.33	11.65	2.2	3	1570	10	145	150	75	495x849x1324	77	CC47722322FN	1
CP17C-150-CT3	DOL	400	0.40	14.12	2.2	3	1250	10	145	150	75	495x1325x920	92	CC47722323FN	1
CP28B-200-CM3	DOL	230	0.33	11.65	2.2	3	1570	10	145	200	75	530x849x1450	98	CC47722324FN	1
CP17C-200-CT3	DOL	400	0.4	14.12	2.2	3	1250	10	145	200	75	530x1450x970	99	CC47722325FN	1
CP17C-270-CM3	DOL	230	0.4	14.12	2.2	3	1250	10	145	270	75	565x1540x1030	107	CC47722326FN	1
CP17C-270-CT3	DOL	400	0.4	14.12	2.2	3	1250	10	145	270	75	565x1540x1030	109	CC47722327FN	1
CP38B-200-CT4	DOL	400	0.48	16.94	3.0	4	1400	10	145	200	75	530x849x1450	108	CC47722330FN	1
CP18C-270-CT4	DOL	400	0.539	19	3.0	4	1400	10	145	270	75	565x1540x1040	144	CC47722331FN	1

\* MOQ - Multiple Order Quantity. When placing a Purchase Order the MOQ needs to be respected.

"Example: Model CP17C-100-CT3 (CC47722321FN) has a MOQ of 3. If a quantity of 5 is needed the PO needs to be for 6 (2 x MOQ).

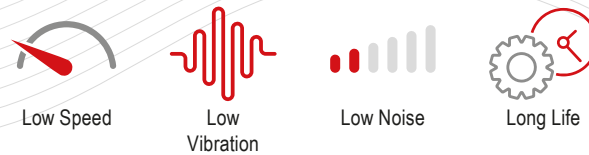
Alternatively if 2 units is required then the PO needs to be for 3 (1 x MOQ)."



## Belt Driven Two stage compressors (fixed) Three Phase Lubricated

Pressure Range: 11 bar Electric motor: 4.0 to 7.5 kW Voltage: 400V / 50Hz

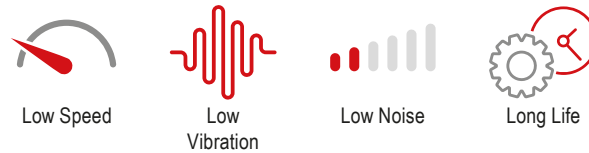
MODEL	START	VOLT	m <sup>3</sup> /min	CFM	KW	HP	RPM	BAR	PSI	TANK	DBA	DIMENSIONS	KG	CODE	MOQ*
CP28C-200-FT55	DOL	400	0.66	23.37	4.0	5.5	1290	11	159	200	75	450x1450x1020	115.5	CC47722342FN	1
CP28C-270-FT55	DOL	400	0.66	23.37	4.0	5.5	1290	11	159	270	75	500x1545x1096	130	CC47722343FN	1
CP28C-500-FT55	DOL	400	0.66	23.37	4.0	5.5	1290	11	159	500	75	600x1950x1160	193	CC47722344FN	1
CP30C-200-FT75	DOL	400	0.87	30.79	5.5	7.5	1200	11	159	200	75	450x1450x1075	125	CC47722345FN	1
CP30C-270-FT75	DOL	400	0.87	30.79	5.5	7.5	1200	11	159	270	75	500x1545x1155	148	CC47722346FN	1
CP30C-500-FT75	DOL	400	0.87	30.79	5.5	7.5	1200	11	159	500	75	600x1950x1220	215	CC47722347FN	1
CP50C-270-FT10	DOL	400	1.07	37.92	7.5	10	1000	11	159	270	76	1550x580x1200	182	CC47722339FN	1
CP50C-500-FT10	DOL	400	1.07	37.92	7.5	10	1000	11	159	500	76	600x1950x1355	248	CC47722341FN	1



## Belt Driven Two stage compressors (portable) Three Phase Lubricated

Pressure Range: 11 bar Electric motor: 4.0 to 5.5 kW Voltage: 400V / 50Hz

MODEL	START	VOLT	m <sup>3</sup> /min	CFM	KW	HP	RPM	BAR	PSI	TANK	DBA	DIMENSIONS	KG	CODE	MOQ*
CP28C-200-CT55	DOL	400	0.66	23.4	4.0	5.5	1290	11	159	200	75	690x1456x1059	120	CC47722332FN	1
CP28C-270-CT55	DOL	400	0.66	23.4	4.0	5.5	1290	11	159	270	75	713x1550x1139	130	CC47722333FN	1
CP30C-270-CT75	DOL	400	0.87	30.79	5.5	7.5	1200	11	159	270	75	713x1550x1196	148	CC47722336FN	1
CP30C-500-CT75	DOL	400	0.87	30.79	5.5	7.5	1200	11	159	500	75	780x1935x1260	215	CC47722337FN	1



## Belt Driven Tandem Compressors Three Phase Lubricated

Pressure Range: 11 bar Electric motor: 6.0 to 11 kW Voltage: 400V / 50Hz

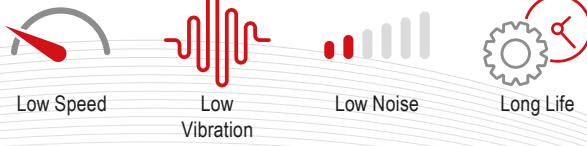
MODEL	START	VOLT	m <sup>3</sup> /min	CFM	KW	HP	RPM	BAR	PSI	TANK	DBA	DIMENSIONS	KG	CODE	MOQ*
CP38B-270-FM3 TD	DOL	230	0.78	27.54	2.2+2.2	3 + 3	1100	10	145	270	79	500x1550x1000	153	CC47722378FN	1
CP38B-270-FT4 TD	DOL	400	0.96	33.89	3+3	4 + 4	1400	10	145	270	79	500x1550x1000	154	CC47722379FN	1
CP28C-500-FT5.5 TD	DOL	400	1.16	40.81	4+4	5.5 + 5.5	1400	11	159	500	76	600x1950x1160	250	CC47722380FN	1
CP30C-500-FT7.5 TD	DOL	400	1.74	61.59	5.5+5.5	7.5 + 7.5	1200	11	159	500	82	600x1950x1220	295	CC47722381FN	1

\* MOQ - Multiple Order Quantity. When placing a Purchase Order the MOQ needs to be respected.

"Example: Model CP17C-100-CT3 (CC47722321FN) has a MOQ of 3. If a quantity of 5 is needed the PO needs to be for 6 (2 x MOQ).

Alternatively if 2 units is required then the PO needs to be for 3 (1 x MOQ)."

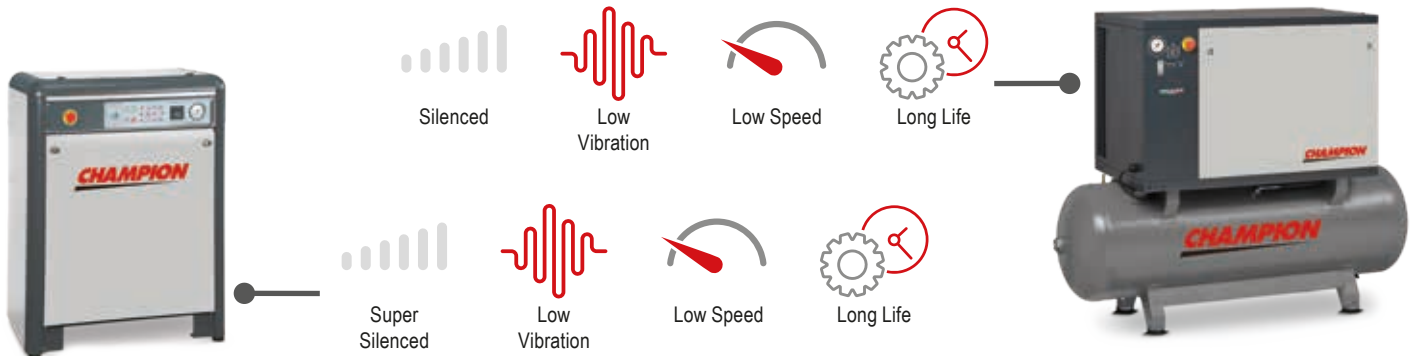
# PRO SERIES



## Belt Driven Base Mounted Compressors Single & Three Phase Lubricated

Pressure Range: 11 bar Electric motor: 1.5 to 7.5 kW Voltage: 230V & 400V / 50Hz

MODEL	START	VOLT	m <sup>3</sup> /min	CFM	KW	HP	RPM	BAR	PSI	DBA	DIMENSIONS	KG	CODE	MOQ*
CP11C-BP-FM2	DOL	230	0.26	9.2	1.5	2	1180	10	145	96	590x310x420	26	CC4772241BFN	6
CP11C-BP-FM3	DOL	230	0.33	11.7	2.2	3	1500	10	145	96	590x350x420	26	CC4772242BFN	6
CP11C-BP-FT3	DOL	400	0.33	11.7	2.2	3	1500	10	145	96	590x350x420	26	CC4772243BFN	6
CP18C-BP-FT4	DOL	400	0.54	19	3.0	4	1400	10	145	96	675x390x460	49	CC4772244BFN	6
CP28C-BP-FT55	DOL	400	0.66	23.4	4.0	5.5	1290	11	159	96	730x455x500	53	CC4772245BFN	6
CP30C-BP-FT75	DOL	400	0.87	31	5.5	7.5	1200	11	159	96	730x455x560	67	CC4772246BFN	6
CP30C-BM-FT75	DOL	400	0.872	31	5.5	7.5	1200	11	159	96	690x650x660	92	CC4772247BFN	6
CP50C-BM-FT10	DOL	400	0.1074	38	7.5	10	1000	11	159	96	990x780x800	131	CC4772248BFN	6



## Silenced Compressors Single & Three Phase Lubricated

Design: Direct Drive, single phase & Three Phase Pressure Range: 11 bar Electric motor: 2.2 to 7.5 kW Voltage: 230V & 400V / 50Hz

MODEL	START	VOLT	m <sup>3</sup> /min	CFM	KW	HP	RPM	BAR	PSI	TANK	DBA	DIMENSIONS	KG	CODE	MOQ*
CS17C-24-FM3	DOL	230	0.4	14.12	2.2	3	1250	10	145	24	63	620x700x1100	112	CC47722349FN	6
CS17C-24-FT3	DOL	400	0.4	14.12	2.2	3	1250	10	145	24	63	620x700x1100	113	CC47722351FN	6
CS17C-200-FM3	DOL	230	0.4	14.12	2.2	3	1250	10	145	200	68	1450x555x1215	102	CC47722350FN	1
CS17C-200-FT3	DOL	400	0.4	14.12	2.2	3	1250	10	145	200	68	1450x555x1215	102	CC47722352FN	1
CS25C-270-FT4	DOL	400	0.495	17.48	3	4	1200	11	159	270	68	675x1600x1365	219	CC47722359FN	1
CS30C-FT55	DOL	400	0.73	25.67	4	5.5	1000	11	159	0	65	620x850x1100	168	CC47722353FN	1
CS28C-270-FT55	DOL	400	0.66	23.4	4	5.5	1290	11	159	270	69	675x1600x1365	228	CC47722360FN	1
CS30C-FT75	DOL	400	0.87	30.79	5.5	7.5	1200	11	159	0	65	620x850x1100	180	CC47722354FN	1
CS30C-270-FT75	DOL	400	0.87	30.79	5.5	7.5	1200	11	159	270	69	675x1600x1365	247	CC47722364FN	1
CS50C-FT10	DOL	400	1.07	37.92	7.5	10	1000	11	159	0	79	620x850x1100	218	CC47722356FN	1
CS50C-FT10 SDS	SDS	400	1.07	37.92	7.5	10	1000	11	159	0	79	620x850x1100	223	CC47722357FN	1
CS50C-500-FT10	DOL	400	1.07	37.93	7.5	10	1000	11	159	500	69	800x2000x1500	385	CC47722370FN	1
CS50C-500-FT10 SDS	SDS	400	1.07	37.93	7.5	10	1000	11	159	500	69	675x1600x1365	368	CC47722371FN	1

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"Example: Model CP17C-100-CT3 (CC47722321FN) has a MOQ of 3. If a quantity of 5 is needed the PO needs to be for 6 (2 x MOQ).

Alternatively if 2 units is required then the PO needs to be for 3 (1 x MOQ)."

## SERVICE KITS PISTON COMPRESSORS

MODEL RANGES	GASKET KIT CODE	AIR FILTER KIT CODE	OIL
CP28-50-CM2	<b>47834085001</b>	<b>47834101001</b>	SAE40
CP28-100-CM2			
CP28B-100-CM3			
CP28B-150-CM3			
CP28B-200-CM3			
CP28B-200-FM3			
CP38B-200-CT4			
CP38B-200-FT4			
CP38B-270-FT4 TD			
CP11C-BP-FM2	<b>47854757001</b>	<b>47854784001</b>	SAE40
CP11C-BP-FM3			
CP11C-BP-FM4			
CP17C-50-CM3	<b>47834138001</b>	<b>47834083001</b>	SAE40
CP17C-100-CT3			
CP17C-150-CT3			
CP17C-150V-FM3			
CP17C-150V-FT3			
CP17C-200-CT3			
CS17C-200-FM3			
CS17C-200-FT3			
CP17C-270-CM3			
CP17C-270-FM3			
CP17C-270-CT3			
CP17C-270-FT3			
CS17C-24-FM3			
CS17C-24-FT3			
CP18C-BP-FT4			
CP18C-270-CT4			
CP18C-270-FT4			
CS25C-270-FT4	<b>47854782001</b>	<b>47834083001</b>	SAE40
CP28C-BP-FT55	<b>47834009001</b>	<b>47834083001</b>	SAE40
CP28C-200-CT55			
CP28C-200-FT55			
CP28C-270-CT75			
CP28C-270-FT55			
CS28C-270-FT55			
CP28C-500-FT55			
CP28C-500-FT5.5 TD	<b>47834055001</b>	<b>47834083001</b>	SAE40
CP30C-BP-FT75			
CP30C-200-FT75			
CP30C-270-CT75			
CP30C-270-FT75			
CS30C-270-FT75			
CS30C-FT55			
CS30C-FT75			
CP30C-500-CT75			
CP30C-500-FT75			
CP30C-500-FT7.5 TD			
CP30C-BM-FT75	<b>47834042001</b>	<b>47834083001</b>	SAE40
CP50C-270-FT10			
CS50C-FT10			
CS50C-FT10 SDS			
CP50C-500-FT10			
CS50C-500-FT10			
CS50C-500-FT10 SDS	<b>47834042001</b>	<b>47834083001</b>	SAE40
CP50C-BM-FT10			

Only the following lubricants are allowed to be used

- SAE40 - Viscosity 100

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.

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

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