

CMP- SERIES



ONE STEP AHEAD

PORTABLE SCREW COMPRESSORS

- Mobile compressed air solution
- Independent from power source
- Compact and lightweight
- Low emissions
- Easy to operate
- Energy efficient

Contact your sales manager or our sales team for our stand-alone brochure and price list for model CMP-P21 to CMP-P271TS





CHAMPION

LOW EMISSION ZONE

CMP-P31

CHAMPION

LOW EMISSION ZONE

CMP-P201TS-24

CHAMPION

CMP-P14

DESIGNED FOR THE MOST DEMANDING CONDITIONS

Champion Portable Compressors

High-precision construction projects demand that the efficiency and reliability of compressors is of the highest calibre. Champion offers a wide range of portable compressors, with a reputation within the industry for just that – compressors that meet the requirements of numerous mobile compressed air applications.

The C-Series from Champion is constantly evolving and guarantees high energy efficiency, low emissions and many other innovations, which make daily operations and maintenance tasks much easier.

Engineering Excellence

Changing emission legislation is a key driver for development, but Champion's passionate engineering team also strive to achieve the best possible performance at the lowest operational costs. The C-Series of portable compressors fulfills the emission standards in accordance with the directive 97/68/EC. Additionally, the compressors are very compact and lightweight which is a preference for many customers.

The screw compression element is the most important component of the compressor. Therefore Champion keeps the design and manufacture in-house, using the latest CNC rotor grinding machinery, coupled with online laser technology. The resulting reliability and performance ensures that operating costs will remain low throughout the life of the compressor.

AirPlus

Tailored compressor solutions to fit your application.

Champion offers numerous options and accessories allowing customers to configure the compressor according to the specific requirements of the application. Besides various components for air treatment, integrated generators, banded bottom boxes, toolboxes, hose reels and integrated oilers, etc. can all be factory fitted.

Champion Genuine Parts

Enjoy complete peace of mind.

Genuine Champion parts and lubricants ensure best performance and reliability is maintained.

- Minimum losses contributing to energy savings
- Long service life, even under harsh conditions
- High reliability



DESIGNED TO LAST



At a glance...

 **Operating Pressure**
6 - 7 bar g

 **Motor Power**
6.3 - 8.7 kW

 **Volume Flow**
0.8 - 1.2 m³/min



Compressor

The Champion range of self-contained compressors uses lubricated screw air ends with high airflow. The progressive adjustment of the airflow constantly maintains an operating pressure between 7 and 8 bar, thus avoiding the use of a cumbersome air tank.

Protection

The "ROLL BAR" system fully protects the compressor and facilitates maintenance. The anti-vibration pads provide excellent stability and limit vibration.

Thermic engine

Our choice of HONDA petrol engines, known for their high reliability and excellent sound levels, guarantees the longevity of our compressors and a great ease of use. The engine speed is reduced automatically when the compressor is not stressed (control valve + pneumatic jack group).

Oil Separator

Our compressors are equipped with an improved cooling system. Temperature control guarantees optimum longevity.

Portable Compressors

CMP Series P6 - B9

Design: Engine Driven Rotary Screw
Pressure Range: 6 - 7 bar
Power Range: 9 - 13 HP
Mobile Fuel Tank: 5.3 - 6.1 Litres

MODEL	FLOW ¹⁾			ADJUSTMENT PRESSURE ³⁾	HONDA PETROL ENGINE		ELECTRIC START-UP BATTERY INCLUDED	PROGRESSIVE ADJUSTMENT OF ENGINE SPEED	SOUND POWER LEVEL LwA ²⁾	MOBILE FUEL TANK	DIMENSIONS		WEIGHT	CODE
	L/M	CFM	m ³ /min		BAR	kW/HP					MODEL	RPM		
CMP-P6R	800	28	0.8	6	6.3/9	GX 270	-	2500 - 3500	97	5.3	820x560x610	69	CC1198063	
CMP-P6	800	28	0.8	7	6.3/9	GX 270	Yes	2500 - 3500	97	5.3	820x560x610	79	CC1198074	
CMP-P7R	1200	42	1.2	7	8.7/13	GX 390	-	2400 - 3500	97	6.1	820x560x610	80	CC1198075	
CMP-P7	1200	42	1.2	7	8.7/13	GX 390	Yes	2400 - 3500	97	6.1	820x560x610	90	CC1198076	
CMP-P8R	800	28	0.8	6	6.3/9	GX 270	-	2500 - 3500	97	5.3	820x560x610	79	CC1198077	
CMP-P8	800	28	0.8	7	6.3/9	GX 270	Yes	2500 - 3500	97	5.3	820x560x610	89	CC1198078	
CMP-P9R	800	28	0.8	7	8.7/13	GX 390	-	2400 - 3500	97	6.1	820x560x610	100	CC1198079	
CMP-P9	1200	42	1.2	7	8.7/13	GX 390	Yes	2400 - 3500	97	6.1	820x560x610	110	CC1198080	
CMP-B8	800	28	0.8	7	6.3/9	GX 270	Yes	2500 - 3500	97	5.3	740x540x530	59	CC1198081	
CMP-B9	1200	42	1.2	7	8.7/13	GX 390	Yes	2500 - 3500	97	6.1	740x540x530	65	CC1198082	

¹⁾ Flow according to CE standard 1217 Annex C. ²⁾ Sound level according to EU 2000/14 Annexe 8. ³⁾ Portable fuel tank with quick coupling marine safety category ⁴⁾ Pressure of 9-12 bar available upon request
Option: Models P8-P9 - static version available - kit consists of 4 AV mounts + 4 mounting plates for commercial vehicles

DESIGNED TO LAST

At a glance...

 **Operating Pressure**
7 - 12 bar g

 **Motor Power**
15.5kW

 **Volume Flow**
1.0 - 1.4 m³/min



The CMP-Series is a powerful alternative to electrical tools

Small, compact and lightweight, at only 165kg weight with 1.4 m³/min at 7 bar. Perfect for a wide-range of repair and installation jobs.

Electric Start as Standard

Easy to start and flexible operation.

Honda GX 630V

Air cooled petrol engine.



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Larger portables from CMP-P21 through to TurboScrew are available. Contact the Champion Sales Team for more information and brochure.

CMP SERIES	TYPE	CMP-P10	CMP-P12	CMP-P14
CODE		A60141201	A60141001	A60140701
ENGINE		HONDA GX630	HONDA GX630	HONDA GX630
MOTOR POWER	[kW]	15.5	15.5	15.5
OPERATING PRESSURE	[bar g]	12	10	7
	[psi g]	174	145	102
VOLUME FLOW	[m ³ /min]	1.4	1.8	1.8
	[cfm]	50	64	64
ENGINE SPEED OFF LOAD	[rpm]	2200 - 3550		
SOUND POWER LEVEL ¹⁾	[LwA]	97 (dB)		
VOLUME FLOW	[m ³ /min]	1.0	1.4	1.4
	[cfm]	35	50	50
ENGINE SPEED OFF LOAD/LOAD	[rpm]	2200 - 2900		
SOUND POWER LEVEL ¹⁾	[LwA]	93 (dB)		
AIR OUTLET SIZE		1" x 3/4"		
DIMENSIONS L X W X H	[mm]	890 x 635 x 670		
WEIGHT (WITHOUT FUEL)	[Kg]	150		

¹⁾ Legal Limiting values of EC directive acc to 2000/14/EC

SERVICE KITS	DESCRIPTIONS
CC1186378	600 hrs or 6 months compressor service kit C10-C14
CC1186379	Annual engine service kit C10-C14
SCUO2000-5GT3	Lubricant (pack of 3 x 5L)

Champion codes relates to power sound level (LwA) of 97 decibels. Clearly mark on your order if the lower noise level of 93 decibels is required

Champion Portable Compressor Range

CMP-P10-12 TO CMP-P14

At a glance...

-  **Nominal Pressure**
7 - 12 bar g
-  **Engine Power**
15.5 kW
-  **Volume Flow**
1.0 - 1.4 m³/min



CMP-P21 TO CMP-P31

At a glance...

-  **Nominal Pressure**
7 - 12 bar g
-  **Engine Power**
16.5 - 18.9 kW
-  **Volume Flow**
2.0 - 3.0 m³/min



CMP-P36-10 TO CMP-P51

At a glance...

-  **Nominal Pressure**
7 - 10 bar g
-  **Engine Power**
35 kW
-  **Volume Flow**
3.5 - 5.0 m³/min



CMP-P56-14 TO CMP-P77

At a glance...

-  **Nominal Pressure**
7 - 14 bar g
-  **Engine Power**
53.7 kW
-  **Volume Flow**
5.5 - 7.6 m³/min



CMP-P86-14 TO CMP-P141-9

At a glance...

-  **Nominal Pressure**
5 - 14 bar g
-  **Engine Power**
90 -105 kW
-  **Volume Flow**
8.6 - 13.3 m³/min



CMP-P201TS-24 TO CMP-P271TS-9

At a glance...

-  **Nominal Pressure**
9 - 24 bar g
-  **Engine Power**
180 - 224 kW
-  **Volume Flow**
20 - 27 m³/min



Performance Protection for Portable Compressors

When you buy a Champion C-Series portable compressor, peace of mind comes as standard now. The first of a kind Mobile 5 Warranty offers genuine performance protection for up to 5 years. The main compressor elements and controls¹ are covered at zero additional cost.

Having your compressor serviced by authorised personnel in accordance with Champion's maintenance schedules, ensures you enjoy comprehensive protection for up to 5 years (up to a maximum of 10,000 operating hours).

Mobile 5 from Champion – keeping your workforce working.



¹ Terms, conditions & exclusions apply.