



CPS 185 - 100

Portable compressor



People. Passion. Performance.

 **Chicago
Pneumatic**

Built for Tough Environments

Redrock™ Polyethylene Canopy

Heavy double wall polyethylene enclosure. Dent and UV Resistant. Maintains appearance for long time thus adding resale value.

Easy service guarantee with all parts easily accessible

Less than one hour service with no special tools required.

Spillage free frame

Protects environment from spill/leaks and avoids costly clean-up.

Work in any environment

Due to standard over size cooler, Thermostatic bypass valve, Inlet grid heater and heavy duty air filters the Chicago Pneumatic CPS 185 - 100 will do the job in any though environment.

Robust and highly efficient machine

Well balanced with torsion bar for safer towing or moving around site. Simple controller to regulate the entire machine. In combination with Kohler T4F engine gives best efficiency in it's class for operating two 90 lbs. breakers.

Easy to use control panel

Smart user interface with key parameters at a touch of a button. Robust design which resist water and dust (IP 67 rated).

DOT approved trailer with fixed towbar and adjustable eyeheight

Well balanced with torsion bar for safer towing or moving around site.



The Chicago Pneumatic CPS 185 – 100 is a single-stage oil-injected rotary screw type air compressor, powered by a liquid-cooled, three-cylinder diesel engine. The unit consists of an air end, diesel engine, cooling circuit, air/oil separation and control systems - all enclosed within a Redrock™ polyethylene shell. Unique features – 110% fluid containment, internal toolbox, external lifting eye, spin on separator filter, new easy to use controller XC1004.

Technical Data with C90 Compressor Element

Compressor	Units	CPS 185 KoD with C90 Element
Actual free air delivery ¹ (FAD)	Cfm	180
Normal effective working pressure	Psi	100
Maximum unloading pressure	Psi	125
Minimum working pressure	Psi	43
Compression Stages		1
Air Receiver Capacity	US Gal (L)	4.76 (18.0)
Compressor oil capacity	US Gal (L)	2.5 (9.7)
Approximate air outlet temperature	°F (°C)	200 (93)
Air Compressor outlets		(X2) ¾"
Max. ambient temperature (at sea level) ²	°F (°C)	122 (50)
Maximum altitude	ft (m)	9842 (3000)
Minimum starting temperature (without cold weather options)	°F (°C)	14 (-10)
Minimum starting temperature (with cold weather options)	°F (°C)	-13 (-25)

Engine	Kohler	KDI 1903 TCR
Emissions Regulation	US EPA	Tier 4 Final
US EPA Engine Family		NKHXL02.5TCR
Output at rated speed (2500 rpm) ³	HP	49
Number of cylinders		3
Aspiration ⁴		Turbocharged
Displacement	cu in (L)	114 (1.861)
Engine speed (Unloaded)	Rpm	1800
Engine speed (Maximum loaded)	Rpm	2500
Engine oil capacity	US Gal (L)	2.35 (8.9)
Engine coolant capacity	US Gal (L)	2.6 (9.9)
Fuel tank capacity	US Gal (L)	22.3 (101.7)
Fuel consumption at 100% load	Gal/Hr. (L/Hr.)	2.21 (8.37)
Fuel consumption at 75% load	Gal/Hr. (L/Hr.)	2.18 (8.25)
Fuel consumption at 50% load	Gal/Hr. (L/Hr.)	1.69 (6.40)
Fuel consumption at 25% load	Gal/Hr. (L/Hr.)	1.69 (6.40)
Fuel consumption at 0% load	Gal/Hr. (L/Hr.)	1.18 (4.47)
Electrical System (Negative Ground)	V	12
Battery Capacity (Cold Cranking Amps ⁴)	A	725

Weight (Wet - Ready-to-operate)		CPS 185 Kohler
Trailer mounted	lb (Kg)	2110 (957)
Support mounted	lb (Kg)	TBD

Dimensions		CPS 185 Kohler
Trailer mounted - Inches (m)	L x W x H	131.85 (3.35) x 62.13 (1.58) x 65.34 (1.66)
Support mounted - Inches (m)	L x W x H	84.91 (2.16) x 52.44 (1.33) x 61.91 (1.57)

¹ According to ISO 1217 ed.3 1996 annex D

² Consult Chicago Pneumatic for proper de-rating instructions for operation beyond ambient limitations

³ Horsepower limited by Engine ECU

⁴ According to DIN 72311