



Chicago Pneumatic



**People.
Passion.
Performance.**

Portable Diesel Compressors
CPS 850

Why compromise between flow and pressure?

With the CPS850 you don't have to! Its variable flow and pressure control means that with only one compressor you can cover the maximum number of applications – giving the CPS 850 an unbeatable cost of ownership.

Easy to operate

The easy to use controller has a full color LCD screen that displays all the necessary information to get the job done efficiently. You can easily program and adjust the pressure level, and the controller will automatically adjust the output to deliver the flow.

Simplified maintenance

Large easy-to-open doors provide quick access to components, including the air end, engine and electrical components. We also feature 100% fluid containment with all fluids plumbed to the outside for easy access. The CPS 850 has a 500 hour service interval on the engine and 1000 hours on the compressor, this machine was built to work hard and offer the maximum amount of uptime.

Cool, clean and dry air

Our design principals ensure cool, clean and dry air. Our full feature system is plumbed through a secondary outlet which provides the ability to isolate the hoses and hardware. We also feature a three way valve, so the operator can select the desired air quality level and optimal cold weather configuration.

Technical data

Model		CPS 850	
Actual free air delivery (Standard air)	CFM*	750	850
Actual free air delivery (Aftercooled air)**	CFM*	720	820
Working pressure	PSI	150	100
Working pressure range	PSI	58 - 175	
Discharge outlet quantity	#	3 standard, 4 w/ aftercooler	
Discharge outlet size	Inches	1 x 1 1/2" & 2 x 3/4"	

Engine			
Model	John Deere	6068	
Displacement	L	6.8	
Cylinders	#	6	
Tier	US EPA	Tier 4 Final	
Exhaust after-treatment		DOC / DPF / SCR	
HP		250	
Rated speed (High)	RPM	2100	
Rated speed (Low)	RPM	1300	
Fuel tank capacity	Gal (L)	88 (333)	
Fuel consumption @ 100% load	Gal/hr (L/hr)	10.7(40.5)	10.7(40.5)
Fuel autonomy @ 100% load	Hours	8.2	8.2
DEF tank capacity	Gal (L)	11.3 (43)	
DEF autonomy @ 100% load***	Hours	>24	

Unit dimensions - LxWxH		
Single axle trailer	Inches	203 x 80 x 86
Weight (Wet)	lbs (kg)	7,980 (3,620)
Support mounted	Inches	145.5 x 66.5 x 78
Weight (Wet)	lbs (kg)	7,695 (3,490)

The Chicago Pneumatic design principals:

- ✓ Built to last (heavy duty galvanized steel)
- ✓ Simple service
- ✓ Compact and easy to move
- ✓ Maximum fuel efficiency



*Measured according to ISO 1217, 2009 annex D. Dependant on ambient conditions and temperature.

**Aftercooler is an optional feature.

***Based on estimate of 3.5% of fuel consumption. Actual amount will vary based on environmental conditions, DEF age and quality.

IMPORTANT: Never use compressed air as breathing air without prior purification in accordance with local legislation and standards. Chicago Pneumatic assumes no responsibility or liability related to the purchaser's/user's breathing air system.

The information contained herein is general in nature and is not intended for specific construction, installation or application purposes.