



### Standard Scope of Supply

The Chicago Pneumatic **CPS 110-100** is a single-stage, oil-injected, rotary screw type air compressor, powered by a liquid-cooled, three-cylinder turbocharged Kubota diesel engine.

The unit hosts the new generation C67 Screw element in its air end combined with a Kubota made diesel engine model D902, complying with Tier 4 Final emission standard.

An undercarriage with fixed towbar and pintle eye is available as standard, combined with Department of Transportation approved road lighting.

Special attention has been given to the overall product quality, user friendliness, ease of serviceability, and economical operation to ensure best in class cost of ownership.

### Features

### Benefits

- |  |   |
|--|---|
| <ul style="list-style-type: none"><li>• Compact, fuel-efficient engine</li><li>• Designed with environmental protection in mind</li><li>• Compact, sound attenuated, corrosion resistant enclosure</li><li>• Redrock™ hood and 3-layer painting of metal parts</li></ul> | <ul style="list-style-type: none"><li>• Saves up to 12% of fuel on typical applications in this range.</li><li>• The unit comes with a Spillage Free frame as Standard with 110% fluid containment and Tier 4 Final emission compliant engine, this makes the compressor suitable for use in all areas in North American.</li><li>• For OND compliance the unit is enclosed in a sound attenuated Zincor steel enclosure.<br/>Compact and maneuverable, saving valuable space on your job site, and during transportation, less than 1200 lb.</li><li>• High residual value and low repair costs.</li></ul> |
|--|---|

## Main data

Model		CPS 110
Minimum effective receiver pressure	psi(g)	72
Maximum effective receiver pressure (Unloaded)	psi(g)	128
Normal effective working pressure	psi(g)	100
Actual free air delivery	cfm	95
Fuel consumption		
at 100% FAD (full load)	US gal/hr	1.46
at 75% FAD	US gal/hr	1.20
at 50% FAD	US gal/hr	0.86
at 25% FAD	US gal/hr	0.62
Specific fuel consumption at 100% FAD	g/m <sup>3</sup>	29.8
Maximum typical oil content of compressed air	mg/m <sup>3</sup>	5
Max. sound pressure level (Lp @ ISO 2151)	dB(A)	71
Max. sound power level (Lw @ 2000/14/EC)	dB(A)	99
Compressed air temperature at outlet valve	°F (°C )	185 (85)
Max. ambient temperature at sea level	°F (°C )	109 (43)
Min. starting temperature with cold weather equipment	°F (°C )	-4 (-20)
Engine		Kubota
Type		D902
Emission stage		Tier 4 Final
Coolant		GENCool
Number of cylinders		3
Bore	mm	72
Stroke	mm	73.6
Swept volume	l	0.898
Engine power at normal shaft speed @ ISO 9249G	hp	24.8
Full Load	rpm	3600
Unload	rpm	2200
Capacity of oil sump: - Initial fill	US gal (l)	0.97 (3.67)
Capacity of oil sump: - Refill (max)	US gal (l)	1.00 (3.79)
Capacity of cooling system	US gal (l)	1.19 (4.50)
Capacity of compressor oil system	US gal (l)	1.98 (7.50)
Net capacity of air receiver	US gal (l)	2.64 (10.00)
Air volume at inlet grating (approx.)	cfm	1970
Capacity of standard fuel tanks	US gal (l)	7.52 (28.50)
Safety valve - minimum opening pressure	psi(g)	143.5