Operator's Manual

Chicago Pneumatic

CP3450 Series Model D

CP3451 Series Model D

⚠ WARNING

To reduce risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near this tool must read and understand these instructions before performing any such task.

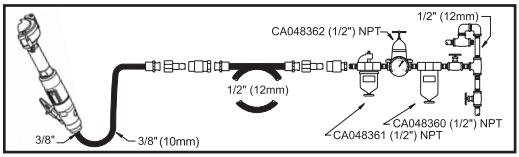
INSTRUCTION MANUAL

Machine Type:
CP3451-18SEC, CP3451-18SERC:
Power tool equipped with 1/4" collet chuck for use with various burrs for grinding - No other use is permitted

CP3450 Series, CP3451-16SE25, CP3451-16SER25, CP3451-18SE3, CP3451-18SER3:
Power tool equipped with 3/8", 5/8" & M14 spindle with various grinding wheels for grinding - No other use is permitted.

Air Supply Requirements

1. Supply tool with 90 psig (6.3 bar) of clean, dry air. Higher pressure drastically reduces tool life.
2. Connect tool to air line using pipe, hose and fitting sizes shown in the diagram below.
3. Do not install a quick coupler directly into the grinder throttle handle.



Lubrication

Use an air line lubricator with SAE #10 oil, adjusted to two drops per minute. If an air line lubricator cannot be used, add air motor oil to the inlet once a day.

Maintenance

1. Disassemble and inspect tool every three months if the tool is used every day. Replace damaged or worn parts.
2. High wear parts are underlined in the parts list.
3. To keep downtime to a minimum, the following service kits are recommended:
   Tune-Up Kit: 6153973030

Technical Data

	Power	Free Speed
CP3450 Series	1,1 Hp (850W)	12 000 RPM
CP3451-18SEC, CP3451-18SERC	1Hp (750W)	18 000 RPM
CP3451-16SE25, CP3451-16SER25	0,8Hp (600W)	16 000 RPM
CP3451-18SE3, CP3451-18SER3	1Hp (750W)	18 000 RPM

Air pressure 90 psi (6.3 bar)

*Noise & Vibration Declaration**

	Vibration level a (m/s²)	uncertainty k (m/s²)	Sound pressure level (4) (dBA)
CP3450-12AC4 (1)	6,5	2,1	87
CP3450-12ACR4 (1)	8,1	2,9	90
CP3450-12AC45 (1)	8,3	3	87
CP3450-12AA5 (1)	8,1	2,9	87
CP3450-12AB5 (1)	8,5	2,8	87
CP3451-18SEC (2)	3,6	1	81,5
CP3451-18SERC (2)	3,6	1	84
CP3451-16SE25 (3)	10	5	86
CP3451-16SER25 (3)	14,1	4,7	82
CP3451-18SE3 (3)	11,2	5,7	81,5
CP3451-18SER3 (3)	11,2	5,7	84

(1) re. ISO 28927-1
(2) re.ISO 20643
(3) re. ISO 28927-4
(4) uncertainty 3 dB(A), in accordance with EN ISO 15744.
For sound power, add 11 dB(A).

Declaration of noise and vibration emission
All values are current as of the date of this publication.
These declared values were obtained by laboratory type testing in accordance with the stated standards and are suitable for comparison with the declared values of other tools tested in accordance with the same standards. These declared values are not adequate for use in risk assessments and values measured in individual work places may be higher. The actual exposure values and risk of harm experienced by an individual user are unique and depend upon the way the user works, the workpiece and the workstation design, as well upon the exposure time and the physical condition of the user.
We, Chicago Pneumatic, cannot be held liable for the consequences of using the declared values, instead of values reflecting the actual exposure, in an individual risk assessment in a work place situation over which we have no control.