



Chicago  
Pneumatic

# *Operator's Manual*

CP875 / CP876

Die Grinder



## **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, as well as separately provided safety instructions part number 6159948750, before performing any such task.*

# Air Diagram:

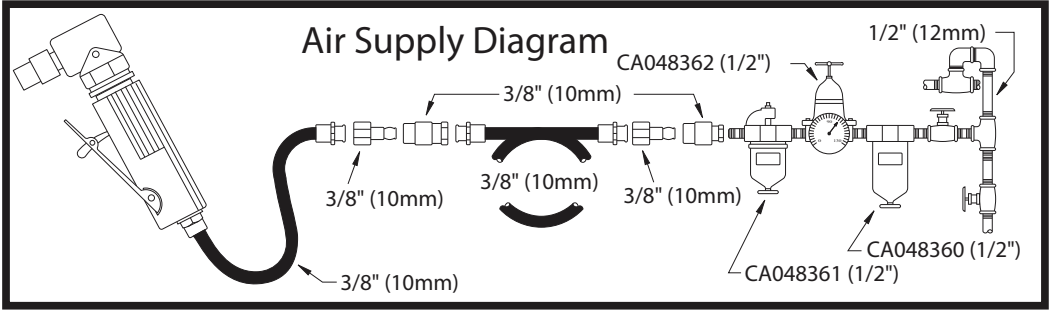


Fig. 1

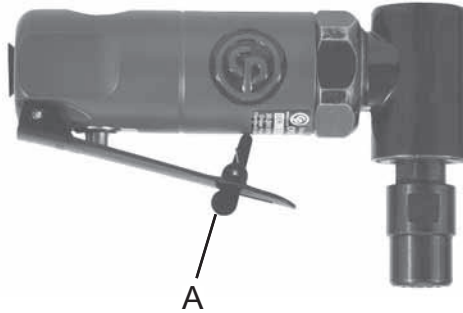


Fig. 2

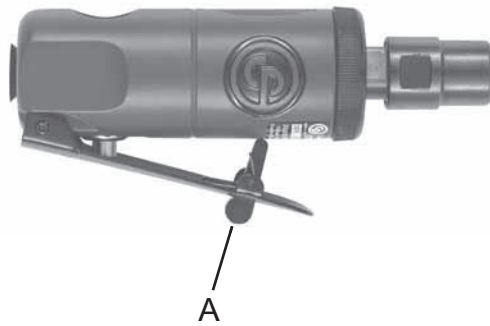












Fig. 3

| Model | Speed  |      | POWER |     | Collet Capacity |      | Air Consu @load |     | Net Weight |     | Tool length |      | Vibrations |     | SoundPress. |      | Sound-Power r |    | Air Inlet. |    | Inner Hose |  |
|-------|--------|------|-------|-----|-----------------|------|-----------------|-----|------------|-----|-------------|------|------------|-----|-------------|------|---------------|----|------------|----|------------|--|
|       | Rpm    | Hp   | W     | in. | mm              | Cfm  | l/s             | lb  | Kg         | in. | mm          | ahd  | K          | LpA | LwA         | NPTF | in.           | mm | in.        | mm |            |  |
|       |        |      |       |     |                 |      |                 |     |            |     |             |      |            |     |             |      |               |    |            |    |            |  |
|       | 1      | 2    |       | 3   |                 | 4    |                 | 5   |            | 6   | 7           | 8    |            | 9   |             | 10   |               | 11 |            |    |            |  |
| CP875 | 22,500 | 0.30 | 0.22  | 1/4 | 6               | 22.0 | 10.4            | 1.0 | 0.5        | 4.9 | 124         | 4.4  | 1.9        | 101 | 112         | 1/4" | 3/8"          |    |            |    |            |  |
| CP876 | 30,000 | 0.30 | 0.22  | 1/4 | 6               | 24.0 | 11.3            | 0.8 | 0.3        | 4.8 | 121         | <2.5 |            | 101 | 112         | 1/4" | 3/8"          |    |            |    |            |  |

**1. Technical Data (see Fig 4.)**

| Model | Speed   | Power   | Collet Capacity   |   | Air Consu @load   |   | Net Weight  |   | Tool lenght   |   | Vibrations |     | SoundPress. | SoundPower | Air Inlet. | Inner Hose |     |    |
|-------|---|---|---|---|---|---|---|---|---|---|------------|-----|-------------|------------|------------|------------|-----|----|
|       | Rpm   | Hp  | W   | in.   | mm  | Cfm   | l/s   | lb  | Kg  | in.   | mm         | ahd | K           | LpA        | LwA        | NPTF       | in. | mm |
|       |  |  |  |  |  |  |  |  |  |  |            |     |             |            |            |            |     |    |
|       | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11         |     |             |            |            |            |     |    |

max pressure 6.3 bar (90 psi)

$a_{hd}$ : Vibration level, k Uncertainty ;  $L_{pA}$  Sound pressure level dB(A),  $K_{pA} = K_{WA} = 3$  dB Uncertainty.

**Declaration of noise (ISO 15744) and vibration emission (ISO 28927-2)**

All values are current as of the date of this publication. For the latest information please visit [www.cp.com](http://www.cp.com).

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 TOOLS**, 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.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed. An EU guide to managing hand-arm vibration can be found at [www.pneurop.eu/uploads/documents/pdf/PN3-02-NV\\_Declaration\\_info\\_sheet\\_0111.pdf](http://www.pneurop.eu/uploads/documents/pdf/PN3-02-NV_Declaration_info_sheet_0111.pdf)

We recommend a programme of health surveillance to detect early symptoms which may relate to noise or vibration exposure, so that management procedures can be modified to help prevent future impairment.

**2. Machine Type**

- Pneumatic tool equipped with 1/4" collet chuck for use with various burrs for grinding - No other use permitted. For professional use only.
- Please read the product safety information carefully!

**3. Implementation and Operation**

- Connect device as shown in Fig.01.
- Fix the accessories properly to the tool.
- To start the machine, simply pull the trigger (A). Machine speed is increase by increasing pressure on the trigger. Release the trigger to stop.

**4. Lubrication**
**• Motor Lubrication**

Use an air line lubricator with SAE #10 oil, adjusted to two (2) drops per minute. If an air line lubricator cannot be used, add air motor oil to the inlet once a day.

**• Bevel gear Lubrication**

Use Mobilux EP-2 or equivalent grease.

**5. Maintenance**

- **Follow local country environmental regulations for safe handling and disposal of all components**
- Disassemble and inspect the tool every three 3 months if the tool is used every day. Replace damaged or worn parts.
- Always ensure that the machine is disconnected from energy source (compressed air) to avoid accidental operation.
- High wear parts are underlined in the parts list.
- To keep downtime to a minimum, the following service kits are recommended:

**6. Disposal**

- The disposal of this equipment must follow the legislation of the respective country.
- All damaged, badly worn or improperly functioning devices **MUST BE TAKEN OUT OF OPERATION.**
- **Repair only by technical maintenance staff.**

**7. Declaration of conformity**

We : **CHICAGO PNEUMATIC Tool Co. 1800 Overview Drive Rock Hill, SC 29730 - USA**

Declare that the product(s) : Die grinder

Machine type(s) : **CP875, CP876**

Serial Number: **From 00001 to 99999**

Origin of the product : **Taiwan**

is in conformity with the requirements of the council Directives on the approximation of the laws of the Member States relating to "Machinery" **2006/42/EC (17/05/2006)** applicable harmonised standard(s) : **EN ISO 11148-9:2011**

Name and position of issuer : **Nicolas Lebreton (R&D Manager)**

Place & Date : Saint-Herblain, **26/06/2013**



Technical file available from EU headquarter. Nicolas Lebreton (R&D Manager) LLC CP Technocenter 38, rue Bobby Sands - BP10273 44800 Saint Herblain - France

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