Chicago Pneumatic

Operator's Manual

CP858 Series

Belt Sander

⚠ 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 6159948770, before performing any such task.

Air Diagram:

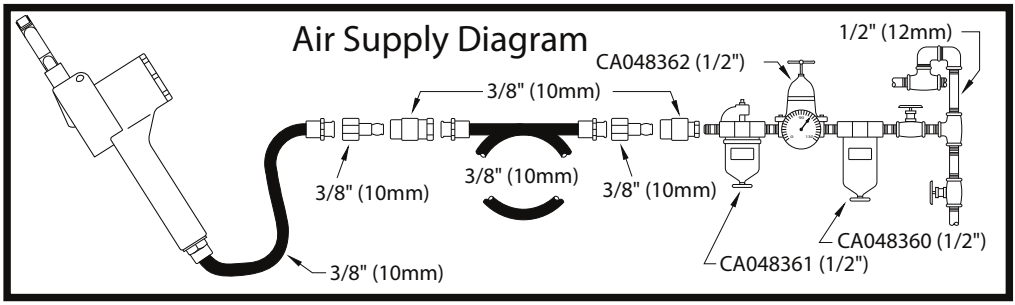

Fig. 01

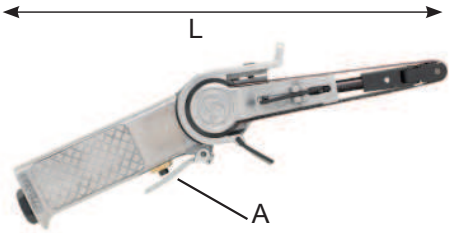

Fig. 02

Model	Power		Free Speed	Belt Capacity LxW	Dimension L		Weight		Air Consumption		Air Inlet	Inner Hose Dia.		Sound Pressure LpA	Sound Power LwA	Vibrations	
									At load	Average						ahd	K
	1		2	3	4		5		6		7	8		9		10	11
	[Hp]	[W]	[rpm]	[mm] [inch]	[mm]	[inch]	[Kg]	[lb]	[L/min] [SCFM]	[l/min] [SCFM]	[inch]	[mm]	[inch]	[dB(A)]	[dB(A)]	[m/s²]	[m/s²]
CP858	0.4	300	18 000	10x330 3/8x13	275	10.8“	1.13	2 1/2	623 22	311 11	0.25	10	3/8“	93	104	<2.5	-

1.Technical Data

Model	Power		Free speed	Belt capacity LxW	Dimension LXH		Weight		Air Consumption Average	Air Consumption at load	Air Inlet	Inner Hose Dia.		Sound pressure L_{pA}	Soundpower L_{wA}	Vibrations a_{hd}	Vibrations K
																	
	1		2	3	4		5		6		7	8		9		10	11
	[Hp]	[W]	[RPM]	[mm] [inch]	[inch]	[mm]	[kg]	[lb]	[l/min] [SCFM]	[l/min] [SCFM]	[inch]	[inch]	[mm]	[dB(A)]	[dB(A)]	[m/s²]	[m/s²]

max. pressure 6.3bar(90psi)

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

Declaration of noise and vibration statement (ISO 15744 and ISO 28927-2)
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 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.

2. Machine type(s)

- This product is designed for removing material using abrasives. No other use permitted. For professional use only.
- Please read the instructions carefully before starting the machine.

3. Operation

- Fix the accessories properly to the tool.
- Connect device as shown in Fig. 01.
- To start the machine, pull the trigger (A). Machine speed is increase by increasing pressure on the trigger. Release the trigger to stop.
- Do not install a quick coupler directly into the sander throttle handle.

4. Lubrification

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.
Recommended lubricant : CP Oil PROTECTO-LUBE
- 4 oz (0.12l) P/N: CA149661
- 20.8 oz (0.591l) P/N: CA000046
- 1gal (3.8l) P/N: P089507

5. Maintenance instruction

- **Follow local country environmental regulations for safe handling and disposal of all components.**
- Maintenance and repair work must be carried out by qualified personnel using only original spare parts. Contact the manufacturer or your nearest authorised dealer for advice on technical service or if you require spare parts.
- Always ensure that the machine is disconnected from energy source to avoid accidental operation.
- Disassemble and inspect the tool every three 3 months if the tool is used every day. Replace damaged or worn parts.
- High wear parts are underlined in the parts list.

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

Machine type(s): **belt sander**
Declare that the product(s): **CP858** Serial Number: **00000 - 99999A**
Origin of the product : **JAPAN**
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 11148-8:2011**

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

Place & Date : Saint-Herblain, **04/06/2015**

Original Instructions are in English. Other languages are a translation of the original instructions.

Chicago Pneumatic

(1) **DECLARATION OF CONFORMITY**

(Fr) DECLARATION DE CONFORMITE

CE

(4) declare that the product(s): **PNEUMATIC SANDERS & POLISHERS**

(5) Machine type(s) :

(6) Origin of the product (Fr) Origine du produit	**Chicago Pneumatic Brand**
Taiwan	CP7268, CP864 CP870, CP7858 CP7859, CP873
Japan	CP858, CP778
(6) Origin of the product (Fr) Origine du produit	**RediPower Brand**
Taiwan	RP9779, RP9777, RP9166 RP3600, RP3601, RP3602, RP3603, RP3604, RP3605, RP3610, RP3611, RP3612, RP3613, RP3614, RP3615, RP3620, RP3621, RP3622, RP3623, RP3624, RP3625 RP3510, RP3511, RP3512, RP3513, RP3514, RP3515 RP9775, RP9776, RP9778, RP9779, RP9780

Serial #: See on tool document

(7) is in conformity with the requirements of the council Directives on the approximation of the laws of the Member States relating :

(8) to **"Machinery"** 2006/42/EC (17/05/2006)

(11) applicable harmonised standard(s) : EN ISO 11148-8:2011

(12) NAME and POSITION of issuer :

Bruno BLANCHET
(General Manager)

(13) Place & Date : Saint-Herblain, **29/06/2012**

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(1) **DECLARATION OF CONFORMITY**

CE

Vibration levels

SANDER / POLISHER		ISO 28927-3 (3 axis)		ISO 8662-8 (1 axis)		ISO 15744	
Models	**Part #**	a_{hd} m/s^2	**K** m/s^2	a_h m/s^2		L_{pA} dB(A)	L_{WA}dB(A)
CP7201 RP9777	8941072014 6151939777	<2,5		<2,5		88	99
CP7268	8941072680	22,0	13,5	19		93	104
CP864	8941008641	4,0	3,6	<2,5		86	97
RP9779	6151939779	<2,5		<2,5		90,5	101,5
RP9534	6151939534	2,6	1,1	<2,5		83	94
RP9674	6151939674	2,5	1,2	<2,5		83	94
RP9166	6151939166	<2,5		<2,5		80	91
CP858	*T025179*	*<2,5*		*<2,5*		*93*	*104*
RP9779 *CP7858*	*6151939779* *8941078580*	*<2,5*		*<2,5*		*90,5*	*101,5*
RP9780 *CP7859*	*6151939780* *8941078590*	*<2,5*		*<2,5*		*90,5*	*101,5*
RP9778	*6151939778*	*<2,5*		*<2,5*		*90*	*101*
CP778	*T023048*	*<2,5*		*<2,5*		*99,5*	*110,5*
CP7202 *RP9776*	*8941072021* *6151939776*	*<2,5*		*<2,5*		*85*	*96*
CP7200 *RP9775*	*8941072001* *6151939775*	*5,9*	*2*	*7,1*		*86*	*97*
CP870	*T023990*	*13,6*	*4,3*	*6,2*		*85*	*96*
CP7225, CP7225SV, CP7225CV		*<2,5*		*<2,5*		*81*	*92*
CP7225E, CP7225SVE, CP7225CVE		*<2,5*		*<2,5*		*81*	*92*
CP7255, CP7255SV, CP7255CV		*4,1*	*2,4*	*<2,5*		*81*	*92*
CP7255E, CP7255SVE, CP7255CVE		*3,3*	*1,6*	*<2,5*		*81*	*92*
CP7215, CP7215SV, CP7215CV		*4,9*	*3,4*	*<2,5*		*81*	*92*
CP7215E, CP7215SVE, CP7215CVE		*4,9*	*3,4*	*<2,5*		*81*	*92*
RP3600, RP3601, RP3602, RP3603, RP3604, RP3605		*2,7*	*1,3*	*<2,5*		*81*	*92*
RP3610, RP3611, RP3612, RP3613, RP3614, RP3615		*2,4*	*1,1*	*<2,5*		*81*	*92*
RP3620, RP3621, RP3622, RP3623, RP3624, RP3625		*4,1*	*1,4*	*<2,5*		*81*	*92*
RP3510, RP3511, RP3512, RP3513, RP3514, RP3515		*3*	*1,3*	*<2,5*		*81*	*92*
CP7225-3, CP7225E-3, CP7225CVE-3		*2,5*	*1,3*	*<2,5*		*76*	*87*
CP7255-3, CP7255E-3, CP7255CVE-3		*4,4*	*1,5*	*<2,5*		*76*	*87*
CP7255H		*5,4*	*2,4*	*<2,5*		*81*	*92*
CP7255HE, CP7255HCVE		*3,1*	*5,2*	*<2,5*		*81*	*92*
CP7215H, CP7215HE, CP7215HCVE		*4,4*	*2,8*	*<2,5*		*81*	*92*
CP873		*4,9*	*3,8*	*<2,5*		*98*	*109*

a_{hd}, a_h : Vibration levels
L_{pA} Sound pressure level
$K_{pA} = K_{WA} = 3dB$ Uncertainty

⚠ 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.

SAFETY INSTRUCTIONS

• DO NOT DISCARD - GIVE TO USER

- Our goal is to produce tools that help you work safely and efficiently. The most important safety device for this or any tool is YOU. Your care and good judgement are the best protection against injury. All possible hazards cannot be covered here, but we have tried to highlight some of the important ones.
- Only qualified and trained operators should install, adjust or use this power tool.
- This tool and its accessories must not be modified in any way.
- Do not use this tool if it has been damaged.
- If the rated speed, operating pressure or hazard warning signs on the tool cease to be legible or become detached, replace without delay.

⚠ Air supply and connection hazards

- Air under pressure can cause severe injury.
- Always shut off air supply, drain hose of air pressure and disconnect tool from air supply when not in use, before changing accessories or when making repairs.
- Never direct air at yourself or anyone else.
- Whipping hoses can cause severe injury. Always check for damaged or loose hoses and fittings.
- Do not use quick disconnect couplings at tool. See instructions for correct set up.
- Whenever universal twist couplings are used, lock pins must be installed.
- Do not exceed maximum air pressure of 6.3 bar / 90 psig, or as stated on tool nameplate.

⚠ Entanglement hazards

- Keep away from moving sand pad. Note that the abrasive will continue to run after the start valve has closed; for dual action sanders, this can last several seconds.
- Choking, scalping and / or lacerations can occur if loose clothing, gloves, jewellery, neck ware and hair are not kept away from tool and accessories.

⚠ Projectile hazards

- Failure of the accessory or abrasive, or of the workpiece, can generate high-velocity projectiles. Even small projectiles can injure eyes and cause blindness.
- Always wear impact-resistant eye and face protection when involved with or near the operation, repair or maintenance of the tool or changing accessories on the tool.
- Be sure all others in the area are wearing impact-resistant eye and face protection
- Daily measure the speed of a rotary sander or polisher with a tachometer to make sure that it is not greater than the RPM marked on the backing pad, drum or abrasive.
- Ensure that the backing pad / abrasive is securely clamped to the sander using the tools provided.
- Ensure that the workpiece is securely fixed.

⚠ Accessory hazards

- Always shut off air supply, relieve hose of air pressure and disconnect tool from air supply when changing accessories.
- Use only recommended sizes and types of accessories and consumables.
- Never use a backing pad, drum or abrasive with a permitted speed lower than the air sander speed.
- Never mount a grinding or cutting-off wheel on a sander. A grinding wheel that bursts can cause very serious injury or death when not properly guarded.
- Use only coated abrasive sanding discs or sheets properly secured to the backing pad provided with the air sander. Ensure that self-fixing sanding discs are mounted concentrically.

⚠ Operating hazards

- Operators and maintenance personnel must be physically able to handle the bulk, weight and power of the tool.
- Hold the tool correctly: be ready to counteract normal or sudden movements – have both hands available.
- You can be cut, pinched or burned if you come into contact with the sanding pad, abrasive or the work surface. Avoid contact and wear suitable gloves to protect hands.
- Inspect backing pad before each use. Do not use if cracked or broken, or if it has been dropped.
- Never run the tool unless the abrasive is applied to the workpiece.
- There is a risk of electrostatic discharge if used on plastic and other non-conductive materials.
- When using a tool that is designed to have a guard, the guard should be in place to offer protection from grinding swarf and other debris.

⚠ Repetitive motion hazards

- When using a power tool to perform work-related activities, the operator might experience discomfort in the hands, arms, shoulders, neck, or other parts of the body.
- Adopt a comfortable posture whilst maintaining secure footing and avoiding awkward or off-balance postures. Changing posture during extended tasks can help avoid discomfort and fatigue.
- Do not ignore symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensation, or stiffness. Stop using the tool, tell your employer and consult a physician.

⚠ Noise and vibration hazards

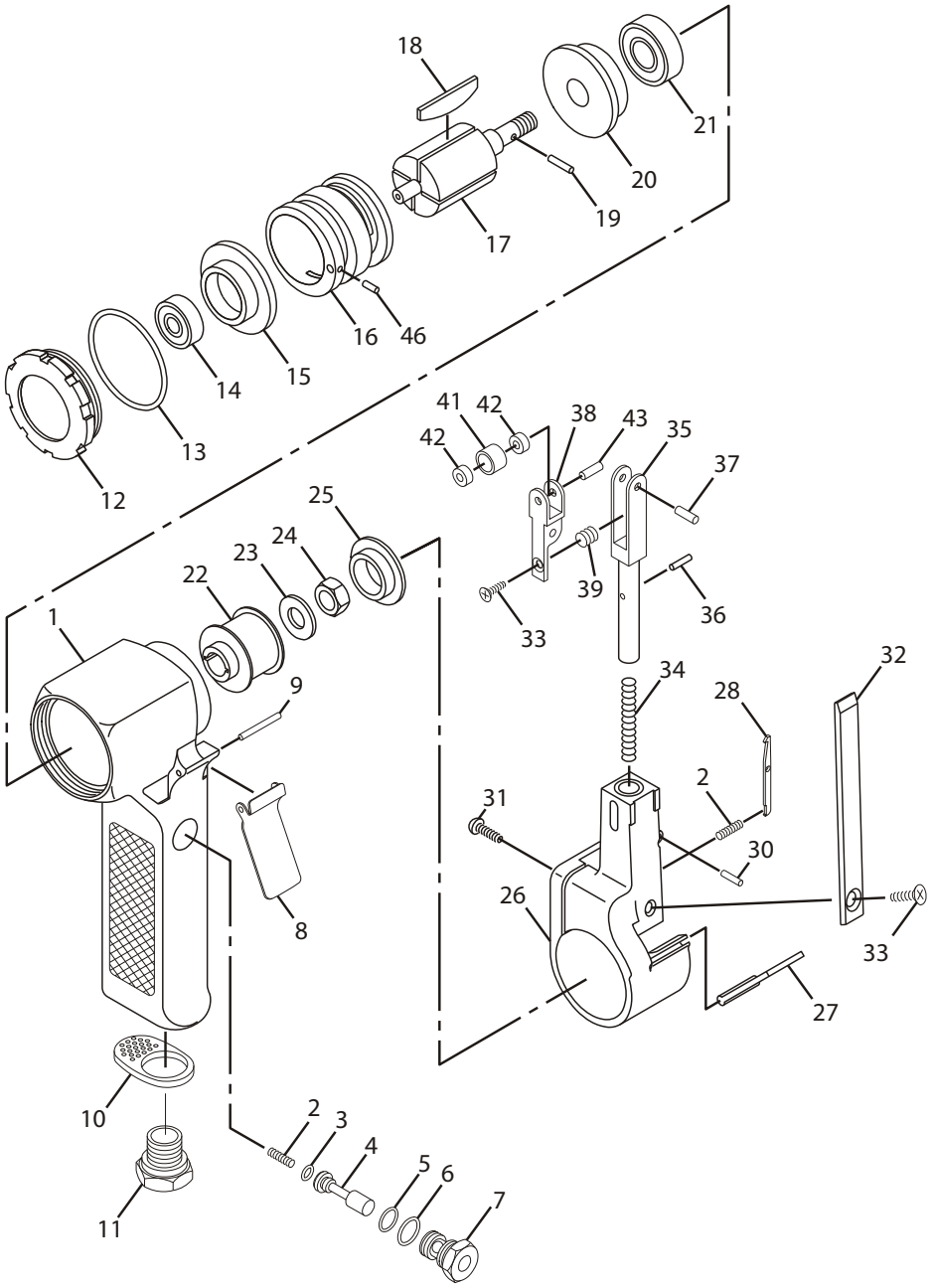
- High sound levels can cause permanent hearing loss and other problems such as tinnitus. Use hearing protection as recommended by your employer or occupational health and safety regulations.
- Exposure to vibration can cause disabling damage to the nerves and blood supply of the hands and arms. Wear warm clothing and keep your hands warm and dry. If numbness, tingling, pain or whitening of the skin occurs, stop using tool, tell your employer and consult a physician.
- Hold the tool in a light but safe grip because the risk from vibration is generally greater when the grip force is higher. Where possible support the weight of the tool with a balancer.
- To prevent unnecessary increases in noise and vibration levels:
  - Operate and maintain the tool, and select, maintain and replace the accessories and consumables, in accordance with this instruction manual;
  - Use damping materials to prevent workpieces from “ringing”.

⚠ Workplace hazards

- Slip/Trip/Fall is a major cause of serious injury or death. Be aware of excess hose left on the walking or work surface.
- Avoid inhaling dust or fumes or handling debris from the work process which can cause ill health (for example, cancer, birth defects, asthma and/or dermatitis). Use dust extraction and wear respiratory protective equipment when working with materials which produce airborne particles.
- Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Some examples of these chemicals are:
  - Lead from lead based paints
  - Crystalline silica bricks and cement and other masonry products
  - Arsenic and chromium from chemically-treated rubber
- Your risk from these exposures varies, depending on how often you do this type of work.
- To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.
- Proceed with care in unfamiliar surroundings. Hidden hazards may exist, such as electricity or other utility lines.
- Potentially explosive atmospheres can be caused by dust and fumes resulting from sanding or grinding. Always use dust extraction or suppression systems which are suitable for the material being processed.
- This tool is not intended for use in potentially explosive atmospheres and is not insulated from coming into contact with electric power.

Chicago Pneumatic

CP858
Air Sander
Model C



Index No.	Parts No.	Description	Qty
1	CA155541	Motor Housing	1
2	CA155542	Spring	2
3	KF125427	O-Ring	1
4	CA155543	Valve Stem	1
5	P083071	O-Ring	2
6	CA155654	O-Ring	1
7	CA155544	Body-Valve	1
8	CA155545	Throttle Lever	1
9	KF124394	Lever Pin (3-24 mm)	1
10	CA155547	Deflector	1
11	CA155548	Inlet Bushing	1
12	CA155549	Nut-Motor	1
13	C042234	O-Ring	1
14	S025101	Ball Bearing	1
15	CA155550	Plate-Rear	1
16	CA155551	Liner	1
17	CA155552	Rotor	1
18	CA155553	Rotor Blade	4
19	CA155650	Pin-Pulley	1
20	CA155554	Plate-Front	1
21	C120326	Ball Bearing	1
22	CA155555	Pulley-Drive	1
23	CA155652	Washer	1
24	CA155651	Nut-Lock	1
25	CA155556	Cap-Pulley	1
26	CA155557	Cover-Wheel with Bushing	1
27	CA155558	Deflector	1

Index No.	Parts No.	Description	Qty
28	CA155559	Lever-Stop	1
30	CA155657	Pin-Roll (2.5-10 mm)	1
31	C078984	Adjust Screw	1
32	CA155560	Shoe	1
33	CA155655	Screw-Flat (m4 x 12)	2
34	CA155561	Spring-Tension	1
35	CA155562	Arm-Tension	1
36	CA155563	Pin-Stop	1
37	CA155656	Pin-Roll (3-11 mm)	1
38	CA155564	Arm-Adjust	1
39	CA155565	Spring-Adjust	1
41	CA155566	Pulley-Idler	1
42	CA155649	Ball Bearing	2
43	CA155567	Pulley Pin	1
46	CA155568	Pin-Roll (2-6 mm)	1
	CA145203	Wrench-Hex (Not Shown)	1

	CA155539	Operator's Manual
	4687093	Warning Label
	6159948770	Safety Instuctions

Spare parts without part number are not sold separately - High wear parts underlined

View other air tools and compressors made by Chicago Pneumatic on our website.