Chicago Pneumatic

People. Passion. Performance.

New CP3650 series

Durable productivity in the toughest work environments

New CP3650 angle grinders and sanders series

Best seller CP3650 now with 25% increased durability and superior ergonomics

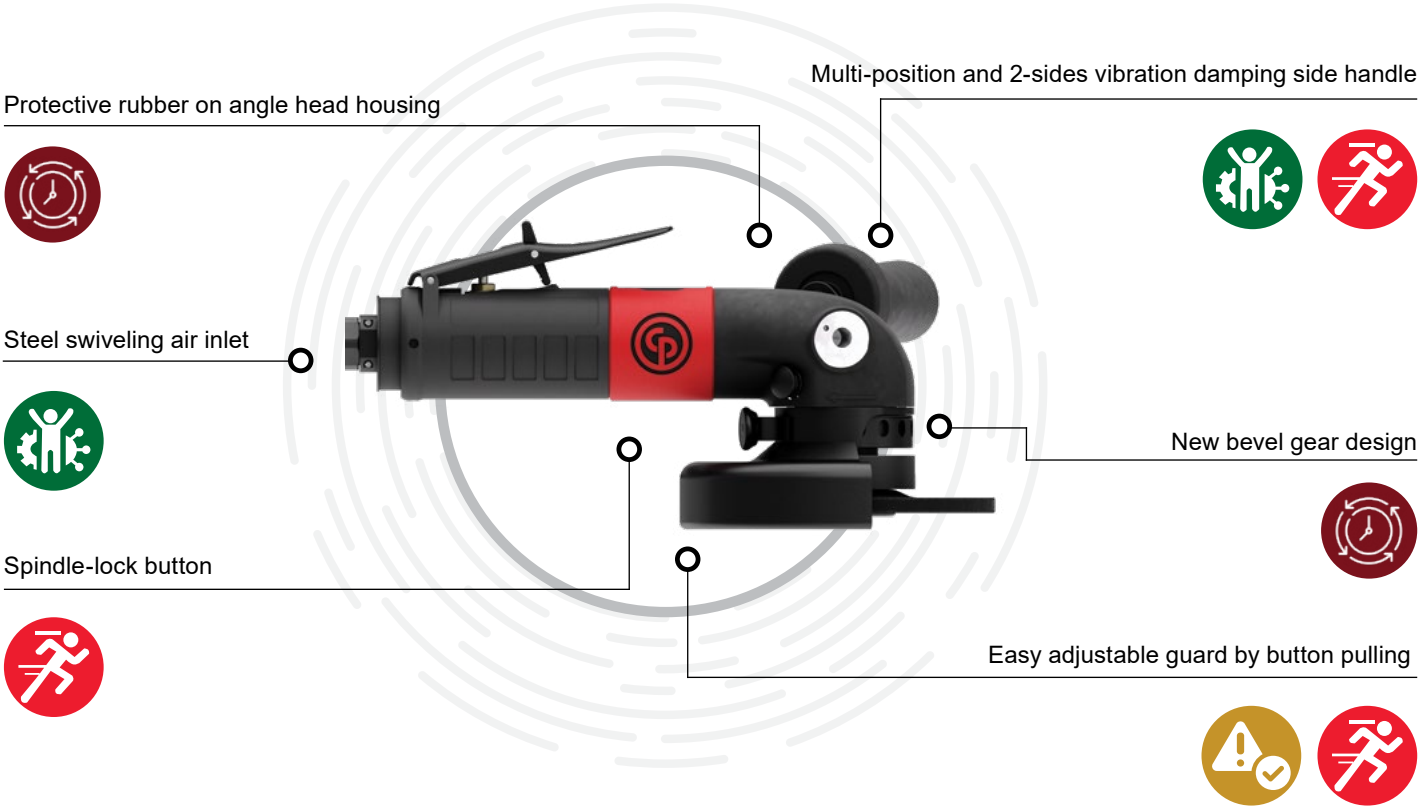
For industrial heavy-duty applications requiring a powerful, durable and versatile tool, the new CP3650 series is the perfect combination of quality and value.

This Grinder & Sander series delivers sustainable productivity thanks to the 1800W governed motor, high maintenance intervals and efficient abrasive disc change (HEX version).

Featuring +25% improved robustness with exceptional bevel gear life of 2500 hours, improved ergonomics increasing operator safety and comfort and 7% carbon footprint reduction against previous models.

The new innovative CP3650 series, designed to deliver sustainable productivity with no compromise on operator safety and wellbeing.

Main features and characteristics



Durability | **Productivity** | **Ergonomics** | **Safety**

New bevel gear design

Steel swiveling air inlet

Multi-position vibration damping side handle

Easy adjustable guard

Protective rubber

The NEW CP3650 is designed for a large variety of inside and outside applications

Deburring

Weld seam removal

Panel cutting

Surface preparation

A large range of accessories

Sound reduction accessories to decrease the noise levels until 11 dB(A):

Silencer kit (6153961660)

Clip-on silencer (6153969570)

Exhaust hose (6158751130)

Dust extraction kits:

for cutting discs (6158136210)

for 5'' and 7'' sanding discs (6158136220 & 6158136230)

Protective guards for sanding:

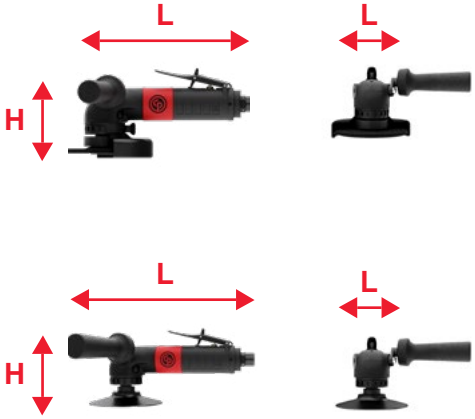
Small finger guard (6158136250)

Large finger guard (6158136240)

Technical data

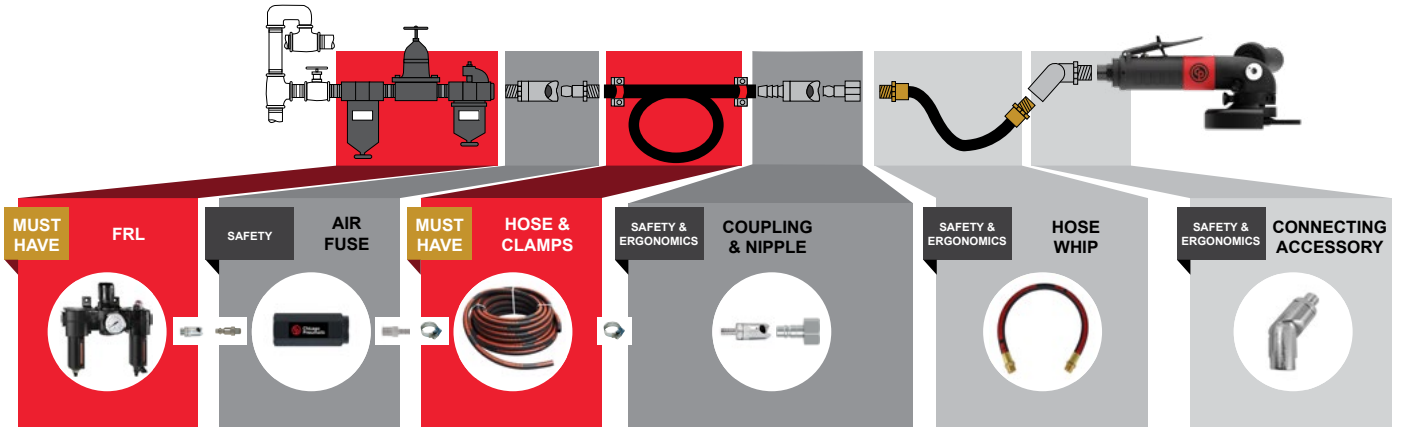
	Model	Refrence	Power		Free Speed	Spindle shaft	Auto balancer	Max wheel size		Air Inlet	Air cons. at free speed	Air cons. at load	Sound power	Sound Pressure	Vibration
			W	HP	rpm			in.	mm	in.	Nl/s	Nl/s	Standard dB(A)		
Grinders	CP3650-120AB45	6151607840	1800 W	2,4	12000	5/8-11	No	41/2	115	3/8	17.6 Nl/s	29.8 Nl/s	101	90	7.0 m/s²
	CP3650-120AB5	6151607850	1800 W	2,4	12000	5/8-11	No	5	125	3/8	17.6 Nl/s	29.8 Nl/s	101	90	7.4 m/s²
	CP3650-120AB5V	6151607900	1800 W	2.4	12000	5/8-11	Yes	5	125	3/8	17.6 Nl/s	29.8 Nl/s	93	104	5.9 m/s²
	CP3650-120AA5	6151607860	1800 W	2,4	12000	M14	No	5	125	3/8	17.6 Nl/s	29.8 Nl/s	101	90	7.4 m/s²
	CP3650-120AA5V	6151607870	1800 W	2,4	12000	M14	Yes	5	125	3/8	17.6 Nl/s	29.8 Nl/s	103	92	5.2 m/s²
	CP3650-120AH5V	6151607880	1800 W	2,4	12000	Hexa	Yes	5	125	3/8	17.6 Nl/s	29.8 Nl/s	103	92	3.8 m/s²
	CP3650-100AB6	6151607890	1695 W	2,2	10000	5/8-11	No	6	150	3/8	13.0 Nl/s	26.1 Nl/s	100	89	5.9 m/s²
	CP3650-100AB6V	6151607910	1695 W	2.2	10000	5/8-11	Yes	6	150	3/8	13.0 Nl/s	29.0 Nl/s	90	101	5.3 m/s²
Sanders	CP3650-120AB	6151620420	1800 W	2,4	12000	5/8-11	No	5	125	3/8	17.6 Nl/s	29.8 Nl/s	104	93	2.6 m/s²
	CP3650-120AA	6151620430	1800 W	2,4	12000	M14	No	5	125	3/8	17.6 Nl/s	29.8 Nl/s	104	93	2.6 m/s²
	CP3650-085AB	6151620440	1800 W	2,4	8500	5/8-11	No	7	180	3/8	17.6 Nl/s	29.8 Nl/s	104	93	2.3 m/s²
	CP3650-085AA	6151620450	1800 W	2,4	8500	M14	No	7	180	3/8	17.6 Nl/s	29.8 Nl/s	104	93	2.3 m/s²
	CP3650-075AB	6151620460	1720 W	2,3	7500	5/8-11	No	7	180	3/8	13.1 Nl/s	26.8 Nl/s	101	90	2.0 m/s²

	Model	Refrence	Length (L)		Height (H)		Width		Weight	
			mm	in.	mm	in.	mm	in.	kg	lbs
Grinders	CP3650-120AB45	6151607840	247.5	9.74	102	4	130	5.1	2.2	4.9
	CP3650-120AB5	6151607850	247.5	9.74	102	4	140	5.5	2.2	4.9
	CP3650-120AB5V	6151607900	247.5	9.74	102	4	140	5.5	2.3	5
	CP3650-120AA5	6151607860	247.5	9.74	102	4	140	5.5	2.2	4.9
	CP3650-120AA5V	6151607870	247.5	9.74	102	4	140	5.5	2.2	4.9
	CP3650-120AH5V	6151607880	247.5	9.74	102	4	140	5.5	2.2	4.9
	CP3650-100AB6	6151607890	247.5	9.74	103	4	173	6.8	2.3	5.1
	CP3650-100AB6V	6151607910	247.5	9.74	103	4	173	6.8	2.4	5.2
Sanders	CP3650-120AB	6151620420	247.5	9.74	94	3.7	68	2.7	1.8	4
	CP3650-120AA	6151620430	247.5	9.74	90	3.54	68	2.7	1.8	4
	CP3650-085AB	6151620440	247.5	9.74	94	3.7	68	2.7	1.8	4
	CP3650-085AA	6151620450	247.5	9.74	90	3.54	68	2.7	1.8	4
	CP3650-075AB	6151620460	247.5	9.74	94	3.7	68	2.7	1.8	4



Recommended airline

Tool air consumption	74 cfm	35l/s
Tool inlet thread	3/8 BSP	
Recommended hose diameter and length	1/2” - 16ft	13 mm - 5 m



FRL12BSP
6158135640

EF coupling BSP Male 1/2”
6158135640
Nipple BSP Male 1/2”
6158106660

For Asia:
Asia coupling BSPT Male 1/2”
6158106580
Asia Nipple Hose connector 13mm (set of 10):
6158134800

Air Fuse High Flow BSP 1/2”
110442

For Asia:
no Air Fuse & Hose connector screwed.

Effi Max Hose Ø 3/8” (13mm)
6158109000

Hose Connector Screwed 13mm 1/2” BSP
8951011805

Pressure clamp (order 2 units)
6158046770

EF Hose Connector Coupling (13mm)
6158106520
Nipple BSP Female 3/8”
6158106710

For US:
EF Hose Connector Coupling (13mm)
6158105470
Nipple NPT Female 3/8”
6158105860

Hose Whip Effi Max BSP Male 3/8”
Ø 1/2” (13 mm)
Length 0,6 m
6158112640

For US:
Hose Whip Effi Max NPT Male 3/8”
Ø 1/2” (13 mm)
Length 0,6 m
CA049271

3/8” BSP Air Flex
8940171570

For US:
3/8” NPT Air Flex
8940171571

WATCH THE CP3650 SERIES IN ACTION!

For more information, please contact your CP partner:

Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.

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