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Professional Tool & Equipment News

PTEN

The Independent Tool Authority

2019 POWER TOOL SPEC GUIDE

A COMPREHENSIVE GUIDE TO HELP YOU
CHOOSE THE RIGHT CORDLESS TOOL OR
AIR TOOL FOR YOUR NEEDS

IN ASSOCIATION WITH THE FOLLOWING
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Power tool comparison

Determine the right cordless and air tools for your shop based on function, features and size.

Power tools are the workhorses of any shop. Whether you are looking to upgrade an existing tool, or try something new, it pays to research and compare the latest models available. We've compiled a guide of some of the newest and most popular power tools to help you in this pursuit. The criteria in this guide include torque requirements, available space, tool category and battery size. See the specs side-by-side, and consider which model will best stand up to frequent, repeated use and certain vehicle-specific tasks.

For the 2018 guide, we focused on the cordless and air tool configurations most commonly used in automotive repair — impact wrenches and ratchets — in the most common voltages and drive sizes. Each cordless tool is broken out by voltage to illustrate like-comparisons. Cordless impact wrenches are categorized by

12V/14V and 18V/20V, and impact ratchets 12V/14V of battery power. Voltage is important to note as battery dictates both the run-time and size of a cordless tool. Although batteries add weight, today's Li-ion cells have made great strides in the last few years to enhance run-time and performance for frequent and prolonged use. Take a look and consider the right balance of weight, power and run-time for each featured tool.

We've also incorporated air tools into this year's guide. Air tools remain a staple in many shops, as they can help to speed up work and help to remove tough fasteners, and loosen stubborn nuts and bolts. The air tools in this guide are broken out by drive size: 1/2", 3/4", 3/8" and 1" for impact wrenches, and 3/8" and 1/2" for ratchets.

Whether you are looking to purchase a cordless tool or an air tool, consider the application

the tool will be used for most often. Will you need to get into an extra-snug area? If so, a mini drive impact wrench might be your best bet.

Also consider power-to-size and power-to-weight ratios. As drive size and torque ability increase, so does overall tool size and weight. Smaller, low-torque 1/4" and 3/8" impact wrenches are popular choices for light duty vehicle work where space is limited, while high torque settings and increased size and weight are ideal for heavy duty applications.

These days it seems there is a power tool available for just about every job, preference and price range. In fact, the hardest part may be deciding which one will be the best fit for your toolbox.

Note: On the following spec guide pages, blank fields indicate information not provided by manufacturer; other fields indicate function not available on tool.

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1/2" Drive
1178-VXL
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3/4" Drive
1778-VXL
1700 ft-lb Torque

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PNEUMATIC TOOLS



IMPACT WRENCH - 12V/14V

COMPANY NAME	Makita	Matco Tools	Snap-on Tools	
PRODUCT NAME	12V max CXT Lithium-Ion Cordless 3/8" Impact Wrench Kit	12V Cordless Infinium 1/4" Impact Wrench Kit	14.4 Volt 3/8" Square Drive Impact	
Product model number:	WT02R1	MCL1214IWK	CT761A	
Price				
\$101-250	Battery included			
\$251-500		Battery included	Battery included	
\$501-\$1,000				
Over \$1,000				
Manufacturing Specs				
Maximum rpm	2,600 rpm		2,500 rpm	
Working rpm			0-2,500 rpm	
Maximum tightening torque	103 ft-lbs	60 ft-lbs	120 ft-lbs	
Breakaway/nut-busting torque		100 ft-lbs	140 ft-lbs	
Sound level			94.5 dBA	
Drive size	3/8"	1/4"	3/8"	
Spindle size				
Interchangeable left- or right-hand operation	●		●	
Anti-vibration		●		
Tool weight (with battery)	2.3 lbs	3 lbs	2.5 lbs	
Overall tool length	6-3/8"	9"	6.3"	
Product Features				
Battery type	Li-ion	Li-ion	Li-ion	
Battery voltage	12V	12V	14.4V	
Battery pack capacity	2.0Ah	2.0 Ah	2.0 Ah	
Time to full battery charge			55 min	
Time unit lasts before recharge			Varies by application	
Motor type	Brushless		Brushed	
Motor amperage			30-35A	
Adjustable torque setting? If so, how many?				
Built-in work light	●	●	●	
Variable speed trigger	●	●	●	
Length of manufacturer warranty	3 years	2 years	1 year	
Batteries and Accessories				
Battery and charger included	●	●	●	
Bare tool available	●	●	●	
Additional batteries available for purchase separately	●	●	●	
Battery compatible with other products	●	●	●	
Includes the following accessories:	2.0 Ah battery, charger, bag	Case, charger		
Other accessories available for purchase separately:	4.0 Ah battery, charger, Impact GOLD 3/8" SAE Socket Set, LED Flashlight, Adjustable Beam LED Flashlight		3/8" drive sockets	
Comes in a carrying case	●	●	●	
If Yes to above, blow molded case or canvas bag?	Canvas bag	Canvas bag	Canvas bag	
Application (mark all that apply)				
Small interior fasteners	●	●	●	
Body panel bolts	●	●	●	
Shroud covers	●	●	●	
Suspension bolts	●			
Tire service/lug nuts	●			
Brake jobs	●	●		
Engine	●	●	●	
Interior/exterior work	●	●	●	
Under dash	●	●		
Underhood	●	●		
Tractor/trailer repair	●		●	
Other				
Most unique feature	Makita-built brushless motor delivers 103 ft-lbs of max torque	One of the smallest tools on the market, according to the company; provides up to 60 ft-lbs of max torque	Powerful 120 ft-lbs output, hard hitting compact design, variable speed toggle trigger	

MINI/SUB-COMPACT SIZE

ACDelco	Bosch	Chicago Pneumatic Tools	Ingersoll Rand	Milwaukee Tool
Li-ion 12V 3/8" Impact Wrench	12V Max Brushless Impact Wrench	Cordless 1/4" Impact Driver	IQV12 Series 3/8" 12V Square with Ring Impact Wrench	M12 FUEL 3/8" Stubby Impact Wrench with Friction Ring Kit
ARI12104	PS82BN	CP8818	W1130	2554-22
Battery included	Bare tool	Battery included	Battery included	Battery included
2,800 rpm	2,600 rpm	2,000 rpm	2,700 rpm	0-3,200 rpm
	2,600 rpm		0-2,700 rpm	0-3,200 rpm
90 ft-lbs	1,020 ft-lbs	85 ft-lbs	75 ft-lbs	250 ft-lbs
	1,020 ft-lbs		100 ft-lbs	250 ft-lbs
		86.5 dBA	82 dBA	96.6 dBA
3/8"	3/8"	1/4"	3/8"	3/8"
			3/8"	
●	●	●	●	●
		●		
1.98 lbs	1.6 lbs (bare tool)	2.4 lbs	2 lbs	2.92 lbs
6 1/4"	5.5"	6.3"	5"	4.8"
Li-ion	Li-ion	Li-ion	Li-ion	Li-ion
12V	12V	12V	12V	12V
2.0 Ah		1.5 Ah	2.0 Ah	4.0 Ah
	< 60 min	90 min	75 min	40 min
	Varies by application	Varies by application	Varies by application	
	Brushless		Brushed	Brushless
	2			4
●	●	●	●	●
●	●	●	●	●
1 year	3 years	5 years	3 years	5 years tool, 3 years battery
●	With kit	●	●	●
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
	●	2 batteries, charger		2 batteries, charger, case
	●	Battery, charger		Rubber overmold, sockets
	●	●		●
	Canvas bag	Blow molded case		Canvas bag
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
Compact size, lightweight, powerful, safe ergonomic handle for all-day use	Compact and easy to use; two-stage power setting	Ultra compact for work in small and confined spaces	Dependable, durable, compact, lightweight and easy to use with comfortable ergonomic grip	Industry's first cordless stubby impact, according to the company. Access in tight spaces, power for most tasks

IMPACT WRENCH - 18V/20V

COMPANY NAME	ACDelco	Chicago Pneumatic Tools	Ingersoll Rand	Matco Tools	
PRODUCT NAME	Li-ion 20V Brushless 1/2" JUMBO Impact Wrench	Cordless 1/2" Impact Wrench	IQV20 Series 1/2" 20V High Torque Impact Wrench	20V Cordless Infinium 1/2" Drive High Performance Impact Wrench Kit	
Product model number:	ARI2002	CP8849	W7152	MCL2012HPIWK	
Price					
\$101-250					
\$251-500			Bare tool		
\$501-750			Battery included	Battery included	
\$751-1,000	Battery included		Battery included		
Over \$1,000		Battery included			
Manufacturing Specs					
Maximum rpm	1,700 rpm	1,800 rpm	1,900 rpm	1,650 rpm	
Working rpm			0-1,900 rpm		
Maximum tightening torque	738 ft-lbs	850 ft-lbs	1,000 ft-lbs	1,300 ft-lbs	
Breakaway/nut-busting torque	1,100 ft-lbs	1,400 ft-lbs	1,500 ft-lbs	1,300 ft-lbs	
Sound level		112.5 dBA	95.7 dBA		
Drive size	1/2"	1/2"	1/2"	1/2"	
Spindle size			1/2"		
Interchangeable left- or right-hand operation	●		●		
Anti-vibration	●	●			
Tool weight (with battery)	7.26 lbs	7.96 lbs	7.6 lbs	7.8 lbs	
Overall tool length	9.27"	9.9"	8.1"	11.4"	
Product Features					
Battery type	Li-ion	Li-ion	Li-ion	Li-ion	
Battery voltage	20V	20V	20V	20V	
Battery pack capacity	4.0 Ah	4.0 Ah - 6.0 Ah	3.0 Ah, 5.0 Ah	4.0 Ah	
Time to full battery charge		90 min	55 min, 85 min	60 min	
Time unit lasts before recharge		Varies by application	Varies by application		
Motor type	Brushless	Brushless	Brushless	4-pole	
Motor amperage					
Adjustable torque setting? If so, how many?	3	5 (4 fwd, 1 rev)	4		
Built-in work light	●	●	●	●	
Variable speed trigger	●	●	●	●	
Length of manufacturer warranty	1 year	5 years	3 years	1.5 years	
Batteries and Accessories					
Battery and charger included	●	●	●	●	
Bare tool available	●	●	●	●	
Additional batteries available for purchase separately	●	●	●	●	
Battery compatible with other products	●	●	●	●	
Includes the following accessories:		2 batteries, charger, bag			
Other accessories available for purchase separately:				Universal charger	
Comes in a carrying case		●	●	●	
If Yes to above, blow molded case or canvas bag?		Canvas bag	Canvas bag	Blow molded case	
Application (mark all that apply)					
Small interior fasteners			●		
Body panel bolts			●		
Shroud covers			●		
Suspension bolts	●		●	●	
Tire service/lug nuts	●	●	●	●	
Brake jobs	●		●	●	
Engine	●		●	●	
Interior/exterior work			●		
Under dash			●		
Underhood	●		●	●	
Tractor/trailer repair	●		●	●	
Other	Agriculture, aircraft				
Most unique feature	3 specific fastening modes, metal gearbox, jumbo high-efficiency impact mechanism	4 forward settings, slow mode, fast mode, automatic shut-off	Powerful cordless 1/2" tool with task light and four power modes for more control and more jobs	Powerful 4 pole motor generates 1,300 ft-lbs of breakaway torque	

Puma Air		Milwaukee Tool	Mac Tools	Makita	Bosch	Hazet
Brushless Impact Wrench		M18 FUEL 1/2" High Torque Impact Wrench with Friction Ring Kit	20V MAX* 3/8" Brushless Impact Wrench	18V LXT Li-ion Sub-Compact Brushless Cordless 3/8" Square Drive Impact Wrench Kit	The Freak	Mini Cordless Impact Wrench
PTFL5041		2767-22	MCF891M1D1	XWT12RB	IDH182	9212M-1
					Bare tool	
Battery included		Battery included	Battery included	Battery included		Battery included
1,800 rpm		1,000 rpm	0-900/1,950/2,800 rpm	2,400 rpm	2,800 rpm	2,500 rpm
		0-1,700 rpm			2,800 rpm	2,500 rpm
740 ft-lbs		1,400 ft-lbs	150 ft-lbs	130 ft-lbs	1,650 ft-lbs	162.24 ft-lbs
1,100 ft-lbs		1,400 ft-lbs	275 ft-lbs		1,650 ft-lbs	200 ft-lbs
		92.1 dBA				99.6 dBA
1/2"		1/2"	3/8"	3/8"	1/2"	1/2"
		●	●	●	●	●
7.3 lbs		7.5 lbs	1.94 lbs	2.7 lbs	2.4 lbs (bare tool)	3 lbs
8.7"		8.39"	5.69"	5-5/8"	6.2"	5.35"
Li-ion		Li-ion	Li-ion	Li-ion	Li-ion	Li-ion
20V		18V	20V	18V	18V	18V
4.0 Ah		5.0 Ah	2.0 Ah, 4.0 Ah	2.0 Ah	1.5 Ah - 8.0 Ah	2.0 Ah
80 min		60 min	60 min	25 min	< 60 min	35 min
					Varies by application	Varies by application
Brushless		Brushless	Brushless	Brushless	Brushless	Brushless
						4.5A
5		4	3			4 (3 fwd, 1 rev)
●		●	●	●	●	●
●		●	●	●	●	
1 year		5 years tool, 3 years battery	1 year	3 years	3 years	2 years
●		●	●	●	With kit	●
●		●	●	●	●	●
●		●	●	●	●	●
●		●	●	●	●	●
		2 batteries, charger, case		2.0 Ah battery, charger, bag	Belt clip, four-bit set, strap	Battery, charger, bag
●		protective rubber boot, sockets		5.0 Ah battery, 4.0 Ah battery, 6.0 Ah battery, Impact GOLD 3/8" SAE socket set, Impact GOLD 3/8" metric socket set	●	2.0 Ah battery, 5.0 Ah battery
●		●		●	●	●
Blow molded case		Blow molded case		Canvas bag	Canvas bag	Canvas bag
		●	●	●	●	●
		●	●	●	●	●
		●	●	●	●	●
		●	●	●	●	●
●		●		●		●
		●	●	●	●	●
		●	●	●	●	●
		●	●	●	●	●
		●	●	●	●	●
●		●		●	●	
Five modes		The first complete replacement for pneumatic and corded impact wrenches, according to the company	BL spec brushless motor technology	Sub-compact is ideal for working in tight spaces and overhead applications	1/4" hex bit holder and 1/2" square drive on one tool	Very small head for tight working areas

IMPACT RATCHET - 12V/14V

COMPANY NAME	Matco Tools	MINI/SUB-COMPACT SIZE	ACDelco	
PRODUCT NAME	12V Cordless Infinum 3/8" Drive Ratchet Kit		Li-ion 12V Brushless 3/8" Square Ratchet Wrench	
Product model number:	MCL1238RK		ARW1210-3	
Price				
Under \$100				
\$101-250				
\$251-500	Battery included		Battery included	
\$501-1,000				
Over \$1,000				
Manufacturing Specs				
Mini/sub-compact size			●	
Maximum rpm	180 rpm		190 rpm	
Working rpm	180 rpm			
Maximum tightening torque	55 ft-lbs		65 ft-lbs	
Breakaway/nut-busting torque			65 ft-lbs	
Sound level				
Drive size	3/8"		3/8"	
Spindle size				
Interchangeable left- or right-hand operation			●	
Anti-vibration			●	
Tool weight (with battery)	3.1 lbs		3.08 lbs	
Overall tool length	13"		12.28"	
Product Features				
Battery type	Li-ion		Li-ion	
Battery voltage	12V		12V	
Battery pack capacity	2.0 Ah		2.0 Ah	
Time to full battery charge	60 min			
Time unit lasts before recharge				
Motor type	4-pole		Brushless	
Motor amperage				
Adjustable torque setting? If so, how many?				
Built-in work light	●		●	
Variable speed trigger	●		●	
Length of manufacturer warranty	2 years		1 year	
Batteries and Accessories				
Battery and charger included	●		●	
Bare tool available	●		●	
Additional batteries available for purchase separately	●		●	
Battery compatible with other products	●		●	
Includes the following accessories:	Battery, charger, bag			
Other accessories available for purchase separately:				
Comes in a carrying case?	●			
If Yes to above, blow molded case or canvas bag?	Canvas bag			
Application (mark all that apply)				
Small interior fasteners	●		●	
Body panel bolts	●		●	
Shroud covers			●	
Suspension bolts			●	
Tire service/lug nuts				
Brake jobs			●	
Engine	●		●	
Interior/exterior work	●		●	
Under dash	●		●	
Underhood	●		●	
Tractor/trailer repair			●	
Other				
Most unique feature	55 ft-lbs max torque with compact design measuring 13"; ideal combination of size and power in a 3/8" drive		Industry leading max torque on any 3/8" ratchet wrench, three anvil sizes available, according to the company	

Ingersoll Rand	Milwaukee Tool	Snap-on Tools
IQV12 Series 1/4" 12V Ratchet	M12 FUEL 3/8" Ratchet	14.4 V 1/4" Drive Ratchet
R1120	2557-22	CTR714A
Bare tool	Battery included	
Battery included		Battery included
●	●	●
260 rpm	0-200 rpm	350 rpm
0-260 rpm	0-200 rpm	0-350 rpm
30 ft-lbs	55 ft-lbs	35 ft-lbs
		46 ft-lbs
76 dBA	82.6 dBA	84.2 dBA
1/4"		1/4"
1/4"	3/8"	
●	●	●
2 lbs	2.84 lbs	2.2 lbs
11"	11.84"	10.75"
Li-ion	Li-ion	Li-ion
12V	12V	14.4V
2.0 Ah	2.0 Ah	2.0 Ah
75 min	20 min	55 min
Varies by application		Varies by application
Brushed	Brushless	Brushed
		30-35 A
●	●	●
●	●	●
3 years	5 years tool, 3 years battery	1 year
●	●	●
●	●	●
●	●	●
●	●	●
	2 batteries, charger, case	Two batteries, charger
	Rubber overmold	1/4" drive sockets
	●	
	Canvas bag	
●	●	●
●	●	●
●	●	●
●	●	
●		
●	●	
●	●	●
●	●	●
●	●	●
●	●	●
●	●	
Dependable, durable and compact, provides versatility with exceptional performance for tight spaces	First cordless to offer power and size to replace pneumatic ratchets; highest torque cordless ratchets available, according to the company	Fast 350 rpm free speed, variable speed trigger, built-in brake prevents throwing sockets and fasteners

AIR IMPACT WRENCH - 3/8"

COMPANY NAME	Ingersoll Rand	Mac Tools	Matco Tools	MINI/SUB-COMPACT SIZE	AIRCAT Pneumatic Tools	Chicago Pneumatic Tools		
PRODUCT NAME	3/8" Impact Wrench	High Performance 3/8" Drive Air Impact Wrench	3/8" Composite Impact Wrench		3/8" Composite Compact Impact	Compact 3/8" Angle Impact Wrench		
Product model number:	2115TiMAX	MPF990381	MT2138		1076-XL	CP7727		
Price								
Under \$100								
\$101-250	●				●			
\$251-500		●	●			●		
\$501-1,000								
Over \$1,000								
Manufacturing Specs								
Composite housing	●		●		●	●		
Air inlet size	1/4"	1/4"	1/4"		1/4"	1/4"		
Air regulator required			ww					
Reversible	●	●	●		●	●		
Maximum tightening torque	230 ft-lbs	310 ft-lbs	300 ft-lbs		500 ft-lbs	140 ft-lbs		
Breakaway/nut-busting torque	300 ft-lbs	700 ft-lbs	370 ft-lbs		550 ft-lbs	185 ft-lbs		
Maximum speed (rpm)	15,000 rpm	0-3,000/0-8,000/0-9,000/0-10,000 rpm	11,500 rpm		9,000 rpm	8,510 rpm		
Air utilization	4 cfm	5.9 cfm	3.5 cfm		4.25 cfm	4 cfm		
Sound level	96.6 dBA	95 dBA	93.5 dBA		85 dBA	104 dBA		
Vibration	7.5 m/2*	5.5 m/s2*			9.9 m/2*	10.3 m/2*		
Dimensions	2.2" x 6.7" x 6.0"	5.6" x 2.5" x 7.8"			4.25" x 2.4" x 6.6"	1.18"		
Total weight	2.5 lbs	3 lbs	2.4 lbs		2.5 lbs	2.5 lbs		
Overall tool length	6"	5.6"	5.4"		4.25"	9.4"		
Product Features								
Adjustable torque setting? If yes, how many?	4	4 (3 fwd, 1 rev)	3		3	4		
Built-in work light		●						
Variable speed trigger	●	●	●		●	●		
Length of manufacturer warranty	2 years	2 years	2 years		2 years	1 year		
Hose included								
Recommended supply hose	3/8"	3/8"			3/8"	3/8"		
Required cfm	Varies by application				8 cfm	4 cfm		
Max PSI	90	90		90	90			
Accessories								
Bare tool available	●	●		●	●			
Includes the following accessories:								
Other accessories available for purchase separately:	Sockets, tune-up kit, oil, boot	Boot		●				
Comes in a carrying case								
Application (Mark all that apply)								
Small interior fasteners		●	●	●	●	●		
Body panel bolts	●	●	●	●	●	●		
Shroud covers		●	●	●	●	●		
Suspension bolts		●				●		
Tire service/lug nuts	●			●	●	●		
Brake jobs	●	●	●	●	●			
Engine	●	●	●	●	●	●		
Interior/exterior work	●	●	●	●	●			
Under dash		●	●	●	●	●		
Underhood	●	●	●	●	●	●		
Tractor/trailer repair		●				●		
Other	Transmission work, general automotive							
Most unique feature	Titanium hammer case offers durability and weight reduction	Trigger activated removable and rechargeable LED lighting	Lightweight, compact power impact	AIRCAT patented grip and silencing technology combined with a reliable jumbo hammer mechanism	Compact, powerful, three positions in forward, one in reverse			

	Cornwell Quality Tools	Hazet	Michigan Pneumatic	Mighty-Seven	Monster	OEMTOOLS	Snap-on Tools	SP Air Corporation
	3/8" bluePOWER Stubby Impact Wrench	3/8" Impact Wrench	Venom	3/8" Drive Mini Impact Wrench Quiet version	3/8" Butterfly Impact	Mighty Compact 3/8" Drive Impact Wrench	Impact Wrench	Ultralight Mini Composite Impact Wrench
	CAT2138	9011M	MP-7125	NC-3611Q	MST715	24411	MG325	SP-7146XS
						●		
	●	●	●	●	●			
							●	●
						●		●
	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	●	●	●	●		●	●	●
	350 ft-lbs	340 ft-lbs	80 ft-lbs	300 ft-lbs	80 ft-lbs	320 ft-lbs	325 ft-lbs	380 ft-lbs
	550 ft-lbs	340 ft-lbs	80 ft-lbs	400 ft-lbs			450 ft-lbs	380 ft-lbs
	6,500 rpm	6,500 rpm	8,000 rpm	9,000 rpm	12,000 rpm	11,000 rpm	10,700 rpm	10,000 rpm
	3 cfm	3 cfm	2.5 cfm	4 cfm	4 cfm	4.7 cfm	2.4 cfm	4 cfm
	95 dBA	90.3 dBA		85 dBA			99.1 dBA	93.1 dBA
	7.78 m/2*	7.78 m/2*		2.8 m/2*			4.5 m/2*	5.5 m/2*
	6.75" x 2.25"	3.6" x 2.16" x 6.8"		4.3" x 6.5" x 2.5"	2"	5"	7" x 6.1" x 2.1"	5.2" x 6.5" x 2"
	3 lbs	2.73 lbs	2.5 lbs	3.3 lbs	1.1 lbs	4.15 lbs	2.8 lbs	2.1 lbs
	4.4"	4.49"	4.5"	4.3"	6"	5"	6.1"	5.2"
	3	4 (3 fwd, 1 rev)		6 (3 fwd, 3 rev)	X			4
	●			●	Y		●	
	2 years	2 years	1 year	3 years	2 years	1 year	2 years	1 year
	3/8"	0.4"	3/8"	3/8"	3/8"		3/8"	
		4.49 cfm	2.5 cfm	8 cfm	4 cfm	4.7 cfm	2.4 cfm	4 cfm
	90	91.4	90	90			90	90
	●	●	●	●				●
		Coupler plug (nominal size: 7.2)					Boot	
		Silicone protective cover	●	●			Hoses, couplers, filters, regulators	
			●					
		●	●	●	●		●	
		●	●	●	●		●	●
	●	●	●	●	●		●	
	●	●			●		●	●
							●	
	●	●	●	●	●		●	●
	●		●				●	●
	Transmission, drivetrain							
	Stubby design with jumbo hammer mechanism delivers high power to size ratio	Combination of small dimensions and power with a 3/8" drive	Streamlined design offers lightweight solution with full lever throttle	Ultra light with a compact profile, perfect for tight access applications	The only 1/4" drive Nano size butterfly impact wrench on the market, according to the company	Unique size fits into spaces that regular size impact wrenches do not, according to the company	Compact, lightweight, powerful, twin hammer, oil bath impact mechanism lubrication	Ultra light weight of 2.14 lbs

AIR IMPACT WRENCH - 1/2"

COMPANY NAME	AIRCAT Pneumatic Tools	Ingersoll Rand	Snap-on Tools	Mac Tools	Matco Tools	Michigan Pneumatic	
PRODUCT NAME	1/2" AIRCAT Vibrotherm Drive Impact Wrench	1/2" Impact Wrench	Impact Wrench	High Performance 1/2" Drive Air Impact Wrench	1/2" Impact Wrench	Venom	
Product model number:	1178-VXL	2235TiMAX	PT850	MPF990501	MT2769	MP-2144QR	
Price							
\$101-250	●					●	
\$251-500		●		●	●		
\$501-1,000			●				
Over \$1,000							
Manufacturing Specs							
Composite housing	●	●	●		●	●	
Air inlet size	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	
Air regulator required							
Reversible	●	●	●	●	●	●	
Maximum tightening torque	900 ft-lbs	900 ft-lbs	600 ft-lbs fwd, 810 ft-lbs rev	580 ft-lbs	850 ft-lbs	900 ft-lbs	
Breakaway/nut-busting torque	1,300 ft-lbs	1,350 ft-lbs	1,190 ft-lbs	1,400 ft-lbs	1,300 ft-lbs	900 ft-lbs	
Maximum speed (rpm)	7,500 rpm	8,500 rpm	9,200 rpm	0-2,200/0-4,500/0- 5,500/0-6,500 rpm	7,500 rpm	8,000 rpm	
Air utilization	8 cfm	6 cfm	4.1 cfm	6.1 cfm	4.9 cfm	6.7 cfm	
Sound level	84 dBA	98 dBA	98.1 dBA	94 dBA	99.8 dBA		
Vibration	10.2 m/s2*	9 m/s2*	8.2 m/s2*	6.4 m/s2*			
Dimensions	6.4" x 2.75" x 7.75"	2.9" x 7.2" x 7.6"	7.5" x 7.2" x 3.0"	6.4" x 3" x 8.3"			
Total weight	4.5 lbs	4.6 lbs	4.2 lbs	4.8 lbs	4.6 lbs	5 lbs	
Overall tool length	6.4"	7.6"	7.2"	6.4"	7.5"	7.75"	
Product Features							
Adjustable torque setting? If yes, how many?	3	4		●	4		
Built-in work light				●			
Variable speed trigger	●	●	●	●	●	●	
Length of manufacturer warranty	3 years	2 years	2 years	2 years	2 years	1 year	
Length of limited warranty vs. unlimited warranty	3 years		2 years	2 years	2 years	1 year	
Hose included							
Recommended supply hose	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	
Required cfm	8 cfm	Varies by application	4.1 cfm			6.7 cfm	
Max PSI	90	90	90	90	90	90	
Accessories							
Bare tool available	●	●		●		●	
Includes the following accessories:			Boot				
Other accessories available for purchase separately:	●	Sockets, tune-up kits, oil, boot	Hoses, couplers, filters, regulators	Boot		●	
Comes in a carrying case							
Application (mark all that apply)							
Small interior fasteners				●			
Body panel bolts	●			●		●	
Shroud covers	●		●	●			
Suspension bolts	●	●	●	●	●	●	
Tire service/lug nuts	●	●	●	●	●	●	
Brake jobs		●	●	●	●	●	
Engine	●	●	●	●	●	●	
Interior/exterior work	●	●		●	●	●	
Under dash				●			
Underhood	●	●	●	●	●		
Tractor/trailer repair		●	●	●	●	●	
Other		General automotive	Heavy Duty Truck, AG and construction				
Most unique feature	New patent pending impact mechanism reducing vibration by 30 percent and increasing life by 50 percent, according to the company	Titanium hammer case offers durability and weight reduction	Powerful 810 ft-lbs, forged anvil, frame and twin hammers for long life	Trigger activated removable and rechargeable LED lighting	Powerful, great weight to power ratio, according to the company	Incredible power-to- weight ratio, according to the company; durable lightweight composite housing	

MINI/SUB-COMPACT SIZE

Chicago Pneumatic Tools	Cornwell Quality Tools	Hazet	Legacy Manufacturing	Mighty-Seven	Monster	OEMTOOLS	Puma Tools	SP Air Corporation
Compact 1/2" Impact Wrench	1/2" bluePOWER Stubby Impact Wrench	1/2" Impact Wrench	Flexzilla Pro Mini Impact Wrench	1/2" Drive Mini Impact Wrench Quiet version	Monster Mini 1/2" Composite Impact Wrench	1/2" Drive Compact Air Impact Wrench	1/2" Air Impact	Ultralight Mini Composite Impact Wrench
CP7732C	CAT4112	9012M	AT8505FZ	NC-4612Q	MST7126	24418	AT5646	SP-7146EX
●	●	●	●	●	●	●	●	●
●								●
●								●
●								●
1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
●	●	●	●	●	●	●	●	●
285 ft-lbs	450 ft-lbs	500 ft-lbs	550 ft-lbs	400 ft-lbs	450 ft-lbs	900 ft-lbs	400 ft-lbs	440 ft-lbs
460 ft-lbs	600 ft-lbs	811 ft-lbs	800 ft-lbs	700 ft-lbs	600 ft-lbs		500 ft-lbs	440 ft-lbs
1,400 rpm	9,000 rpm	10,000 rpm	9,500 rpm	9,000 rpm	10,000 rpm	10,000 rpm	9,000 rpm	10,000 rpm
5.5 cfm	3 cfm	4.49 cfm	4.8 cfm	4.4 cfm	5 cfm	4 cfm	5 cfm	4 cfm
106.5 dBA	95 dBA	97.1 dBA		85 dBA			83 dBA	93.1 dBA
10.8 m/s2*	10.02 m/s2*	9.57 m/s2*		2.8 m/s2*				5.5 m/s2*
1.26"	6-3/4" x 2-1/4"	3.6" x 2.16" x 6.8"	4.4"	4.5" x 2.4" x 7.5"	3"		3.5" x 10.4" x 2.4"	5.2" x 6.5" x 2"
2.2 lbs	3 lbs	2.73 lbs	2.5 lbs	3.9 lbs	2.9 lbs	2.8 lbs	2.78 lbs	2.1 lbs
4.3"	4.4"	4.49"	4.4"	4.5"	5"	4.5"	3.46"	5.2"
4	3	4 (3 fwd, 1 rev)	3	4 (3 fwd, 1 rev)	4		6 (3 fwd, 3 rev)	4
●	●		●	●	●			
1 year	2 years	2 years	1 year	3 years	2 years	1 year	1 year	1 year
1 year			1 year			1 year		1 year
			●					
3/8"	3/8"	3/8"		3/8"	3/8"		3/8"	440
5.5 cfm		4.49 cfm	4.8 cfm	8 cfm	5 cfm		5 cfm	4 cfm
90	90	91.4	175	90	90		115	90
●	●	●	●	●				●
		Coupler plug (nominal size: 7.2)	50". Air Hose, 8 High Flow Couplers and Plugs					
		Silicone protective cover		●				
		●	●	●	●			●
		●	●	●	●			●
●	●	●	●	●	●			●
●	●	●	●	●	●			●
●	●	●	●	●	●			●
●	●	●	●	●	●			●
	●	●	●	●	●			●
	●	●	●	●	●			●
	●	●	●	●	●			●
	●	●	●	●	●			●
	Transmission, drivetrain							
Ultra lightweight, compact, powerful and durable	Stubby design with jumbo hammer mechanism delivers high power to size ratio	Combination of small dimensions and power	Features 800 ft-lbs of nut-busting break-away torque and an extremely lightweight design	Incredible power-to-weight ratio, easy access to confined work areas, according to the company	Smallest, lightest mini 1/2" on the market, highest power-to-weight ratio in the automotive service industry, according to the company	Designed with a unique compact body allowing it to fit in spaces regular impact wrenches do not	N/A	Ultra light weight of 2.14 lbs

AIR IMPACT WRENCH - 3/4"

COMPANY NAME	AIRCAT Pneumatic Tools	Cornwell Quality Tools	Ingersoll Rand	Matco Tools	Michigan Pneumatic	
PRODUCT NAME	3/4" AIRCAT Vibrotherm Drive Impact Wrench	3/4" bluePOWER Super Duty Impact Wrench	3/4" Impact Wrench	3/4" Impact Wrench	Venom	
Product model number:	1778-VXL	CAT3125	2145QIMAX	MT2234	MP-2146QR	
Price						
\$101-250	●					
\$251-500					●	
\$501-750		●	●			
\$751-1,000				●		
Over \$1,000						
Manufacturing Specs						
Composite housing	●	●	●	●	●	
Air inlet size	3/8"	3/8"	3/8"	3/8	3/8	
Air regulator required						
Reversible	●	●	●	●	●	
Maximum tightening torque	1,400 ft-lbs	1,200 ft-lbs	1,100 ft-lbs	1,200 ft-lbs	1,300 ft-lbs	
Breakaway/nut-busting torque	1,700 ft-lbs	1,800 ft-lbs	1,700 ft-lbs	1,800 ft-lbs	1,300 ft-lbs	
Maximum speed (rpm)	5,500 rpm	6,000 rpm	7,000 rpm	6,000 rpm	6,000 rpm	
Air utilization	8 cfm	6.9 cfm	8 cfm	6.9 cfm	7.3 cfm	
Sound level	95 dBA	97.3 dBA	96.3 dBA	97.3 dBA		
Vibration	14.2 m/s2*		8.7 m/s2*			
Dimensions	7.4" x 3.6" x 8.25"	8.625" x 3.125"	3.3" x 8.1" x 8.5"			
Total weight	7.4 lbs	6.9 lbs	7.4 lbs	6.8 lbs	8.2 lbs	
Overall tool length	7.4"	8"	8.5"	8"	8.6875"	
Product Features						
Adjustable torque setting? If yes, how many?	3	3	4	4		
Built-in work light						
Variable speed trigger	●	●	●	●	●	
Length of manufacturer warranty	3 years	2 years	2 years	2 years	1 year	
Length of limited warranty vs. unlimited warranty	3 years			2 years	1 year	
Hose included						
Recommended supply hose	1/2"	1/2"	1/2"		1/2"	
Required cfm	8 cfm		Varies by application		7.3 cfm	
Max PSI	90	90	90		90	
Accessories						
Bare tool available	●	●	●		●	
Includes the following accessories:						
Other accessories available for purchase separately:	●		Sockets, tune-up kits, oil, boot		●	
Comes in a carrying case						
Application (Mark all that apply)						
Small interior fasteners						
Body panel bolts	●					
Shroud covers						
Suspension bolts	●	●	●	●	●	
Tire service/lug nuts	●	●	●	●	●	
Brake jobs		●	●	●	●	
Engine	●	●	●	●	●	
Interior/exterior work			●	●		
Under dash						
Underhood	●		●	●		
Tractor/trailer repair	●	●	●	●	●	
Other			General automotive			
Most unique feature	New patent pending impact mechanism, reducing vibration by 30 percent and increasing life by 50 percent	Easy-to-use forward and reverse lever improves comfort and efficiency	This tool is lightweight and features a quiet design while maintaining durability	Lightweight impact wrench, 1,800 ft-lbs of breakaway torque, forward/reverse lever accommodates left- and right-hand users	Incredible power-to-weight ratio, according to the company; durable lightweight composite housing	

	OEMTOOLS	Puma Air	Snap-on Tools	MINI/SUB-COMPACT SIZE	Chicago Pneumatic Tools	Hazet	Mighty-Seven	SP Air Corporation
	3/4" Drive Heavy Duty Air Impact Wrench	3/4" Air Impact	Impact Wrench		3/4" Stubby Impact Wrench	3/4" Impact Wrench	3/4" Drive Composite Impact Wrench Quiet version	Composite Impact Wrench
	25810	AT5261	MG1250		CP7762	9013M	NC-6255Q	SP-7150-V8
	●	●				●	●	
			●		●			●
		●					●	●
3/8"	3/8"	3/8"	3/8"		3/8"	3/8"	1/4"	3/8"
		●						
●	●	●	●		●	●	●	●
1,300 ft-lbs	1,050 ft-lbs	1,150 ft-lbs fwd, 1,250 ft-lbs rev	1,150 ft-lbs fwd, 1,250 ft-lbs rev		670 ft-lbs	800 ft-lbs	1,100 ft-lbs	1,100 ft-lbs
		1,150 ft-lbs	1,750 ft-lbs		1,050 ft-lbs	1,394 ft-lbs	1,400 ft-lbs	1,100 ft-lbs
4,400 rpm	6,500 rpm	6,200 rpm	6,200 rpm		4,850 rpm	7,300 rpm	8,500 rpm	4,300 rpm
6.6 cfm	●	6.4 cfm	6.4 cfm		8.78 cfm	5.4 cfm		6 cfm
		98 dBA	99.8 dBA		103.8 dBA	104 dBA	85 dBA	94.9 dBA
			10.3 m/s2*		10.7 m/s2*	7.47 m/s2*	4.7 m/s2*	9 m/s2*
	8.7" x 8.7" x 3.5"	9.5" x 8.15" x 3.25"			1.65"	7.4" x 2.83" x 7.64"	8" x 3" x 8"	9.3" x 9" x 3"
14 lbs	8.16 lbs	8.1 lbs			6.38 lbs	4.63 lbs	4.5 lbs	7.9 lbs
	8.74"	8.15"			6.2"	7.4"	8"	9.3"
		5 (4 fwd, 1 rev)				4 (3 fwd, 1 rev)	4 (3 fwd, 1 rev)	4
1 year	1 year	2 years	●		1 year	2 years	3 years	1 year
1 year		2 year			1 year			1 year
		1/2"	3/8"	1/2"	0.4"	3/8"		
		16 cfm	6.4 cfm	8.78 cfm	7.4 cfm	9 cfm	6 cfm	
		115	90	90	91.4	90	90	
		●		●	●	●	●	
			Boot		Coupler plug (nominal size: 7.2)			
	●	Air hoses, couplers, filters, regulators				●		
		●	●			●		
		●	●	●	●	●	●	
			●	●		●	●	
			●		●			
		●	●	●		●		
		●	●	●	●	●	●	
			Heavy duty truck, agriculture, heavy duty equipment		SUV, trucks, agricultural and transport vehicles, industrial machines, naval constructions			
	Pin clutch mechanism and handle exhaust reduce vibration and noise output, provide high torque output		Powerful, fast motor start- up, multiple anvil lengths available	Ultra compact, powerful, twin hammer clutch	3/4" impact wrench in 1/2" housing size with enormous power, according to the company	3/4" impact wrench built in 1/2" size body; quiet version 85 dBA operating sound pressure	Convenient SAS (side and side) system offers forward/ reverse for one-handed operation	

AIR IMPACT WRENCH - 1"

COMPANY NAME	AIRCAT Pneumatic Tools	Chicago Pneumatic Tools	Cornwell Quality Tools	Hazet	Ingersoll Rand	
PRODUCT NAME	1" Super Duty Ext. Anvil Impact Wrench	1" Torque Limited Impact Wrench	1" bluePOWER Impact Wrench with 6" Extended Anvil	1" Impact Wrench With Long Spindle	1" Impact Wrench	
Product model number:	1992	CP7782TL-6	CAT6156BP	9014P-1	2850MAX	
Price						
Under \$100						
\$101-250						
\$251-500	●					
\$501-750					●	
\$751-1,000			●	●		
Over \$1,000		●				
Manufacturing Specs						
Composite housing			●		●	
Air inlet size	1/2"	1/2"	1/2"	1/2"	1/2"	
Air regulator required						
Reversible	●	●	●	●	●	
Maximum tightening torque	1,600 ft-lbs	325 ft-lbs	2,000 ft-lbs	2,000 ft-lbs	2,000 ft-lbs	
Breakaway/nut-busting torque	1,800 ft-lbs	1,920 ft-lbs		2,507 ft-lbs	2,100 ft-lbs	
Maximum speed (rpm)	5,000 rpm	5,200 rpm	6,200 rpm	5,500 rpm	5,500 rpm	
Air utilization	12 cfm	10 cfm	9 cfm	10 cfm	14 cfm	
Sound level		111 dBA	104.1 dBA	103.5 dBA	96.7 dBA	
Vibration		7.8 m/s2*	13 m/s2*	15.94 m/s2*	10.3 m/s2*	
Dimensions	23.2" x 8.5" x 7.25"	8.29"	9" x 8"	23.1" x 7.4" x 7.28"	13.1" x 4.4" x 7.9"	
Total weight	26 lbs	25.55 lbs	17.8 lbs	18.9 lbs	19.4 lbs	
Overall tool length	23.2"	20.11"	19.8"	23.1"	13.1"	
Product Features						
Adjustable torque setting? If yes, how many?	3	4	4	6 (3 fwd, 3 rev)	3	
Built-in work light						
Variable speed trigger	●	●	●		●	
Length of manufacturer warranty	2 years	1 year	2 years	2 years	2 years	
Length of limited warranty vs. unlimited warranty	2 years	1 year				
Hose included						
Recommended supply hose	1/2"	1/2"	3/4"	3/4"	3/4"	
Required cfm	12 cfm	10 cfm		10 cfm	Varies by application	
Max PSI	90	90	90	91.4	90	
Accessories						
Bare tool available	●	●	●	●	●	
Includes the following accessories:				Coupler plug (nominal size: 10)		
Other accessories available for purchase separately:					Sockets, tune-up kit, oil	
Comes in a carrying case						
Application (Mark all that apply)						
Small interior fasteners						
Body panel bolts						
Shroud covers						
Suspension bolts					●	
Tire service/lug nuts	●	●	●		●	
Brake jobs		●			●	
Engine						
Interior/exterior work						
Under dash						
Underhood						
Tractor/trailer repair	●	●	●	●	●	
Other				Truck tires	Heavy equipment, off-road vehicles	
Most unique feature	Features 8" anvil with combined friction ring and through hole, twin hammer mechanism and D handle	Torque limited, same power in reverse as the CP7782-6	Durable composite housing withstands tough environments and reduces weight	Long spindle (9.45") for optimal accessibility of wheel bolts	Provides the ultimate in power-to-weight ratio by delivering class-leading torque packaged in a lighter weight design	

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AIR RATCHET - 3/8"

COMPANY NAME	AIRCAT Pneumatic Tools	Cornwell Quality Tools	Ingersoll Rand	Matco Tools	Michigan Pneumatic	Monster	
PRODUCT NAME	3/8" Composite Twin Pawl Ratchet	3/8" Heavy Duty Air Ratchet	3/8" High Torque Ratchet	3/8" Composite Air Ratchet	Speed Ratchet	3/8" High power Ratchet	
Product model number:	802	CAT5500HD	109XPA	MT2854	MP-7131-ST	MST7108	
Price							
Under \$100	●				●		
\$101-250		●	●			●	
\$251-500				●			
Manufacturing Specs							
Composite housing	●	●		●	●		
Air inlet size	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	
Air regulator required							
Reversible	●		●	●	●		
Max tightening torque	70 ft-lbs	90 ft-lbs	76 ft-lbs	100 ft-lbs	90 ft-lbs	100 ft-lbs	
Breakaway/nut-busting torque	70 ft-lbs				90 ft-lbs		
Maximum speed (rpm)	280 rpm	190 rpm	220 rpm	200 rpm	600 rpm	600 rpm	
Air utilization	4 cfm	4 cfm	4 cfm	3.3 cfm	4 cfm	4 cfm	
Sound level	82 dBA	99 dBA	92.4 dBA	88 dBA			
Vibration	3.2 m/s2*		2.5 m/s2*				
Dimensions	10.5" x 1.7" x 2.1"		12"			3"	
Total weight	2.75 lbs	2.8 lbs	3.3 lbs	2.5 lbs	2.78 lbs	3.97 lbs	
Overall tool length	10.5"	10.8"	12"	10.2"	10.875"	10"	
Product Features							
Adjustable torque setting						●	
Built-in LED							
Variable speed trigger	●	●	●	●		●	
Length of manufacturer warranty	2 years	1 year	1 year	1 year	1 year	2 years	
Length of limited warranty v. unlimited warranty	2 years			1 year	1 year		
Hose included							
Recommended supply hose	3/8"	3/8"	3/8"			3/8"	
Accessories							
Bare tool available	●	●	●		●		
Includes the following accessories:							
Other accessories available for purchase separately:	●		Sockets, tune-up kits, oil		●		
Comes in a carrying case							
Application (Mark all that apply)							
Small interior fasteners		●		●	●		
Body panel bolts	●	●	●	●	●	●	
Shroud covers	●	●		●	●	●	
Suspension bolts		●				●	
Tire service/lug nuts							
Brake jobs	●	●			●	●	
Engine	●	●	●	●	●	●	
Interior/exterior work	●	●	●	●	●	●	
Under dash	●	●		●	●	●	
Underhood	●	●	●	●	●	●	
Tractor/trailer repair		●			●		
Other			Mufflers, general automotive				
Most unique feature	Patented AIRCAT exhaust system, durable twin pawl mechanism, ergonomically designed housing	High torque design helps to remove stubborn fasteners	360-degree adjustable directs the air flow away from the user and workspace	Powerful ratchet in lightweight composite housing	Dual hammer pin impact mechanism delivers smooth blows and high torque	Weights only 3.97 lbs	

OEMTOOLS	Puma Air	Snap-on Tools	MINI/SUB-COMPACT SIZE	Chicago Pneumatic Tools	Hazet	Legacy Manufacturing	Mighty-Seven	SP Air Corporation
3/8" Drive Super Duty Air Impact Ratchet	Impact Ratchet Wrench	Air Ratchet		3/8" Composite Air Ratchet	PI3/8" Air Ratchet	Flexzilla Pro Reaction-less Mini Air Ratchet	3/8" Drive Mini Impact Ratchet Wrench	Super Fast Mini Impact Ratchet
24416	AT5350	PTR72		CP825CT	9021P-2	AT8535FZ	NC-3920	SP-1765HD
●								
	●				●	●	●	●
		●		●				
●				●		●		
1/4"	1/4"	1/4"		1/4"	1/4"	1/4"	1/4"	1/4"
	●							
●	●	●		●	●	●	●	●
50 ft-lbs	50 ft-lbs	70 ft-lbs		26 ft-lbs	39.8 ft-lbs	45 ft-lbs	35 ft-lbs	55 ft-lbs
	55 ft-lbs			26 ft-lbs	39.8 ft-lbs	3.5 ft-lbs	37 ft-lbs	55 ft-lbs
700 rpm	400 rpm	275 rpm		280 rpm	300 rpm	700 rpm	230 rpm	700 rpm
3.1 cfm		4.5 cfm		3.2 cfm	3.64 cfm	3.5 cfm	4.6 cfm	2.3 cfm
	92 dBA	92.9 dBA		93 dBA	92 dBA		88 dBA	84.4 dBA
		5.2 m/s2*		4 m/s2*	3.9 m/s2*		3 m/s2*	2.9 m/s2*
6.5"	11.6" x 1.9" x 2.2"	11.8"		1.5" x 1.4"	5.9" x 1.55" x 2"		7" x 2.5" x 2.25"	6.9" x 1.5" x 1"
1.32 lbs	2.78 lbs	2.9 lbs		1.1 lbs	1.1 lbs	1.5 lbs	1.1 lbs	1.4 lbs
6.5"	11.61"	11.8"		6.6"	5.9"	7.5"	6.9"	6.9"
								●
		●		●			●	
1 year	1 year	2 years		1 year	2 years	1 year	3 years	1 year
1 year		2 years		1 year				1 year
						●		
	3/8"	3/8"		1/4"	0.4"		3/8"	
	●			●	●		●	●
		Boot			Coupler plug (nominal size: 7.2)	Custom Length Whip Hose with High Flow Ball Swivel, High Flow Couplers and Plugs, 2 Couplers, 2 Plugs		
	●	Air hoses, couplers, filters, regulators		Sockets, hose reel, hoses			●	
	●	●		●	●	●	●	
	●	●		●	●	●	●	●
	●	●		●		●	●	●
		●		●				●
		●				●		
	●	●			●	●		●
	●	●		●	●	●	●	●
	●	●		●	●	●	●	●
		●			●	●	●	●
						●		●
Provides three times the work efficiency of ordinary ratchets, according to the company		Withstands 158 ft-lbs manual torque; steel wear bushings reduce ratchet head wear		Lightweight, better speed control, flat forward and reverse button	Closed head avoids entry of swarf	Compact and light-weight design perfect for small workspaces, according to the company	3/8" drive anvil includes 1/4" bit holder; ideal for tight access applications	Patented single dog clutch impact mechanism provides a maximum speed of 700 rpm with a maximum torque of 55 ft-lbs

AIR RATCHET - 1/2"

COMPANY NAME	AIRCAT Pneumatic Tools	Hazet	Ingersoll Rand	
PRODUCT NAME	1/2" High Torque Ratchet	1/2" Air Ratchet	1/2" High Torque Ratchet	
Product model number:	805-HT-5	9022P-2	1099XPA	
Price				
Under \$100				
\$101-250	●	●	●	
\$251-500				
Manufacturing Specs				
Composite housing	●			
Air inlet size	1/4"	1/4"	1/4"	
Air regulator required				
Reversible	●	●	●	
Max tightening torque	130 ft-lbs	80 ft-lbs	76 ft-lbs	
Breakaway/nut-busting torque	130 ft-lbs	80 ft-lbs		
Maximum speed (rpm)	180 rpm	280 rpm	220 rpm	
Air utilization	6 cfm	4 cfm	4 cfm	
Sound level	84 dBA	99 dBA	92.4 dBA	
Vibration	6.6 m/s2*	9.1 m/s2*	2.5 m/s2*	
Dimensions	12.45" x 2.10" x 2.10"	12.25" x 1.9" x 2.17"	12"	
Total weight	3.3 lbs	2.73 lbs	3.3 lbs	
Overall tool length	12.45"	12.25"	12"	
Product Features				
Adjustable torque setting				
Built-in LED				
Variable speed trigger	●		●	
Length of manufacturer warranty	2 years	2 years	1 year	
Length of limited warranty v. unlimited warranty	2 years			
Hose included				
Recommended supply hose	3/8"	0.4"	3/8"	
Accessories				
Bare tool available	●	●	●	
Includes the following accessories:		Coupler plug (nominal size: 7.2)		
Other accessories available for purchase separately:	●		Sockets, tune-up kits, oil	
Comes in a carrying case				
Application (Mark all that apply)				
Small interior fasteners		●		
Body panel bolts		●	●	
Shroud covers	●	●		
Suspension bolts				
Tire service/lug nuts				
Brake jobs	●	●		
Engine	●	●	●	
Interior/exterior work	●	●	●	
Under dash		●		
Underhood	●	●	●	
Tractor/trailer repair				
Other			Mufflers, general automotive	
Most unique feature	AIRCAT patented Silencing technology with reliable latest ratchet head design		360-degree adjustable exhaust directs the air flow away from the user and workspace	

Michigan Pneumatic	Mighty-Seven	SP Air Corporation	MINI/SUB-COMPACT SIZE	Chicago Pneumatic Tools
Speed Ratchet	1/2" Drive Ratchet Wrench with Dual Stage Power Trigger	Heavy Duty Sealed Flat Head Ratchet		1/2" Ratchet
MP-7132-ST	NE-483	SP-7787		CP7829H
•	•			
		•		•
•				•
1/4"	1/4"	1/4"		1/4"
•	•	•		
90 ft-lbs	65 ft-lbs	80 ft-lbs		55 ft-lbs
90 ft-lbs	100 ft-lbs	80 ft-lbs		70 ft-lbs
600 rpm	250 rpm	200 rpm		225 rpm
		3.5 cfm		10.95 cfm
	85 dBA	84.5 dBA		85 dBA
	2 m/s2*	3.6 m/s2*		8.6 m/s2*
	11" x 2" x 2"	12" x 1.5" x 1"		
2.82 lbs	2.8 lbs	3.3 lbs		2.73 lbs
11"	10.9"	12"		10.7"
				•
1 year	3 years	1 year		1 year
1 year		1 year		1 year
	3/8"			
				1/2"
•	•	•		•
•	•			
				Sockets, hoses
•	•			•
•	•			•
•	•			•
•	•			•
•	•			
•	•	•		•
•	•			
•	•			•
•	•			•
•		•		
Dual hammer pin impact mechanism delivers smooth blows and high torque	Innovative dual stage power, operates at a low vibration level	Patented sealed flat ratchet mechanism		Compact, powerful, lightweight and versatile, according to the company



Milwaukee

M12 FUEL Stubby
Impact Wrenches

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Ingersoll Rand

Ingersoll Rand 2850MAX 1"
D-Handle Impact Wrench

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VehicleServicePros.com



Legacy Manufacturing

Flexzilla Pro Reactionless
Mini Air Ratchet Kit, No.
AT8535FZ

Enter 104 at "e-inquiry" on
VehicleServicePros.com



Hazet

High Performance Air
Ratchet, No. 9022-360

Enter 105 at "e-inquiry" on
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Chicago Pneumatic

3/4" Impact Wrench,
No. CP7769

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AIRCAT Pneumatic Tools

1/2" High Torque Ratchet,
No. 805-HT-5

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Mighty-Seven

3/8" Drive Mini Impact
Ratchet, No. NC-3920

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Mac Tools

1/2" Drive Aluminum
Impact Wrench, No.
MPF970501

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Makita

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Right Angle Drill

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SP Air

Air Reversible Flex Head Cut-
Off Tool, No. SP-7231R

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Brushless Impact
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Drive High Performance
Impact Driver Kit, No.
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Li-Ion 20V Brushless 1/2"
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Cornwell

bluePOWER 3/8"
Sealed Head Ratchet,
No. CAT7500BP

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Michigan Pneumatic Tool

1/2" Stubby Impact Wrench,
No. MP-7775

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Snap-on Tools

14.4V Right Angle
Cordless Screwdriver,
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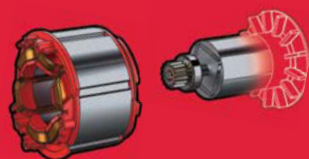
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