



IQ^V Series™ Cordless Tools

**Cordless convenience.
Uncompromising power.**



REAL TOOLS FOR REAL WORK.™

Cordless Convenience. Uncompromising Power.

The Ingersoll Rand IQ^V Series™ tools offer versatile performance, cordless convenience and rugged durability in compact packages with class-leading ergonomics—key benefits in the automotive services and MRO markets.

Accessibility:

The compact, cordless design of every IQ^V Series™ tool makes accessing tight spaces easier.

Comfort:

Lightweight design and small handles help minimize fatigue, making tools more ergonomic and comfortable to hold.

Durability:

Chemical- and impact-resistant housings withstand tough environments and repeated drops, while protecting interior components.



General
automotive repair



Collision
repair



Heavy equipment
repair



Facilities
maintenance



Light
assembly



General
industrial



C1101 12V Reciprocating Saw



R3130 20V Ratchet



W1110 12V Quick Change Impact Wrench

Choose Your Power.

The IQ^{V12} Series™ of 12-volt tools combine lighter weight and smaller sizes with ergonomic design to make accessing difficult areas easier and to minimize operator fatigue. The Ingersoll Rand IQ^{V20} Series™ of 20-volt tools deliver hard-hitting, long-lasting power, with the uncompromising ability to stand up to the all day, every day demands of professionals. IQ^V Series™ tools **Do the Job, Do it Fast, Do it Every Time.**

Performance: The BL2022 5.0 Ah delivers **68% longer run time** than its predecessor at the same size and weight.

High-power, extended-life 20-volt lithium-ion battery delivers high-charge capacity and low internal impedance for maximum power delivery and exceptional runtime.



Durability: The intelligent Battery Management System allows the battery to communicate with the tool and charger to prevent over loading, over charging and over discharging for longer tool and battery life.



Performance: The BL2012 2.5 Ah delivers **100% longer run time** than its predecessor at the same size and weight.



Performance: The BL1203 battery provides 2.0 Ah of 12-volt power, intelligently managed by the IQ^{V12} Series™ system for maximum tool runtime.



Compatibility: Charge any of your IQ^{V12} and IQ^{V20} Series™ batteries on the same universal charger.

Productivity: An LED Fuel Gauge and audible alarm will let you know when your batteries are fully charged and ready to get back to work.

Versatility : The USB charge port on the side means you don't have to fight for an outlet with your tablet or smart phone. Let us take care of the clutter; you take care of what's next.

Ingersoll Rand's BC1121 lithium-ion universal charger gets all of the batteries in our IQ^{V12} and IQ^{V20} Series™* lineup charged and ready to go whenever you are. Whether it's our 20V or 12V batteries, this innovative, multi-use battery charger will make it easier and faster to have a freshly charged battery to get your work done now, not later.

*For use with any of our IQ^{V12} and IQ^{V20} Lithium-Ion Batteries, BL2022, BL2010, BL2012, BL2005 and BL1203.

IQ^{V12} Series™ Drill/Driver

D1130 3/8"

15-position clutch
maximizes fastening control

Bright white LED
casts light on the work piece

Patent-pending soft-mount system reduces vibration for extended motor and switch life

2.0 Ah Li-Ion battery with fuel gauge for battery charge visibility, so you can better prepare to get more work done

Impact- and chemical-resistant housing protects against repeated 6-foot drops onto concrete and exposure to shop fluids

Compact size is just 7.48" from tip to tail for outstanding accessibility and versatility

3-point rubber pads protect tool and work surfaces

Ergonomically designed small-handle grip helps reduce operator fatigue during extended use

Ideal for:



General automotive repair



Collision repair



Facilities maintenance



IQ^{V12} Series™ Drill/Driver

Model	Battery	Voltage DC	Drive Size, Type	No-Load Speed rpm		MAX Torque in-lb (Nm)	Tool & Battery	
				High	Low		Weight lb (kg)	Length in (mm)
D1130	BL1203	12	3/8", Chuck	0-1,600	0-400	205 (23)	2.43 (1.1)	7.48 (190)



D1130-K2

Available in Kits

Model	Description
D1130-K2	3/8" Drive Drill/Driver, Charger & 2 Li-ion Batteries

IQ^{V20} Series™ Drill/Driver

D5140 1/2"



Ideal for:



*Requires 3.0 Ah battery or higher.

IQ^{V20} Series™ Drill/Driver

Model	Battery	Voltage DC	Drive Size, Type	No-Load Speed rpm		MAX Stall Torque in-lbs (Nm)	Tool & Battery Weight lb (kg)	Length in (mm)
				High	Low			
D5140	BL2010/BL2022	20	1/2", Chuck	0-500	0-1,900	700 (80)	5.4 (2.45)	9.25 (235)



Available in Kits

Model	Description
D5140-K1	1/2" Drill/Driver, Charger, 1 BL2010 Li-ion Battery & Case
D5140-K2	1/2" Drill/Driver, Charger, 2 BL2010 Li-ion Batteries & Case

DRILLS



STRAIGHT HANDLE

Model	Chuck Capacity mm	Motor Power (H.P.)	Free Speed rpm	Overall Length mm	Weight kg	Average Air Cons. cfm*
1S30MF4	6	0.25	3000	215	0.5	3.5
2LD-2500	6	0.33	2500	170	0.9	5.0
2LD-3800	6	0.33	3800	170	0.9	5.0
251LD-2000	10	0.55	2000	195	1.1	6.0
251LD-3000	10	0.55	3000	195	1.1	6.0
2LD-1000	10	0.33	1000	205	1.2	5.0



RIGHT ANGLE TYPE

Model	Chuck Capacity mm	Motor Power (H.P.)	Free Speed rpm	Overall Length mm	Weight kg	Average Air Cons. cfm*
ILJ1A1	6	0.25	3700	221	0.5	3.5
ILL1A1	6	0.25	2700	234	0.5	3.5
IR7804R	10	0.50	1200	213	1.2	4.0
IR7807R	10	0.30	1800	206	1.1	4.0



PISTOL TYPE

Model	Chuck Capacity mm	Motor Power (H.P.)	Free Speed rpm	Overall Length mm	Weight kg	Average Air Cons. cfm*
IP38ST4	6	0.25	3800	168	0.6	4.0
1AL1	6	0.25	2800	168	0.6	4.0
1P09ST4	6	0.25	900	181	0.7	4.0
1P06ST4	6	0.25	600	181	0.7	4.0
2PD-2500	6	0.33	2500	160	1.0	5.0
2PD-3800	6	0.33	3800	160	1.0	5.0
2PD-15000	6	0.33	15000	175	1.0	5.0
IR7802A	10	0.50	2000	198	1.09	4.0
IR7802AKC	10	0.50	2000	163	1.13	4.0
251PD-2000	10	0.55	2000	185	1.2	6.0
251PD-3000	10	0.55	3000	185	1.2	6.0
IR7803A	13	0.50	500	229	1.4	4.0
3P-800	13	0.86	800	240	2.3	9.0

* 30% of air consumption at full load. # Reversible Model

Collets for model 2RL(C) : Available from 3.2 mm to 6.3 mm in steps of 0.1 mm

Standard collet : 6 mm

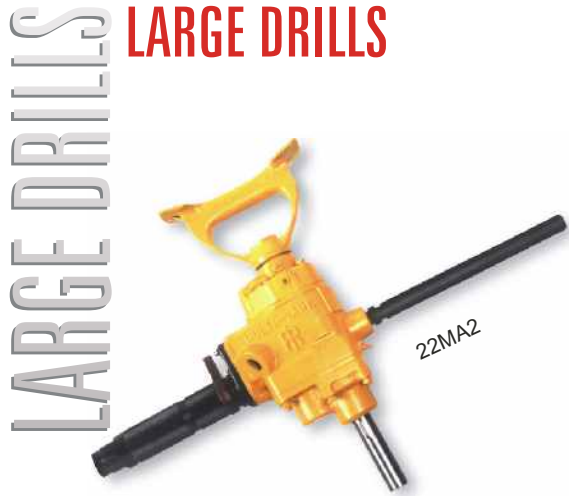
Horse Power at approximately 50% of free speed.

Straight drills also available without lever as 2LDX and 251LDX models.

78 series are also available in reversible model

Ingersoll Rand Wadco

LARGE DRILLS



Model	Free Speed rpm	Capacity in steel Drilling mm	Reaming mm	Weight kg	Height over spindle mm	Side to Center Distance mm	CFM
22JA1	1025	14	10	6.80	416	36	55
22KA1	725	14	11	6.92	448	36	55
22MA2	350	22	16	6.46	473	36	55
22NA1	280	22	16	7.48	517	36	55
33SJA	450	25	24	11.7	355	47	85
33SKA	300	32	25	11.7	355	47	85
33SMA	185	32	32	14.1	427	49	85
44SMA	155	51	51	19.8	463	59	102
551SMA	120	76	64	31.3	556	75	160
551SOA	77	Heavy	Heavy	31.5	556	75	160

Series 22 Drills have 3/8" NPT air inlet, 1/2" (13 mm) size hose recommended.
Series 33S and 44 Drills 1/2" NPT inlet, 3/4" (19 mm) size hose recommended.
Series 551 Drills have 1" NPT air inlet; 1" (25mm) size hose recommended.

IMPACT WRENCHES



Model	Drive Description	Handle	Free Speed RPM	Maximum Torque Nm	Recomm. Torque Range Nm	Weight less Socket Kg	Size Hose Recomm. Mm	CFM
211/WI	3/8" Square	S	10000	203	27-170	1.1	10	2.5
212/WI	3/8" Square	P	10000	244	27-203	1.3	10	2.5
IR2115PTi	3/8" Square	P	15000	339	34-312	1.1	10	4.0
231C	1/2" Square	P	8000	610	34-407	2.6	10	4.2
IR2135PTi	1/2" Square	P	9500	848	68-814	1.6	10	5.0
2141P	3/4" Square	P	7250	1492	271-1220	3.2	13	31
2925B2Ti	1" Square	S	6500	2170	475-1904	6.4	13	60
2925P3Ti	1" Square	P	5200	1972	476-1496	5.5	13	60
2934B9	1" Sq. at 90 Deg.	S	5300	1624	678-1355	16.2	19	47
3955B2Ti	1 1/2" Square	S	2750	6780	2170-5288	15.7	19	80
5980A1	1 1/2" Square	Lever	830	13560	3119-7460	39.9	19	138
588A1	2 1/2" Square	Lever	355	67,800	16,270-33,900	97.5	25	155
599A1	3 1/2" Square	Lever	295	108,500	32,250-57,000	272.0	38	375



DB100N-S (L=400[mm])



QL 100N-MH

Please contact IR Wadco for further details on Torque Wrenches

CHIPPING HAMMERS

CHIPPING HAMMERS



W3A2



K2LA2SA



172LNA1



180PG

SAND RAMMERS

SAND RAMMERS



130A1M

Model	Weight Less Chisel kg.	Length mm.	Position Stroke mm.	Bore mm.	Blows per Minute	Hose Connector Pipe Tap (in)	Size Hose Recomm. mm.	CFM
"W" Series Heavy Duty Chippers with 0.580" Hex Nozzle - to use Hex Shapk Round Collared Accessories								
W1A1	6.69	403	25	28	2500	3/8	13	28
W2A1	7.03	416	51	28	2300	3/8	13	28
W3A1	7.54	464	76	28	1725	3/8	13	29
W4A1	7.94	489	102	28	1480	3/8	13	29
With 0.680" Round Nozzle - to use Round Collared Accessories								
W1A2	6.69	403	25	28	2500	3/8	13	28
W2A2	7.03	416	51	28	2300	3/8	13	28
W3A2	7.54	464	76	28	1725	3/8	13	29
W4A2	7.94	489	102	28	1480	3/8	13	29
With 0.580" Hex Nozzle - for use with Hex Shank Oval Collar Chisels								
K2LA1	2.72	276	44	22	3600	1/4	13	18
K2LA1SA	3.63	305	44	22	3600	1/4	13	18
With 0.680" Round Nozzle - to use Round Shank Oval Collar Chisels								
K2LA2	2.72	276	44	22	3600	1/4	13	18
K2LA2SA	3.63	305	44	22	3600	1/4	13	18

SCALERS/NEEDLE SCALERS

Model	Weight Less Chisel Kg	Length mm	Piston Stroke mm	Bore mm	Blows/min	Hose Size Connector in	Hose Recomm. mm	CFM
SCALERS								
172L*	1.69	194	14	24	5500	1/4	8	12
182L*	1.84	229	27	24	4000	1/4	8	13
NEEDLE SCALERS								
172LNA1	2.38	349	14	24	5500	1/4	8	12
182LNA1	2.61	381	27	24	4000	1/4	8	13
PISTOL GRIP SCALERS								
170PG	3.0	314	36	24	3000	1/4	8	5.5
180PG	4.0	343	39	29	2200	1/4	8	8
170PG-CS#	2.5	315	36	24	3000	1/4	8	5.5
180PG-CS#	3.0	315	39	29	2200	1/4	8	8

* Throttle is lever type

1/2" Square shank is standard on both units (5/8 hex is optional for the 180 PG-CS)

For Needle Scalers kit, please order 182K1 comprising 182L scaler, set of 19 needles (5" & 7" long), one (angle, straight, flat) chisel and vinyl carrying case.

Model	Type	Weight w/Butt Kg	Barrel Bore mm	Piston Stroke mm	Butt Diameter mm	CFM
130A1M	Bench	5.24	25	63	—	14
241A1M	Floor	12.2	33	102	—	29
341A1M	—	15.8	41	102	146	29
441 A2	—	21.4	51	102	146	36

Ingersoll Rand Wadco

PAVEMENT BREAKERS

PAVEMENT BREAKERS

IR breakers have 30% less parts and wear items than conventional breakers.



Competitive brand breaker



Ingersoll-Rand 60 and 90 lb Breaker

Advantages, Inside and Out:

State-of-the-art composite materials are used to eliminate rust and to ensure consistent performance of valve and throttle.

Internal lubricator:

For continuous tool protection.

Drop-in valve cartridge:

Simplifies maintenance and reduces overall operating cost.

Power-Strok™ piston cycle:

Transfers blow energy directly to the tool improving productivity

One-piece breaker housing:

Eliminates the need for side rods and springs. Fewer parts mean lower operating cost.

Four-bolt backhead:

Contoured to fit the operator's leg, and is easily removed for routine maintenance.

Ergonomically designed:

Handles, grips, throttle lever, and breaker housing provide maximum operator comfort and productivity.

Unique metallurgy:

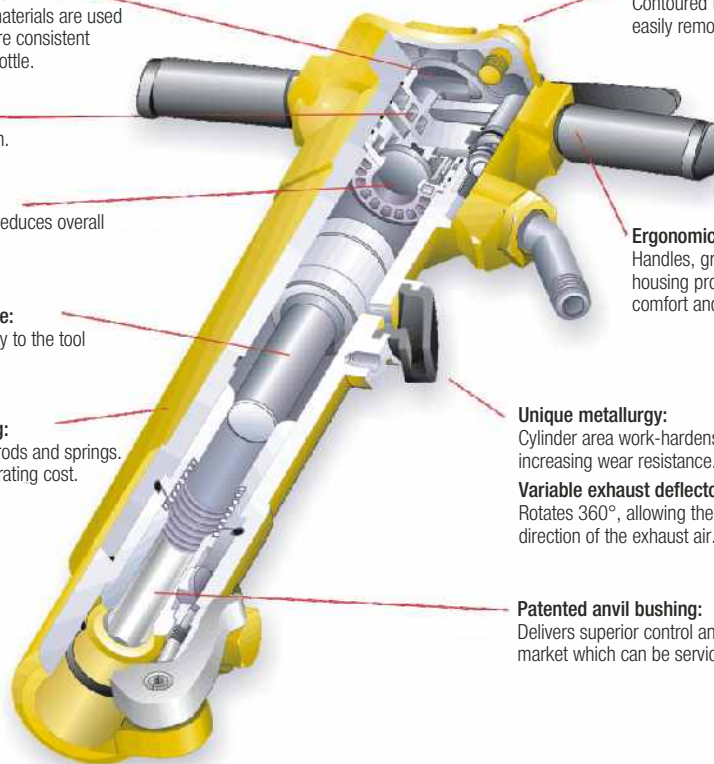
Cylinder area work-hardens as the tool is used, increasing wear resistance.

Variable exhaust deflector:

Rotates 360°, allowing the operator to choose the direction of the exhaust air.

Patented anvil bushing:

Delivers superior control and is the only unit on the market which can be serviced without a press!



Model*	Chuck size Hex w/Collar in.	Weight w/o Accessory kg	Length w/o Accessory mm	Piston Bore mm	Piston Stroke mm	Blows per Minute	Air Connection in.	CFM
MX60AF	1 1/8 x 6	31.4	686	52.3	146	1250	3/4 NPT	75
MX60BF	1 1/4 x 6	31.4	686	52.3	146	1250	3/4 NPT	75
MX90AF	1 1/8 x 6	39.0	686	66.5	146	1250	3/4 NPT	89
MX90BF	1 1/4 x 6	39.0	686	66.5	146	1250	3/4 NPT	89

Air inlet: 3/4" NPT.

Size Hose Recommended: 3/4" (for hose lengths exceeding 50', use larger dia. hose).

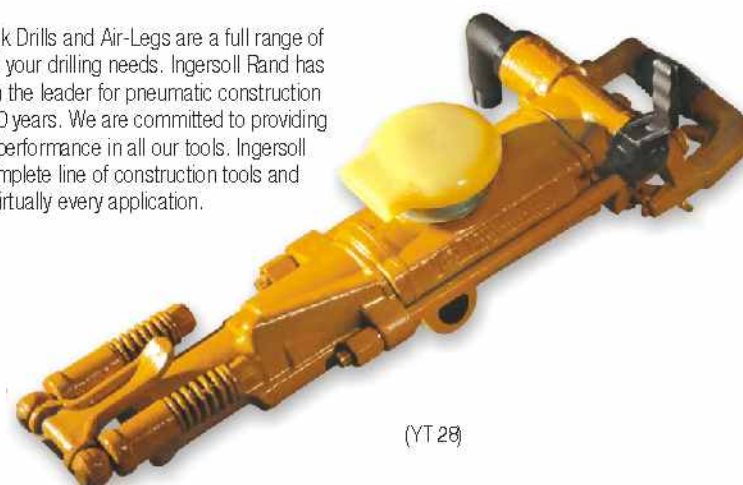
* Vibration Reduced Flex-Handled Models

Models shown above are a representative selection of our extensive range. Please contact IR Wadco for details on additional models.

Performance figures are at 90 psi (620 kPa) air pressure

ROCK DRILL

The Y Series Rock Drills and Air-Legs are a full range of products to meet your drilling needs. Ingersoll Rand has consistently been the leader for pneumatic construction tools for over 100 years. We are committed to providing high quality and performance in all our tools. Ingersoll Rand offers a complete line of construction tools and accessories for virtually every application.



Adjustable Throttle



Directional Exhaust



Heavy Duty Housing



Latch Retainer

Part / Model Number*	Shank Size Hex w/Collar mm	Weight w/o Accessories kg	Length w/o Accessories mm	Blows per Minute	Air Intel Size mm	Water Intel Size mm	Max Bit Diameter mm	Max Hole Depth m	Piston Stroke mm	Bore Size mm	Air Consumption L/s
Y 18	22 x 108	18	550	1800	25	13	42	2	45	58	25
YT 24	22 x 108	24	678	1860	25	13	42	5	70	70	66
YT 28	22 x 108	26	661	2160	25	13	42	5	60	80	81

* All above models comes with Air-Leg as an option to enable drilling horizontally and on an incline, for details please see below table. YT24 can be provided with foot rest-model to read as Y24TF. However Air-leg cannot be provided with Y24TF.



Air-Leg's made from aluminium alloy, is lightweight and easy to use. The pressure regulating valve allows the leg to conveniently extended or retracted as needed.



Part/Model Number	Weight kg	Length mm (in.)	Inner Extension Length mm	For Use With:
FT140C	13	1650	1250	Y18
FT140B	15.6	1650	1250	YT24
FT160A	17	1668	1338	YT23, YT28

Air Drills

7804XP

- 6.5 mm (1/4 in)
- 0.12 kW (0.17 HP)
- 1,600 rpm
- Only 0.6 kg and 180 mm
- Composite housing



- 7803A** – Standard chuck
- 7803AKC** – Keyless chuck
- 7803RA** – Standard chuck, reversible
- 7803RAKC** – Keyless chuck, reversible

- 13 mm (1/2 in) chuck
- 0.37 kW (0.50 HP) – 500 rpm



7807R

- 10 mm (3/8 in) standard chuck
- 0.25 kW (0.33 HP) – 2,000 rpm



LA410

- 10 mm (3/8 in) standard chuck
- 0.25 kW (0.33 HP) – 4,500 rpm



Specifications at 6.2 bar (90 psi)

	CCN	mm	Nm	kW	rpm	kg	mm	NPTF	mm	L/s	L/s	dB(A)
Air Drills												
7803A	80113632	13	28	0.37	500	1.63	195	1/4"	10	1.9	12.7	83.0
7803AKC	10563724	13	28	0.37	500	1.63	200	1/4"	10	1.9	12.7	83.0
7803RA	80113673	13	28	0.37	500	1.64	195	1/4"	10	1.9	12.7	83.0
7803RAKC	10563732	13	28	0.37	500	1.64	200	1/4"	10	1.9	12.7	83.0
7807R	–	10	5	0.25	1,800	1.07	206	1/4"	10	1.9	8.1	89.2
LA410	01328616	10	2	0.25	4,500	0.91	228	1/4"	10	1.4	12.8	84.9
7804XP	16599433	6.5	3	0.12	1,600	0.80	180	1/4"	10	0.9	8.3	83.6

Tyre Buffers

327LS

- 0.38 kW (0.50 HP)
- 3,000 rpm
- Only 0.50 kg



327-EU

- 10 mm (3/8 in) standard chuck
- 0.38 kW (0.50 HP)
- Only 0.73 kg



22 000 rpm

Specifications at 6.2 bar (90 psi)

	CCN	Collet	kW	rpm	kg	Length mm	NPTF	Min. hose diameter mm	L/s	L/s max	dB(A)
Air Tyre Buffers											
327LS	01371699	7/16"Ø	0.38	3,000	0.50	216	1/4"	10	6.6	12.6	77.4 ⁽¹⁾
327-EU	01343771	10 mm	0.38	22,000	0.73	224	1/4"	10	7.1	12.6	87.9

(1) Piped-away exhaust system.

Air Hammers



118MAX – Round shank

118MAXH – Hexagonal shank

- Stroke: 89 mm (3.5 in)
- 2,500 blows per minute
- Contains: quick-change retainer

122MAX – Round shank

122MAXH – Hexagonal shank

- Stroke: 67 mm (3.5 in)
- 3,500 blows per minute
- Contains: quick-change retainer



118MAXK or **122MAXK** – Round shank

118MAXHK or **122MAXHK** – Hexagonal shank

- Contains: hammer, quick change retainer and 5 chisels.



121/Q-EU – Round shank

121/QH-EU – Hexagonal shank

- Stroke: 58 mm (2.3 in)
- 3,000 blows per minute



116-EU – Round shank

116H-EU – Hexagonal shank

- Stroke: 67 mm (2.6 in)
- 3,500 blows per minute
- Power regulator

LA426-EU – Round shank

LA427-EU – Hexagonal shank

- Stroke: 67 mm (2.6 in)
- 3,500 blows per minute
- Power regulator
- Contains: 116-EU or 116H-EU and 6 chisels

