QX Series

Cordless Precision Screwdriver

Ingersoll Rand

Next-Generation Productivity

Building on the Ingersoll Rand legacy for unmatched quality and durability, the innovative QX Series cordless precision screwdriver elevates tool performance to new heights. Its advanced feature set is engineered to meet your needs, now and in the future—at a price you can afford today. It will quickly become the most valuable tool on your assembly line.

Not Just Torque Control...*Total* Control

Control

- Multi-function display module and password protected keypad offer quick setup and visual feedback—*RIGHT ON THE TOOL*
- Eight user-programmable torque/angle/speed configurations allow one tool to do the job of up to eight, reducing tool costs and workspace clutter
- Closed-loop transducer control ensures quick assembly, precise torque and accurate, traceable results

Comfort

- Compact, cordless assembly tool gives you the freedom to work without constraints
- Lightweight, low-reaction, ergonomically balanced design maximizes operator comfort
- Safe and clean operation – no cords, air hoses or brush dust

Communication

- Wireless communication option delivers process control with I/O, automatic configuration switching and real-time data archiving for up to 10 tools via Process Communication Module (PCM)
- Plant-wide networking manages both process control inputs and feedback data using Ethernet, Fieldbus or I/O, complete with data archiving

QX SERIES

Inspired Technology

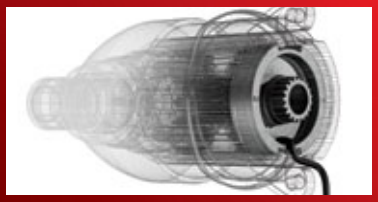
At Ingersoll Rand, our design team started with a fresh vision…to engineer a new class of advanced, high-tech cordless fastening tools that deliver closed-loop, multi-configuration control and precision—at an affordable price.

The Building Blocks of Ingenious Engineering

User-Friendly Display Module

- Displays results and accepts programming inputs
- Up to eight user-programmable fastening configurations
- Stores cycle data for up to 1,200 run downs

Patented Transducer



- Precisely senses torque to manage the fastening cycle
- Ultimate process control
- Advanced strategies like prevailing torque and angle control with torque monitoring

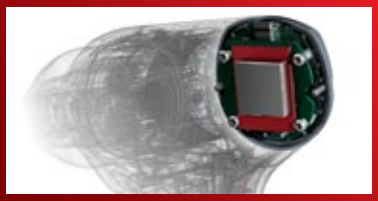
Powerful Digital Signal Processor

- Accurately controls motor for precision fastening
- Monitors torque, angle and motor current, and communicates end of run data
- Eliminates need for costly external controller

Advanced Power Board

- Controls DC motor to drive tool through user-programmed torque, angle and speed profiles
- Modulates power from lithium-ion battery to optimize performance

Intelligent Radio Board Option



- Transmits end-of-run data wirelessly to the Process Communication Module (PCM)
- PCM transmits data to database or assembly line control system via Ethernet, Fieldbus or I/O
- Receives tool settings and configurations

Durable DC Brushless Motor

- Drives QX Series precision power train
- No brushes to wear out or leave carbon residue
- Efficient rare earth magnet motor is designed for over a million cycles

QX SERIES

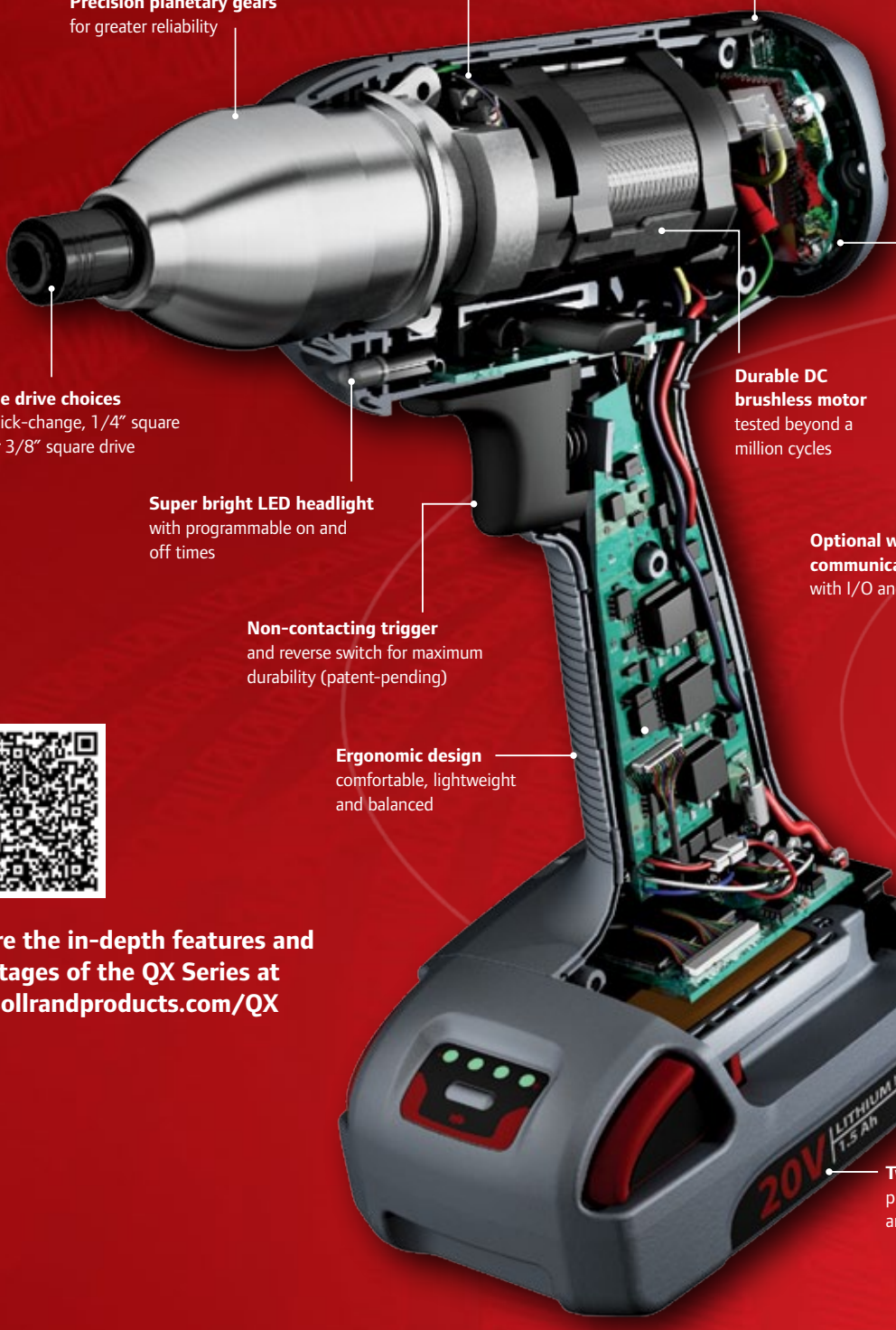
Get a Grip on Ultimate Value

Patented transducer control provides traceable results

USB port for convenient programming and data transfer

High strength, impact resistant lens guards against damage

Precision planetary gears for greater reliability



Backlit display offers quick set-up and remarkable visual feedback

Durable DC brushless motor tested beyond a million cycles

Multiple drive choices 1/4″ quick-change, 1/4″ square drive, or 3/8″ square drive

Optional wireless communications for process control with I/O and data collections

Super bright LED headlight with programmable on and off times

Non-contacting trigger and reverse switch for maximum durability (patent-pending)

Ergonomic design comfortable, lightweight and balanced

Two 20V battery options provide maximum runtime and portability

Explore the in-depth features and advantages of the QX Series at ingersollrandproducts.com/QX

For Plant-Wide Productivity... Get Connected

Ingersoll Rand doesn't just give you unprecedented technology. We give you total control over that technology…control that translates to maximum productivity.

Real-Time Monitoring

Data Archiving

Process Control

Ingersoll Rand

Configured For Versatility

Maximize your productivity by tailoring the QX Series to exactly meet your assembly line requirements.

QX Series Cordless Precision Screwdriver

Model	in-lbs (Nm)		rpm	lbs (kg)*		in (mm)		in (mm)		in	v	Communication
QX SERIES												
QXX2PT04PQ4	7 - 35	(0.8 - 4)	1,500	2.00	0.91	8.48	215.4	0.8 - 1.0	20.3 - 26.0	1/4"	20V Li-ion	Wireless Enabled
QXX2PT04PS4	7 - 35	(0.8 - 4)	1,500	2.00	0.91	8.20	208.3	0.8 - 1.0	20.3 - 26.0	1/4"	20V Li-ion	Wireless Enabled
QXX2PT04PS6	7 - 35	(0.8 - 4)	1,500	2.00	0.91	8.35	212.0	0.8 - 1.0	20.3 - 26.0	3/8"	20V Li-ion	Wireless Enabled
QXX2PT08PQ4	14 - 70	(1.6 - 8)	1,150	2.00	0.91	8.48	215.4	0.8 - 1.0	20.3 - 26.0	1/4"	20V Li-ion	Wireless Enabled
QXX2PT08PS4	14 - 70	(1.6 - 8)	1,150	2.00	0.91	8.20	208.3	0.8 - 1.0	20.3 - 26.0	1/4"	20V Li-ion	Wireless Enabled
QXX2PT08PS6	14 - 70	(1.6 - 8)	1,150	2.00	0.91	8.35	212.0	0.8 - 1.0	20.3 - 26.0	3/8"	20V Li-ion	Wireless Enabled
QXX2PT12PQ4	21 - 106	(2.4 - 12)	750	2.00	0.91	8.48	215.4	0.8 - 1.0	20.3 - 26.0	1/4"	20V Li-ion	Wireless Enabled
QXX2PT12PS4	21 - 106	(2.4 - 12)	750	2.00	0.91	8.20	208.3	0.8 - 1.0	20.3 - 26.0	1/4"	20V Li-ion	Wireless Enabled
QXX2PT12PS6	21 - 106	(2.4 - 12)	750	2.00	0.91	8.35	212.0	0.8 - 1.0	20.3 - 26.0	3/8"	20V Li-ion	Wireless Enabled
QXC2PT04PQ4	7 - 35	(0.8 - 4)	1,500	2.00	0.91	8.48	215.4	0.8 - 1.0	20.3 - 26.0	1/4"	20V Li-ion	Via USB Cable
QXC2PT04PS4	7 - 35	(0.8 - 4)	1,500	2.00	0.91	8.20	208.3	0.8 - 1.0	20.3 - 26.0	1/4"	20V Li-ion	Via USB Cable
QXC2PT04PS6	7 - 35	(0.8 - 4)	1,500	2.00	0.91	8.35	212.0	0.8 - 1.0	20.3 - 26.0	3/8"	20V Li-ion	Via USB Cable
QXC2PT08PQ4	14 - 70	(1.6 - 8)	1,150	2.00	0.91	8.48	215.4	0.8 - 1.0	20.3 - 26.0	1/4"	20V Li-ion	Via USB Cable
QXC2PT08PS4	14 - 70	(1.6 - 8)	1,150	2.00	0.91	8.20	208.3	0.8 - 1.0	20.3 - 26.0	1/4"	20V Li-ion	Via USB Cable
QXC2PT08PS6	14 - 70	(1.6 - 8)	1,150	2.00	0.91	8.35	212.0	0.8 - 1.0	20.3 - 26.0	3/8"	20V Li-ion	Via USB Cable
QXC2PT12PQ4	21 - 106	(2.4 - 12)	750	2.00	0.91	8.48	215.4	0.8 - 1.0	20.3 - 26.0	1/4"	20V Li-ion	Via USB Cable
QXC2PT12PS4	21 - 106	(2.4 - 12)	750	2.00	0.91	8.20	208.3	0.8 - 1.0	20.3 - 26.0	1/4"	20V Li-ion	Via USB Cable
QXC2PT12PS6	21 - 106	(2.4 - 12)	750	2.00	0.91	8.35	212.0	0.8 - 1.0	20.3 - 26.0	3/8"	20V Li-ion	Via USB Cable

* Weight without battery, battery sold separately

Batteries

IQ^{V20} *Series*

Advanced Lithium-Ion Technology

IQ^{V20} *Series* 20V Battery Charger **BC1120**

IQ^{V20} *Series* 20V, 3.0Ahr Lithium-Ion Battery Pack **BL2010**

IQ^{V20} *Series* 20V, 1.5Ahr Lithium-Ion Battery Pack **BL2005**

Each Process Communication Module provides wireless data transmission for up to 10 tools or enables tool integration into plant process control systems.

QX Series Process Communication Module (PCM)

Power Cord	BC10-CORD-US	IC-PCM-1-US	IC-PCM-2-US
Tool Connections	Wireless tool connections	10	1
Software	ICS Connect software	•	•
Power Supply	120V AC input, 5V DC output	•	•
Communication	Ethernet to ICS	•	•
Fieldbus Options	Ethernet/IP, DeviceNet, Interbus-S, Profibus, Modbus-TCP		•
Protocols	Open Protocol, Ethernet EOR, Serial EOR		•
Printers/Devices	Serial RS232, bar code, label printing		•
I/O	8 inputs/8 outputs, with behavior assignable through ICS software, operates at 24V DC		•
I/O Power Supply	120V AC input, 24V DC output		•
Indicators	Power ON, System Ready, Wireless Activity, Ethernet Activity	•	•
Ambient Operating Conditions	0-50°C, 20/90% non-condensing humidity	•	•
Enclosure	IP52 mounted in upright vertical position	•	•
System Weight	3.0 lb (1.4 kg)	•	•
Overall Dimensions	11.5 in x 4.1 in x 8.3 in 291 mm x 103 mm x 210 mm	•	•

Process Communication Module
IC-PCM-2-US

Accessories

Boot
VP1-Boot

Bit Selector Tray
IC-BIT-8

Socket Selector Tray
IC-Socket-8

Communication Kit
84737-Comm-Kit

Suspension Bale
VP1-365

Auxiliary Handle
VP1-A48

Selector Tray Cables
IC-19PIN-5M
IC-19PIN-10M

Torque Tester
EXTT-30

Spring Balancer
BMDS-2

Socket Kit
SK3H8

Ingersoll Rand (NYSE:IR) advances the quality of life by creating and sustaining safe, comfortable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Schlage®, Thermo King® and Trane® —work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; secure homes and commercial properties; and increase industrial productivity and efficiency. Ingersoll Rand products range from complete compressed air systems, tools and material and fluid handling systems. The diverse and innovative products, services and solutions enhance our customers' energy efficiency, productivity and operations. Ingersoll Rand is a $14 billion global business committed to a world of sustainable progress and enduring results. For more information, visit ingersollrand.com or ingersollrandproducts.com.

(800) 866-5457 www.ingersollrandproducts.com

Distributed by:

We are committed to using environmentally conscious print practices.

©2012 Ingersoll Rand IRITS-0812-043