

# QRS 3-20M

Oil-injected Screw Compressors - 3-20 hp



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# QRS 3-20M OIL-INJECTED SCREW COMPRESSORS

The CP QRS 3-20M is the ultimate workshop compressor: powerful, easy to use and always reliable. Thanks to its rotary screw technology, you get more air while enjoying lower energy costs. Better yet, you can use it all day long without cool-down periods, and you can tailor the QRS to your specifications and preferences. We have a 3-20 HP range, both base and tank-mounted models, and a range of options to custom-build your QRS.



## EASY TO USE

- Intuitive controller (optional)
- Removable panel for easy service.



## MORE AIR, LOWER ENERGY COSTS

- Get **15% more air** using **12% less energy** compared to its predecessor.
- Enjoy continuous use without cool-down periods.



## AN ALL-IN-ONE SOLUTION

The QRS is a complete air system in one compact unit. Even options such as an air dryer, an air receiver or an oil heater are fully integrated to help you save on floor space and operational costs.



## BUILT TO LAST

The QRS's automated screw air end manufacturing line prevents human error and ensures the QRS is as powerful and reliable in real life as it was designed.

# The Workshop Compressor

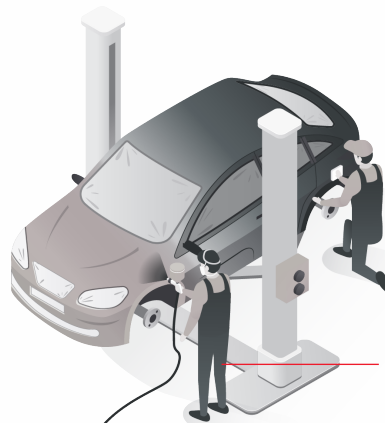


## COMFORTABLY QUIET

The QRS 3-20M was built to be installed and used right where you need it: on your shop floor. That is why we made the unit extra quiet. With a sound level as low as 61 dB(A), the QRS is comparable to a household appliance.

## Cost-effective to buy and own

The QRS doesn't require a separate compressor room. That reduces logistical hassles such as piping, but also lowers your operational and your investment costs. How? The QRS does not have to push its air through an elaborate network of pipes. This means less pressure drops and a higher Free Air Delivery, which generates significant energy savings. But it often also frees up the possibility of choosing a lower pressure and power variant of the QRS, and thus to lower your investment cost significantly.



**Lower Operational Costs**



**Get a lower pressure and power variant**



**Lower Investment Costs**



# QRS 3-20M OIL-INJECTED SCREW COMPRESSORS

## QRS 3-10M Fixed Speed Rotary Screw Air

### Advanced screw air end

The QRS 3-10M comes with a new high-efficiency air end that delivers 15% more air and is 12% more efficient than its predecessor.

**IE3 efficiency motor** allows for continuous operation while reducing energy costs.



**Refrigerant dryer** can be added to your QRS for dry, quality air.

**Super-silent canopy** reduces sound emissions to a comfortable 61-68 dB(A).

Aside from the tank-mounted models, floor-mounted units are available in all power sizes.

Thanks to its wide range of options and flexible build, the QRS 3-10M can accommodate all your requirements.



### Line filters

Can be added for high-quality air.



### Low-loss timer drain

Removes tank condensate.



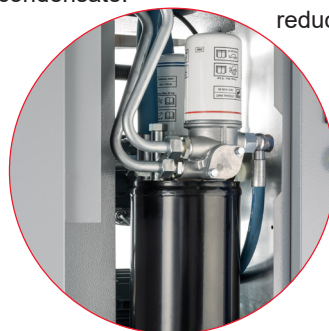
### 60 Gal tank

Gives you extra air storage and reduces the risk of condensation.



### Oil heater

Prevents intermittent-use condensation by maintaining a constant oil temperature while unloading/idle.



### Tropical thermostat

Maintains a higher oil temperature to reduce the risk of condensation.

# QRS 10-20M Fixed Speed Rotary Screw Air Compressor

Equipped with the latest generation of screw element for improved free air delivery and efficiency

Easy to use, efficient, and reliable, the QRS 10-20M range meets the compressed air demands of tire shops, paint shops, car dealers, maintenance shops and more. The range is quiet by design, allowing it to be installed almost anywhere in the workshop, without disturbing your working environment. Base mounted or tank mounted, with or without dryer, and with 100-175 psig pressure variants available, the QRS is a complete solution for your business.



## Introducing the ES4000 Basic Controller

The QRS 10-20M is managed by the ES4000 basic controller, an electronic control unit programmed for energy saving operation with intelligent shutdown. The ES4000 controller makes operation very simple with warning and service alarms.

### Features:

- Icon based display with pressure and temperature settings/readings
- Running and working hours
- Service warnings
- Element outlet temperature reading
- Automatic restart after voltage failure



### The CP Compressor Guarantee

Chicago Pneumatic (CP) is dedicated to providing high quality, reliable equipment that has stood the test of time as one of the most rugged compressors in the market. Our compressors are 100% factory tested, and we stand behind our products with one of the most competitive warranties in the industry!

- |                              |  |
|------------------------------|--|
| • All rotary screw           | 1 Year with option to extend to 5 Years* |
| • Two-stage reciprocating**  | 2 Years                                  |
| • Single-stage reciprocating | 1 Year                                   |

\*We also offer the option to purchase our Platinum Care Warranty at the time of your purchase which adds a year of full warranty coverage for a total of 24 months parts and labor coverage in addition to the 5 year extended warranty on major components. Ask your local distributor how you can add this industry leading coverage!

CP compressors are supported by a network of trained service technicians who can provide complete warranty support, spare parts and technical consultation. For more information on our products, please contact your CP territory sales manager or a local authorized CP distributor.

# QRS 3-20M OIL-INJECTED SCREW COMPRESSORS

## The Convincing Benefits of Screw Technology

Are you considering a piston compressor? The rotary screw technology of the QRS 3-20M offers much stronger benefits. A quick comparison of performance, noise, and air quality shows the QRS to be the better workshop solution.



### Stronger performance

The QRS generates more air and does so more efficiently thanks to its superior compression technology.



### Longer working hours

While pistons need cool-down periods, the QRS can be used all day long.



### Lower sound levels

The QRS 3-20M emits just 61 to 71 dB(A). Pistons are typically 20 dB(A) louder.



### Cleaner air

With an oil carry-over of less than 5 ppm, the QRS generates much cleaner air than a typical piston compressor (more than 30 ppm) to protect your pneumatic tools.

### Standard Features:

- Low sound enclosure
- 150 psig standard (3-10M)
- 125 & 150 psig standard (10-20M, 100 & 175 available with kit)
- Continuous operating capability
- 60 gal. ASME/CRN receiver tank (3-10M)
- 120 gal. ASME/CRN receiver tank (10-20M)
- Single phase 230 TEFC motor (3-7.5)
- 3-phase, 208-230/460V and 575V, TEFC Motor (3-20M)
- Start/stop operation
  - QRS 3-7.5 3-phase
  - QRS 5.0-7.5 HP single phase
  - QRS 10-20M
- UL, cUL and CSA approved control panel
- 5 year warranty with authorized start-up
- Spin-on oil filter and separator
- NEMA 1 electrical protection
- Vibration isolated assembly



## Unique condensate prevention

If you don't use your compressor continuously, investing in condensate prevention is a smart choice. The QRS eliminates the risk of condensation with a host of features, including an oil heater, a tropical thermostat, and a 60-gallon tank.

# Technical Specifications

MODEL	MAX. WORKING PRESSURE	FREE AIR DELIVERY @ REFERENCE CONDITIONS*	MOTOR POWER	NOISE LEVEL **	WEIGHT		
					BASE-MOUNTED	TANK-MOUNTED	TANK-MOUNTED + DRYER
					lbs.		
	PSI	cfm	hp	db(A)			
QRS 3 (D)	116	13.1	3	61	276	397	452
	145	9.8					
QRS 5.5 (D)	116	20.1	5.5	62	298	419	474
	145	18.1					
QRS 7.5 (D)	116	29.3	7.5	66	320	441	496
	145	26.1					
QRS 10M (D)	116	36.1	10	68	342	463	529
	145	34.1					
QRS 10 (D)	125	38.8	10	65	375	589	666
	150	31.2					
QRS 15 (D)	125	54.9	15	69	408	622	699
	150	49.2					
QRSM 20 (D)	125	60.8	20	71	441	655	732
	150	54.9					

\* Unit performance measured according to ISO1217, Annex C, latest edition

\*\* Noise level measured according to ISO2151 2004.

## Dimensions

L X W X H (INCHES)	QRS 3	QRS 5	QRS 7.5	QRS 10M	QRS 10	QRS 15	QRSM 20
Base-mounted	24.4 x 24.8 x 37.4				33.7 x 26.6x38.6		
Tank-mounted	56.3 x 23.6 x 49.6				76.2 x 25.4 x 57.9		
Tank-mounted with dryer							

\* Consider an extra width of +2.6 inches. for the below variants:

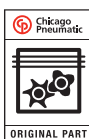
- 230/1/60Hz voltages
- 7.5HP models
- 10HP models



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Since 1901 the Chicago Pneumatic name has represented reliability and attention to customer needs, with construction, maintenance and production tools and compressors designed for specific industrial applications. Today, Chicago Pneumatic has a global reach, with local distributors around the world.

Our people start every single day with a passion to research, develop, manufacture and deliver new products that are meant to meet your needs not only today, but tomorrow as well. To learn more, visit [www.cpccompressors.com](http://www.cpccompressors.com).



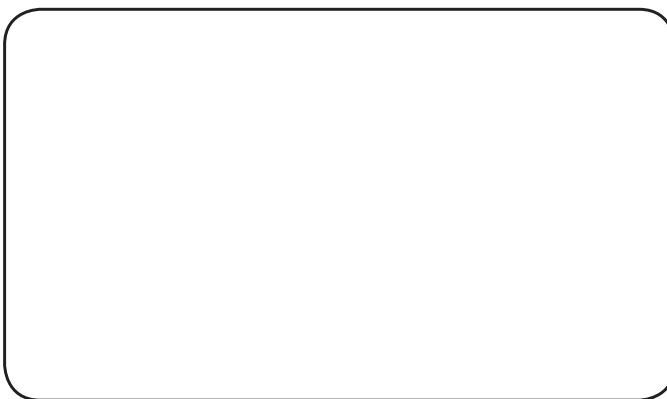
## Care. Trust. Efficiency.

**Care.** Care is what service is all about: professional service by knowledgeable people, using high-quality Original parts.

**Trust.** Trust is earned by delivering on our promises of reliable, uninterrupted performance and long equipment lifetime.

**Efficiency.** Equipment efficiency is ensured by regular maintenance. Efficiency of the service organization is how Original Parts and Service make the difference.

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