



an Enpro Industries company

QRNG



Quincy QRNG



QUINCY QRNG SERIES
RECIPROCATING GAS COMPRESSORS

2-34 HP

SUCTION TO 50 PSIG
DISCHARGE TO 500 PSIG

QUINCY QRNG SERIES

THE QUINCY QRNG SERIES INCLUDES 2-34 HP, SINGLE STAGE & 13-33 HP TWO-STAGE MODELS DELIVERING UP TO 225 MCFD

- Proven performance measured in decades
- Engineered for demanding applications
- Maintenance accessibility and efficiency
- Sweet gas boosting, 10 PPM maximum H₂S sour gas content
- Low cost gas compression

PROVEN PERFORMANCE FOR ALL NATURAL GAS APPLICATIONS

The engineering behind the Quincy QRNG is best examined through the proven performance of the Quincy QR-25. With over two million Quincy QR-25 air compressors currently in use, some originally installed more than 40 years ago, you can count on the Quincy QRNG for economical gas boosting needs.

ENGINEERED DURABILITY

The Quincy QRNG is constructed of heavy-duty cast-iron for strength and durability – just like the Quincy QR-25. The cylinders are cast-iron with horizontal cooling fins and machined to precision tolerances. Quincy's state-of-the-art manufacturing ensures optimum performance and high volumetric efficiency.

The Quincy QRNG also features an advanced design pressure lubrication system, rebuildable connecting rods and low-lift valves. The Quincy QRNG is uniquely engineered to meet even the most demanding natural gas applications.

GAS UNLOADERS

The Quincy QRNG optional gas unloaders are mounted and supplied with tubing which require a tie-in to the customer-supplied activation and control system. This results in easier compressor start-up and provides the ability to handle changes in capacity requirements.



QUICK & EASY MAINTENANCE

Engineered for lasting performance, the Quincy QRNG has been designed for quick and easy maintenance. For example, valves often require the most maintenance. Not only are Quincy's heavy-duty, disc-type valves efficient – they are accessible without having to remove the cylinder head, unhook the discharge lines, unbolt the intercoolers, or any other typical valve maintenance procedures.

QUINCY QRNG GAS COMPRESSOR - FEATURES & BENEFITS

Individual valve pockets allow easy access for routine maintenance.

Cast-iron valve seats are lapped for a total seal, eliminating the need for a discharge line check valve.

High-pressure pistons are cast-iron for strength and long life.

Steel valve discs use a unique low lift design and cast-iron bumpers for increased efficiency and less downtime.

Cast-iron cylinders maintain rigid tolerances for high efficiency.

Aluminum connecting rods with oil passage for full flow lubrication to piston pins to extend compressor life.

Intercooler has large circular fins for maximum heat dissipation and longer life.

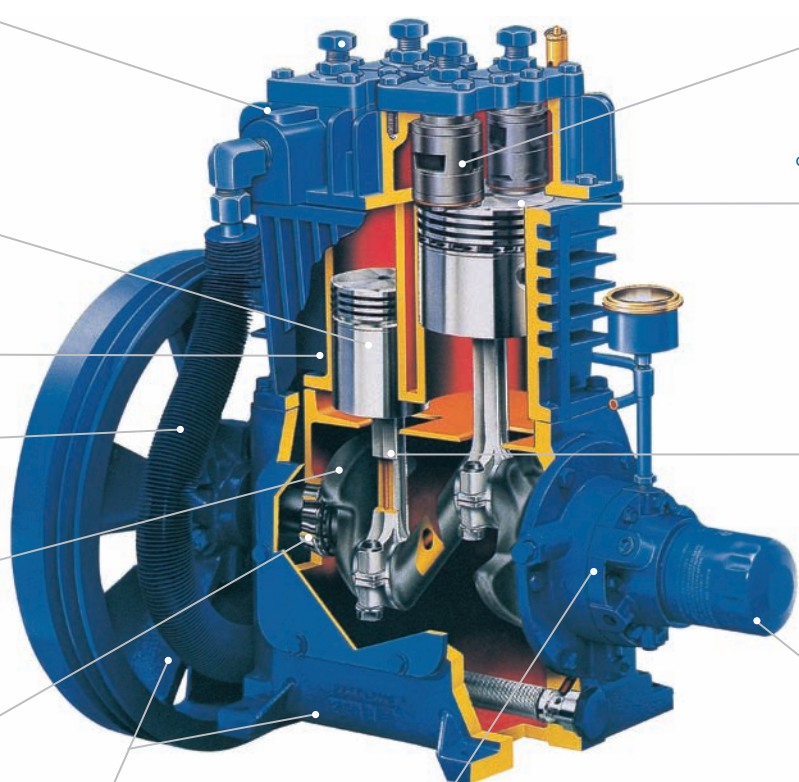
Rifle-drilled, counter-weighted, one-piece crankshaft reduces vibration, extends life of bearings and wrist pins.

Tapered roller bearings are oversized and easily adjusted for trouble-free operation.

Cast-iron crankcase and flywheel for strength and durability.

Pressure lubrication with positive displacement oil pump to assure constant lubrication of all critical wear areas.

Spin-on oil filter for convenient changes and clean lubrication.



QUALITY FEATURES PERFORMING QUALITY FUNCTIONS

- **Slow speed operation** requires less maintenance, produces more CFM per horsepower.
- **Valve design** lets the QRNG run efficiently at lower temperatures.
- **Lubricating system** features advanced-design gerotor oil pump and heavy-duty oil filter for improved life and reliability.
- **Fully counterweighted ductile iron crankshaft**, precision-ground to .0002" roundness.
- **Crankshaft and connecting rods** are rifled-drilled to assure positive pressure lubrication to all critical wear areas.
- **Piston pin needle bearings** for strength and long life.
- **Heavy-duty, low-lift disc-type valves** with Swedish steel discs, cast-iron bumpers and seats for long life.
- **Rebuildable high-strength aluminum alloy connecting rods** equipped with replaceable automotive-type inserts.
- **Crankshaft ends** are supported by large Timken tapered roller main bearings to withstand radial and thrust loads.
- **Large fan-type flywheel** for smooth running and efficient heat dissipation.
- **Optional gas unloaders** with steel vent line.



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NO YELLOW METALS

- All yellow metals have been replaced with steel or aluminum for corrosion resistance. In addition, all seals are made of Viton® materials for corrosion and wear resistance.

STANDARD QUALITY FEATURES

- Rebuildable components
- Low maintenance requirements
- Manually reversible oil pump allows application flexibility
- All three single-stage models are capable of handling inlet pressures from 15" Hg (vacuum) to 50 PSIG
- Single-stage maximum discharge pressure is 125 PSIG
- Screw-in dipstick with O-ring seal prevents gases from venting to atmosphere
- Customer connection point for venting of crankcase and gas unloader to a safe area provided
- Two-stage models are capable of handling inlet pressures up to 30 psig maximum; except model 5120NG which is limited up to 15 psig maximum
- Two-stage maximum discharge pressure is 500 psig for models 325NG & 340NG, 400 psig for models 350NG & 370NG and 325 psig for model 5120NG
- Optional gas unloaders allow for easy start-up and the ability to handle capacity changes

QUINCY QRNG SINGLE-STAGE COMPRESSORS

Model No.	Bore & Stroke	Min RPM	Max RPM	CFM Displacement @ Max RPM	Max Inlet pressure	Max Discharge pressure	Max BHP
216 NG	3x3x2.5***	400	900	18.4	50	125	5.5
240 NG	4x4x3*	400	900	39.3	50	125	10.9
270 NG	4.5x4.5x4*	400	900	66.3	50	125	18.3
4125 NG	4.5x4.5x4**	400	900	132.5	50	125	34.5

QUINCY QRNG TWO-STAGE COMPRESSORS

Model No.	Bore & Stroke	Min RPM	Max RPM	CFM Displacement @ Max RPM	Max Inlet pressure	Max Discharge pressure	Max BHP
325 NG	4.5x2.5x3*	400	900	24.9	30	500	13.2
340 NG	5.25x3x3.5*	400	900	39.5	30	500	20.00
350 NG	6x3.25x3.5*	400	900	53.7	30	400	23.8
370 NG	6x3.25x4*	400	900	61.6	30	400	27.7
5120 NG	6x3.25x4**	400	900	123.2	15	325	33.0

* Two-cylinder
 ** Four-cylinder
 *** Available 1st quarter 2008 (two-cylinder)

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