Quincy COMPRESSOR

QSI & QGV Series

Rotary Screw Air Compressors | 40-125 hp

Quality Comes in All Shapes and Sizes– But Just One Color.

Quincy Has Your Compressed Air Solution.

Since 1920, Quincy's trademark blue compressors have been hard at work building our company's reputation for quality and performance in some of the world's most demanding applications and harshest environments.

We're Still Making History.

Today, you'll find that same leadership in Quincy's next-generation compressed air solutions that feature everything from smart controls to green technologies. We know that your company is counting on our reputation. That's why every Quincy product is designed, constructed and proven to deliver exceptional customer value before it is worthy of wearing the Quincy name.

Our Promise to You.

As a customer, you can always count on Quincy for a low cost of ownership through stable air pressure, easy maintenance and longer equipment life. And we back it all with some of the strongest manufacturer warranties in the industry. No shortcuts and no substitutions. That's the quality of Quincy.

Trusted Performance. Best-In-Class Efficiency. Low Cost of Ownership.

- **Choice of Drive Systems**
  Reliable fixed and variable speed drive options include key technologies to improve control performance.
- **Greater Installation Flexibility**
  Small footprint design uses 30% less floor space, reduces noise levels by three decibels and operates with less vibration, even in hot and humid environments up to 115˚F.
- **Reduced Energy Costs**
  The introduction of a new package, Q-Airend and Q-Control combine to deliver industry leading efficiency. As a member in the CAGI (Compressed Air & Gas Institute) Performance Verification Program, our industry leading performance is available for competitive comparison.
- **Simplified Maintenance**
  Hinged doors, detachable panels and flexible motor removal features offer quick access with all consumables located in a single location for fast maintenance. A needle valve allows oil sampling during operation and scheduled maintenance includes air and oil filter changes (every 4,000 hours) and separator element replacement (every 8,000 hours).
- **Leading Warranty**
  Quincy's "Royal Blue" 10-Year Extended Warranty covers the airend for a decade, and 5-year coverage on the motor, air/fluid receiver, drive coupling and cooler.

True Life Cycle Cost =
Purchase Price + Energy Costs + Parts and Service + Additional Factors

- **Purchase Price**

  This is the "upfront" portion of your investment. Over time, the impact of this expense becomes less significant, especially in units that run with minimal downtime over a long life.

- **Parts and Service**

  This cost can vary depending on the type of unit purchased and the application it performs. In all cases, this expense can be calculated by considering the cost and schedule of regular maintenance as a baseline. High stress or demanding applications should also consider the availability of genuine replacement parts and the cost of repairing or replacing key components.

- **Energy Costs**

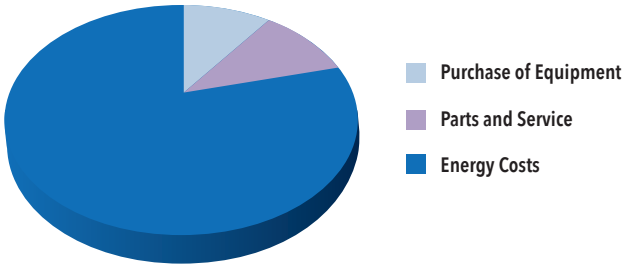
  Over the operating life of your compressor, energy is the greatest share of your true life cycle cost. Additionally, energy expenses often fluctuate, and these price changes can directly impact your overall profitability. Consider placing an emphasis on units that come with more energy efficient features to help minimize the impact of energy costs throughout your compressor's operational life.

- **Additional Factors**

  In addition to purchase price, parts/service and energy costs, you should also consider any applicable factors based on the needs of your application and configuration of your compressor. These can include (but are not limited to):

- Load profile
- Unloaded energy costs
- Energy recovery
- Pressure drops across equipment and piping
- Demand charges
- Dryer energy costs
- Auxiliary equipment energy costs
- Load/unload cycle time
- Bleed-down losses
- Non-production operation
- Artificial demand
- Air leak losses
- Project engineer recommendations
- System pressure set points

Total Life Cycle Cost



Quincy Compressor proudly builds each one of its flagship QSI product lines at its factory headquartered in Bay Minette, Alabama. As a American-based air compressor manufacturer, Quincy makes high quality equipment assembled by a 200+ workforce right here on the Gulf Coast. With nearly a century of experience, you can count on Quincy to deliver performance, reliability and top-notch after-the-sale-support through an extensive distribution and direct store network.

QSI 50-60-75-100-125 HP Premium Fixed Speed Rotary Screw Compressor

Standard Premium Features (50-60-75-100-125)

Quincy's QSI 50-60-75-100-125 HP offers premium performance in a fixed speed rotary compressor. These units are designed for medium to large industrial applications with steady air needs within a small footprint design. The QSI 50-60-75-100-125 HP provides the pressure and flow you need with minimal operating pressures of 100-125-150 Psi.

QSI Standard Features:

- Nema premium TEFC drive motor
- Low sound enclosure
- Wye-Delta starter
- Q-Control microprocessor with cellular connectivity
- Web monitoring and networking (6)
- High dust inlet filter
- Phase monitor
- Power outage restart
- Royal Blue extended warranty (10 years)
- Q-Airend designed to last over 100,000 hours

QGV 40-50-60-75-100-125 Premium Variable Speed Rotary Screw Compressor

Standard Premium Features (40-50-60-75-100-125)

Quincy's QGV 40-50-60-75-100-125 HP brings the benefits of a variable speed drive to industrial applications where air demand fluctuates. These next-generation units are ~10% more efficient.

QGV Standard Features:

- Nema premium TEFC drive motor
- Low sound enclosure
- QFD – Quincy frequency drive
- Q-Control microprocessor with cellular connectivity
- Web monitoring and networking (6)
- High dust inlet filter
- Power outage restart
- Royal Blue extended warranty (10 years)
- Q-Airend designed to last over 100,000 hours

QSI Fixed Speed Technical Data

Model No.	HP	KW	PSI	ACFM	Length	Width	Height	Lbs	DBA
QSI-50	50	37	100/110	249.6	67	37.7	65.8	2217	66
QSI-50	50	37	125/128	229.9	67	37.7	65.8	2217	66
QSI-50	50	37	150/153	208.7	67	37.7	65.8	2217	66
QSI-60	60	45	100/110	307.2	67	37.7	65.8	2235.5	66
QSI-60	60	45	125/128	281.6	67	37.7	65.8	2235.5	66
QSI-60	60	45	150/153	257.7	67	37.7	65.8	2235.5	66
QSI-75	75	55	100/110	382.6	87.6	41.8	74.9	3527	72
QSI-75	75	55	125/128	345.7	87.6	41.8	74.9	3527	72
QSI-75	75	55	150/153	293.2	87.6	41.8	74.9	3527	72
QSI-100	100	75	100/110	493.3	87.6	41.8	74.9	3549	71
QSI-100	100	75	125/128	472.6	87.6	41.8	74.9	3549	71
QSI-100	100	75	150/153	423.6	87.6	41.8	74.9	3549	71
QSI-125	125	90	100/110	584.7	87.6	41.8	74.9	3606	72
QSI-125	125	90	125/128	553.7	87.6	41.8	74.9	3606	72
QSI-125	125	90	150/153	495.6	87.6	41.8	74.9	3606	72

* Unit performance measured according to ISO 1217, Annex C, Edition 4:2009.

QGV Variable Speed Technical Data

Model No.	HP	KW	PSI	ACFM	Length	Width	Height	Lbs	DBA
QGV-40	40	30	100	209.8	67	37.7	65.8	2277	67
QGV-40	40	30	125	183.0	67	37.7	65.8	2277	67
QGV-40	40	30	150	173.9	67	37.7	65.8	2277	67
QGV-50	50	37	100	255.7	67	37.7	65.8	2277	68
QGV-50	50	37	125	226.8	67	37.7	65.8	2277	68
QGV-50	50	37	150	218.4	67	37.7	65.8	2277	68
QGV-60	60	45	100	302.8	67	37.7	65.8	2277	72
QGV-60	60	45	125	272.3	67	37.7	65.8	2277	72
QGV-60	60	45	150	244.8	67	37.7	65.8	2277	72
QGV-75	75	55	100	375.0	87.6	41.8	74.9	3123	73
QGV-75	75	55	125	340.3	87.6	41.8	74.9	3123	73
QGV-75	75	55	150	302.2	87.6	41.8	74.9	3123	73
QGV-100	100	75	100	514.1	87.6	41.8	74.9	3132	72
QGV-100	100	75	125	463.3	87.6	41.8	74.9	3132	72
QGV-100	100	75	150	417.8	87.6	41.8	74.9	3132	72
QGV-125	125	90	100	597.3	87.6	41.8	74.9	3132	77
QGV-125	125	90	125	553.9	87.6	41.8	74.9	3132	77
QGV-125	125	90	150	491.8	87.6	41.8	74.9	3132	77

* Unit performance measured according to ISO 1217, Annex C, Edition 4:2009.

Quincy's Royal Blue Warranty

Everyone says they have the best machine, but how do they support it? Quincy backs the QSI and QGV with an industry leading 10-year extended warranty! Other compressor manufacturers charge extra for similar plans, or for an extended warranty. Why purchase an empty promise when you can get 10 years of airend coverage standard? This industry leading warranty is FREE and it's standard on the QSI and QGV.

Industry Leading Warranty - 10-Year Airend Warranty, Five Year Warranty on Major Components.

Q-Control

Q-Control Advanced Monitoring, Controls and Networking Capability

The Q-Control combines the latest controller technology with Quincy's cutting-edge and market leading compressor controller software. The resulting package provides a broad range of customer benefits, including improvements on user interface; overall reliability and uptime as well as energy reductions through improved control algorithms. Optimizing and staying connected to the compressed air system has never been easier due to the new onboard tools which include networking, basic remote monitoring and cellular connectivity services.

Built-In Intelligence

- Full-color 5.7" display
- Networking up to 6 compressors*
- Online visualization via ethernet connection
- Real-time trending on controller screen
- Day/Week Organizer
- Dual Pressure Band
- Graphic Service Plan Indicator

Protection

- Predictive graphic service plan
- Pre-warnings

Optional

- Remote pressure sensor

*Consult manual for unique configuration constraints

Q-Control Online Visualization

Monitor your compressors with the new Q-Control over your local area network (LAN). Monitoring features include warning indications, compressor shutdown and maintenance scheduling, all possible with the free, online compressor status visualization.

Q-Connect Cellular Connectivity

Q-Connect is a monitoring service that provides an online service performance dashboard, service logging, machine service status and monthly service emails at no charge to the customer (RighTime). The cellular hardware device (ICONS) ships standard with every Q-Control. Additional paid features including text message, email and maintenance pre-alerts are available through the connectivity program (UpTime).

Optional Gauge Control for QSI

- Ideal for harsh applications
- Gauges are 2.5", stainless steel back and bezel, both metric and English
- Silicon-dampened dashpot movements give accuracy of liquid- filled gauge without leak possibility
- Three gauges: Pressure, Percent Capacity, Temperature

Quincy Frequency Drive:

QFD 450/900 Custom Inverter

The Quincy QFD is an in-house design that allows for an improved control over the lifecycle of the application. Its compact size was achieved by using the latest IGBT technology and simplifying the design to a compressor only application. Drive electronics are intelligently located in an IP5X area preventing damage from conductive dust. This intelligent design features a through-the-wall mounted heat sink and fan combination to separate drive heat from the electrical enclosure.

The QFD 450/900 operates in high ambient temperatures with operation at full power between -20˚C/-4˚F and 50˚C/122˚F. It also features the latest insulated-gate bipolar transistor (IGBT) technology for high efficiency and fast switching in higher junction temperatures (150˚C).

The Quincy QFD 450/900 is standard on all QGV 40-60 models.

One Tough VSD

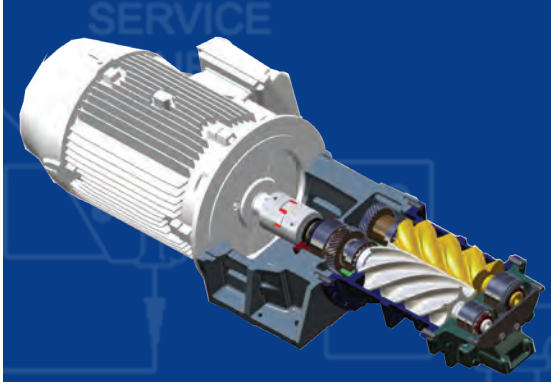
For applications in challenging indoor and outdoor environments, Quincy includes many premium features in its standard package for the QGV 40-60 models. These features include:

- **Nanoperm® Rings**
  Nanocrystalline material reduces motor bearing currents in the unit's high frequency inverter to prevent possible electrical breakdowns that could seize the motor.
- **Thru the Wall Mounted Drive**
  Eliminates the need for a cubicle vent fan and filter by removing the drive heat thru the compressor package.
- **Surge Suppressor with Alarm Feedback**
  Instant notification in the event of power issues that directly affect equipment operation and performance.

Q-Airends: Generate More Air with Less Wear

Our new Q-Airend design utilizes a combination of cylindrical roller bearings to handle radial loads and angular contact bearings for thrust loads. This airend was designed for 100,000+ hours of continuous operation.

The efficient drive transmission reduces the axial load on the male rotor and provides more working points in the optimal working range. This optimizes the bearings, reducing mechanical losses with no loss of efficiency over time. Each drivetrain features a Drive Coupling to minimize torque and vibration (especially on start-up) to greatly extend component life.

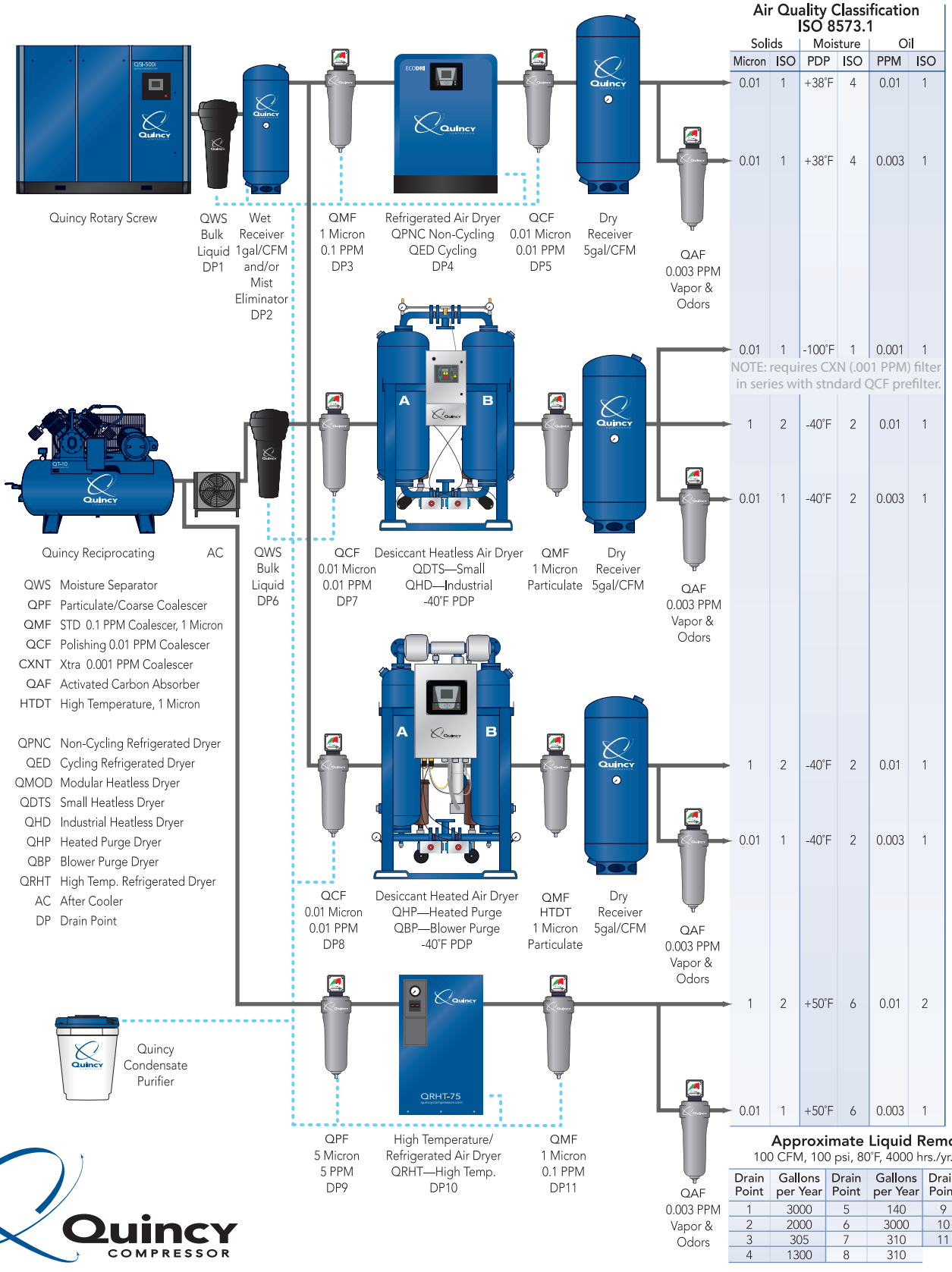


MEMBER OF CAGI Compressed Air & Gas Institute

KNOW PRESSURE COMPRESSED AIR CHALLENGE

Manufactured in
Bay Minette, Alabama
Performance You Demand.
Reliability You Trust.

Compressed Air Systems Best Practice



QWS Moisture Separator
QPF Particulate/Coarse Coalescer
QMF STD 0.1 PPM Coalescer, 1 Micron
QCF Polishing 0.01 PPM Coalescer
CXNT Xtra 0.001 PPM Coalescer
QAF Activated Carbon Absorber
HTDT High Temperature, 1 Micron

QPNC Non-Cycling Refrigerated Dryer
QED Cycling Refrigerated Dryer
QMOD Modular Heatless Dryer
QDTS Small Heatless Dryer
QHD Industrial Heatless Dryer
QHP Heated Purge Dryer
QBP Blower Purge Dryer
QRHT High Temp. Refrigerated Dryer
AC After Cooler
DP Drain Point

Air Quality Classification ISO 8573.1

Solids		Moisture		Oil	
Micron	ISO	PDP	ISO	PPM	ISO
0.01	1	+38°F	4	0.01	1
0.01	1	+38°F	4	0.003	1
0.01	1	-100°F	1	0.001	1
		NOTE: requires CXN (.001 PPM) filter in series with stndard QCF prefilter.			
1	2	-40°F	2	0.01	1
0.01	1	-40°F	2	0.003	1
1	2	-40°F	2	0.01	1
0.01	1	-40°F	2	0.003	1
1	2	+50°F	6	0.01	2
0.01	1	+50°F	6	0.003	1

Approximate Liquid Removal
100 CFM, 100 psi, 80°F, 4000 hrs./yr., 2 PPM

Drain Point	Gallons per Year	Drain Point	Gallons per Year	Drain Point	Gallons per Year
1	3000	5	140	9	300
2	2000	6	3000	10	4320
3	305	7	310	11	120
4	1300	8	310		

Quincy COMPRESSOR

Performance You Demand. Reliability You Trust.™

701 N. Dobson Avenue | Bay Minette, AL 36507
Phone 251.937.5900 | Fax 251.937.0872
Email: info@quincycompressor.com | QuincyCompressor.com

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