



POSITIVE DISPLACEMENT BLOWER PACKAGES

IQ-RB Series



It's all about...

the IQ-RB BLOWER PACKAGE



- Features
- RBS blower (tri-lobe design)
 - Fixed speed & variable speed
 - Inverter duty motors for VFD capabilities
 - Mechanical gauges

- Compact Design
- Significantly reduced dimensions
 - Optimizes floor space

Reliable Performance

| Technology | Specifications | | |
|----------------------|----------------|------|-------------|
| IQ-RB Blower Package | UP TO | | |
| | 6000 | CFM | <div></div> |
| | 15 | PSI | <div></div> |
| | 15 | inHg | <div></div> |

RBS Design **Advantages**

DUAL SPLASH LUBRICATION

Reliable dual splash lubrication on both the drive and gear ends for longer product life

HELICAL GEARS

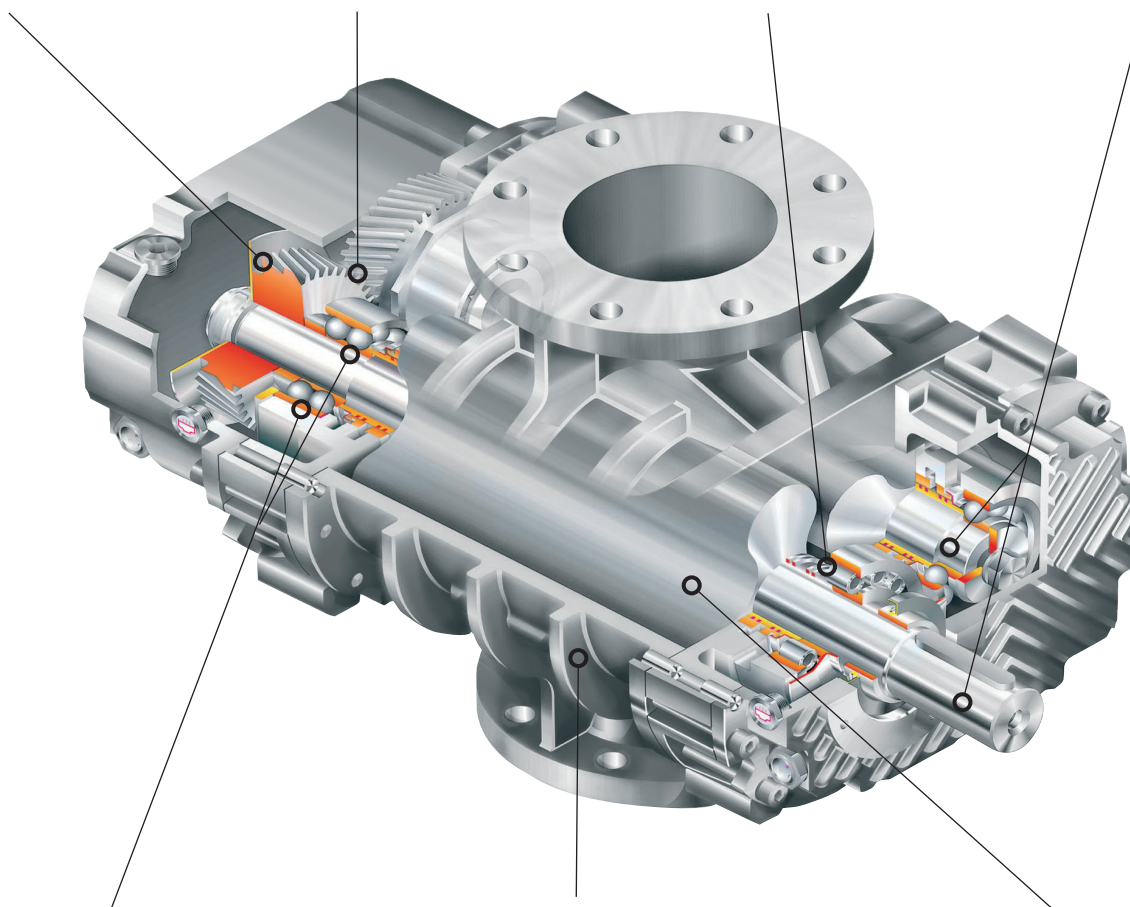
Helical timing gears for smooth and quiet operation at all speeds

LEAK-FREE OPERATION

Piston rings and flinger maximize seal life in continuous severe duty applications

DURABLE SHAFTS

High strength shafts that allow higher operating pressures and rotation speeds



LONG LIFE BEARINGS

Reinforced roller bearings are calculated for a lifespan of 100,000 hours under the most severe operating conditions

SINGLE PIECE CYLINDER

High strength impeller case is heavily ribbed and machined from a single piece of cast iron to retain internal clearances and improve heat dissipation

THREE-LOBE ROTORS

Involute three-lobe rotors offer the highest performances and efficiencies

It's all about...

THE SIMPLICITY

Design Features

- Patented design reduces noise
- Compact design = decreased system costs
- Can be installed side-by-side
- Easy access via removable front and upper panels

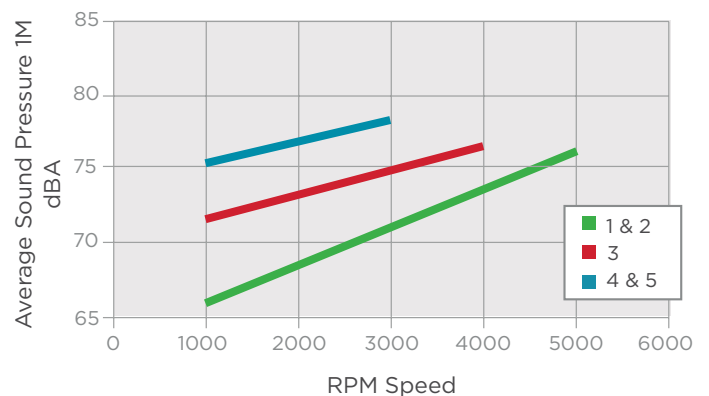
Quiet Operation

- Unique noise enclosure design with double sound insulation panels
- Tri-Lobe technology reduces flow pulsation
- Discharge silencer
- Patented tunable inlet filter/silencer reduces noise (pictured below)



TUNABLE
INLET
FILTER/
SILENCER

IQ-RB NOISE LEVEL



We Keep It Simple to Save You Money

Ease of Inspection

- Access: All maintenance operations are performed from the front with the removal of the front panels
- Oil Change: Can be performed with easily accessible fill and drain hoses
- Oil Level Check: Oil levels can be checked via gauges with or without the blower running

Mechanical Gauges

- Inlet filter restriction gauge
- Discharge pressure gauge
- Discharge temperature gauge

Simplified Maintenance

- Minimizes downtime
- Reduces maintenance costs
- Removable panels permit easy access
- Easily viewable oil levels & streamlined oil changes
- Automatic belt tensioning
- Simple belt replacement

| FRAME | 1 | 2 | 3 | 4 | 5 |
|-------|------|-------|--------|--------|---------|
| HP | 3-15 | 15-60 | 25-125 | 60-300 | 125-500 |
| CFM | 150 | 650 | 1400 | 3400 | 6000 |



IQ-RB PERFORMANCE DATA

| Frame | Model | MAX PRESSURE DATA | | | | MAX VACUUM DATA | | | |
|-------|-----------|---------------------|-----------------|--------------|----------------|------------------|-----------------|--------------|----------------|
| | | PRESSURE PSI (G) | CAPACITY CFM | MOTOR BHP | NOISE DB(A) | PRESSURE inHg | CAPACITY CFM | MOTOR BHP | NOISE DB(A) |
| 1 | IQ-RB 15 | 13 | 140 | 15 | <70 | 15 | 140 | 15 | <70 |
| | IQ-RB 25 | 10 | 190 | 15 | 70 | 15 | 180 | 15 | <70 |
| 2 | IQ-RB 35 | 15 | 285 | 30 | 73 | 15 | 285 | 25 | 70 |
| | IQ-RB 45 | 15 | 410 | 40 | 76 | 15 | 410 | 25 | 73 |
| | IQ-RB 46 | 10 | 640 | 40 | 75 | 15 | 620 | 40 | 72 |
| | IQ-RB 55 | 15 | 595 | 60 | 76 | 15 | 595 | 40 | 73 |
| | IQ-RB 65 | 15 | 630 | 60 | 77 | 15 | 795 | 60 | 74 |
| 3 | IQ-RB 65 | 15 | 810 | 75 | 77 | — | — | 60 | — |
| | IQ-RB 66 | 10 | 1150 | 75 | 77 | 15 | 1090 | 60 | 73 |
| | IQ-RB 75 | 15 | 940 | 100 | 76 | 15 | 935 | 60 | 76 |
| | IQ-RB 85 | 15 | 1680 | 120 | 77 | 15 | 1370 | 75 | 74 |
| | IQ-RB 86 | 10 | 1390 | 100 | 77 | 15 | 1765 | 100 | 78 |
| | IQ-RB 95 | 15 | 1525 | 125 | 77 | 15 | 1525 | 100 | 75 |
| 4 | IQ-RB 86 | 10 | 1825 | 125 | 76 | — | — | 100 | — |
| | IQ-RB 105 | 15 | 1980 | 200 | 78 | 15 | 1980 | 100 | 76 |
| | IQ-RB 106 | 10 | 2770 | 200 | 78 | 15 | 2648 | 150 | 78 |
| | IQ-RB 115 | 15 | 2370 | 250 | 77 | 15 | 2370 | 125 | 76 |
| | IQ-RB 125 | 15 | 3050 | 300 | 78 | 15 | 3050 | 150 | 78 |
| | IQ-RB 126 | 10 | 3120 | 250 | 78 | 15 | 4237 | 250 | 77 |
| | IQ-RB 135 | 15 | 3180 | 300 | 78 | 15 | 3180 | 150 | 76 |
| 5 | IQ-RB 126 | 10 | 4330 | 375 | 78 | — | — | — | — |
| | IQ-RB 145 | 15 | 4700 | 473 | 78 | 15 | 4700 | 300 | 79 |
| | IQ-RB 155 | 10 | 6060 | 473 | 78 | 12 | 6000 | 300 | 79 |
| | IQ-RB 165 | 15 | 6120 | 600 | 81 | 15 | 6120 | 375 | 82 |

Performances related to atmospheric air: absolute pressure 14.7 psi, temperature 68° F, relative humidity 36%



IQ-RB DIMENSIONS



P1 Silencer panels (S) assembled after transport
All dimensions are in inches

The leader in every market we serve
by continuously improving all business processes
with a focus on innovation and velocity

**Gardner
Denver®**

www.GardnerDenver.com

©2024 Industrial Technologies and Services, LLC
Printed in U.S.A.
PD-IQ-RB 3rd Ed. 7/24



Please recycle after use.