



IQ-RB+ Blower Package

WITH POSITIVE DISPLACEMENT BLOWERS & VACUUM PUMPS



It's all about...

the IQ-RB+ Blower Package



*IQ-RB+
Frame 3*

The Next Generation of Blower Package Capability

The next generation and newest addition to the Gardner Denver Blower Package family, the IQ-RB+ combines the trusted reliability of our IQ-RB series brand with smarter controls and enhanced package assembly.

With a proven history of quality, reliability and performance, Gardner Denver is a trusted provider of Blower Packages for a range of industrial applications.

NEW Features

- Governor Controller Touchscreen and LED with iConn Connectivity
- Standard Fixed Speed with Optional Integral Variable Speed
- Sound Attenuating Enclosure for Quiet Operation
- Wye Delta Starter Standard with Fully Integrated Control Panel
 - Less Starter Option Available
- Compact Installation
- Designed for Easy Maintenance

INDUSTRY	APPLICATION
Water Treatment	Grit & Channel Aeration Aerobic Digestion Support Filter Backwashing
Pneumatic Conveying	Dilute Phase Conveying Fluidization Bin Loading/Unloading Dry Bulk Material Handling
Dairy	Milking Machines
AND MORE	

IQ-RB+ Blower Package

IQ-RB+ Frame 3

- Max Pressure to 14.5 PSI
- Max Vacuum to 15 inHg
- 25-125 HP
- 650-1400 CFM

IQ-RB+ Frame 4

- Max Pressure to 14.5 PSI
- Max Vacuum to 15 inHg
- 60-300 HP
- 1400-3400 CFM



*IQ-RB+ Frame 3
Rear View Cutaway*



Package Design Features

NEW Design Features

- Touch screen LED Governor Controller
- iConn remote monitoring connectivity
- Fixed or Variable Speed options
 - Standard integral VFD on all variable speed packages
- Sound attenuating enclosure for quiet operation with fully boxed steel base
 - Additional rigidity and easy transportation
 - NEMA4 enclosure standard on fixed speed packages
 - NEMA12 enclosure standard on variable speed packages
- Integrated Wye Delta starter with Full Control Panel
 - Efficient startup with reduced electrical loads. Protects equipment from significant mechanical shock and current spikes.
 - Less starter optional

Key Features

- Ease of maintenance
- Tri-Lobe rotor blowers for reduced pressure pulsations and efficient operation
- Continuous duty application
- Optional rain hood supports outdoor installations*

**Contact Gardner Denver for outdoor installation guidelines.*

Governor Controller

- Touch screen, user-friendly navigation
- Easily display machine status and current operating parameters
- Real-time performance data and diagnostics available
- View historical key metrics and trends like flow and pressure (30 days rolling data) with customizable data view
- Optional USB port for data transfer
- Simplify maintenance by viewing service intervals for consumables and hour to next service
- Automatic shutdown to protect equipment
- I/O mapping: Control what digital input/output, temperature input, and analog input information is recorded and received
- Integral VFD information such as power, temperature, frequency and status can be viewed from the controller

iConn Remote Connectivity

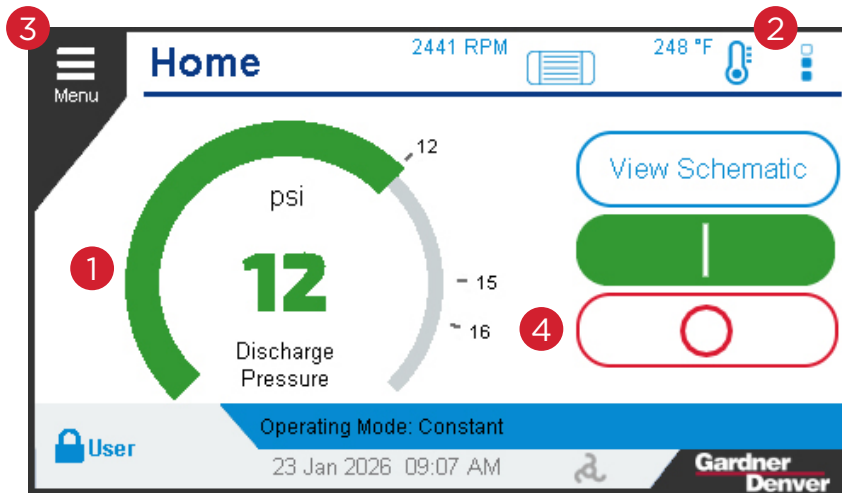
- System monitoring with alarm notifications
- Easy connection & integration into existing SCADA systems
- Data logging



It's all about...

Intelligent Connectivity

The Governor™ Controller offers user-friendly navigation, real-time performance data, and diagnostics for your IQ-RB+. Connectivity is a breeze, as the internal iConn modem allows for easy connection to on-site Ethernet and integration into existing SCADA systems. With minimal startup requirements, the IQ-RB+ offers quick installation and easy incorporation into existing systems



Easily View Key Operating Points On Home Screen

- 1 Operational Air Pressure/Vacuum
- 2 Blower Temperature
- 3 Easily Access Additional Features & Readouts
- 4 Easy Start/Stop Control

Smarter Controls & Enhanced Connectivity

- Protect Your Process
 - Real-time system monitoring and alarms will alert you before critical failure. With automatic shutdown, the Governor Controller protects your equipment, giving you added peace of mind.
- Operation Trends
 - View recent history of key performance metrics like delivery pressure, flow, temperature, etc...
- Package Control
 - Allows package performance optimization by adjusting for demand
- Maintenance Dashboard
 - Allows users to quickly see the service status of consumables eliminating the need to manually track service intervals

It's all about...

Ease of Maintenance

Designed for Simplicity. Built for Efficiency & Performance.

Solutions That Save You Time & Money

Simplified Maintenance

- 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
- Automatic belt tensioning
- Simple belt replacement

Ease of Inspection

- Oil Level Check: Oil levels can be checked via gauges with or without the blower running
- Minimizes downtime
- Reduces maintenance costs



*IQ-RB+ Frame 3
Front View Cutaway*

RBS Design **Advantages**

DUAL SPLASH LUBRICATION

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

HELICAL GEARS

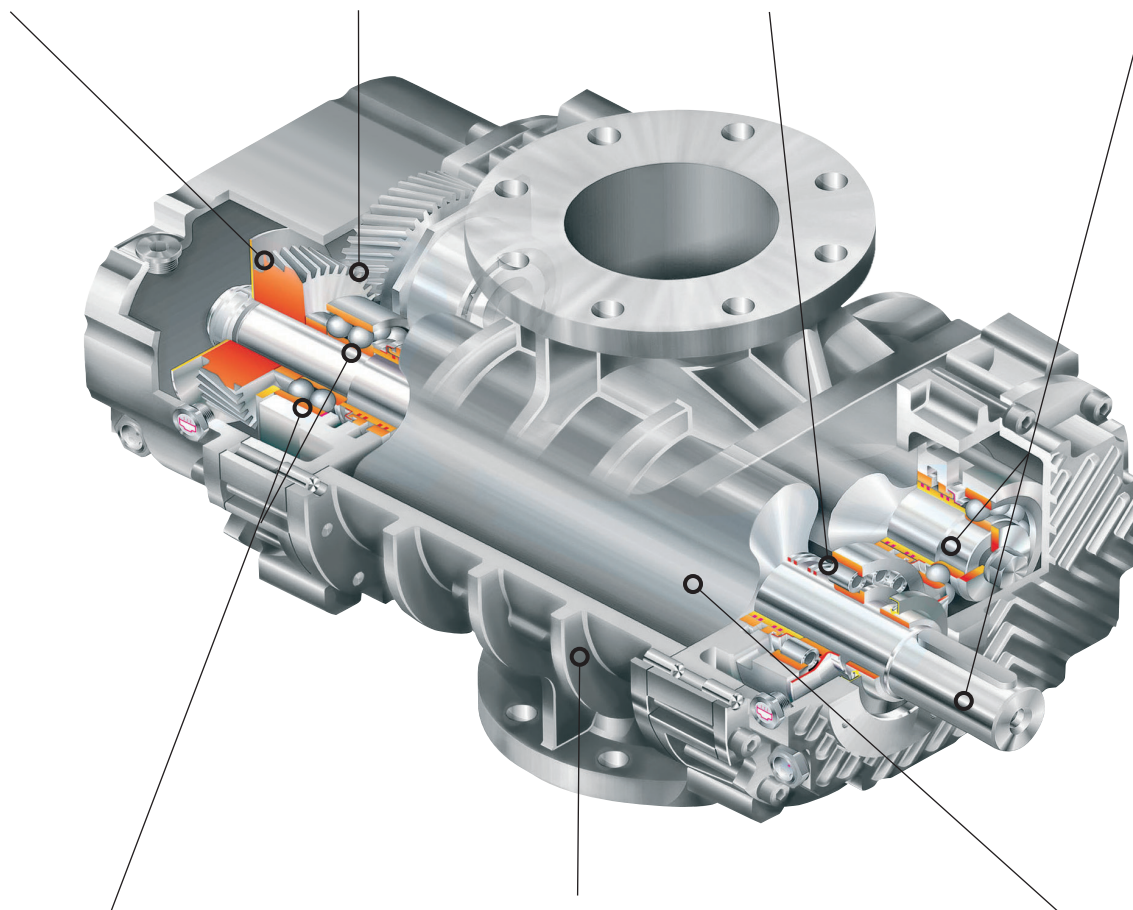
Helical timing gears for smooth and quiet operation at all speeds

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

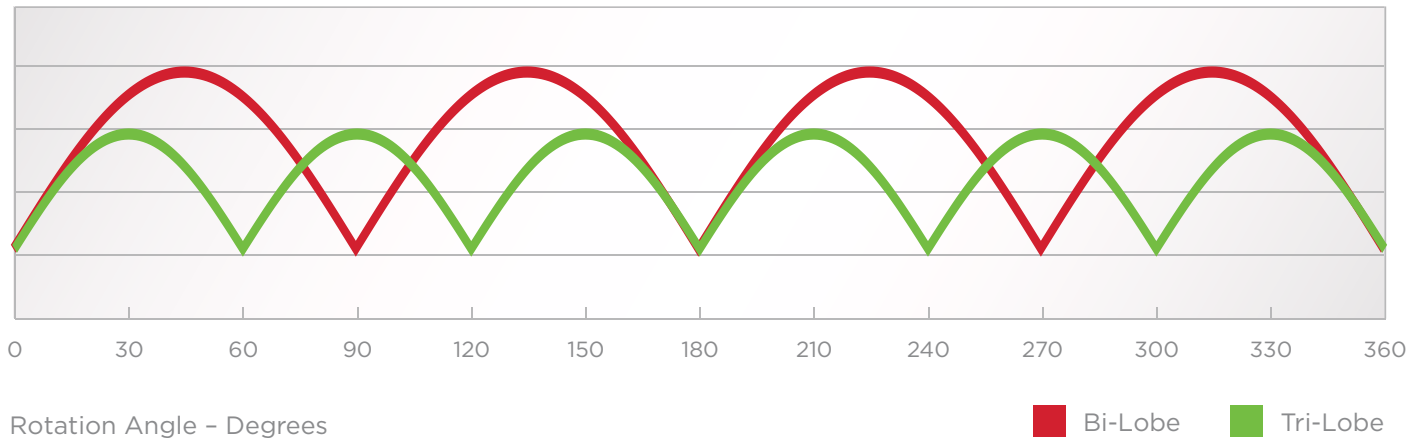
THREE-LOBE ROTORS

Involute three-lobe rotors offer the highest performances and efficiencies

It's all about...

The Tri-Lobe Advantage

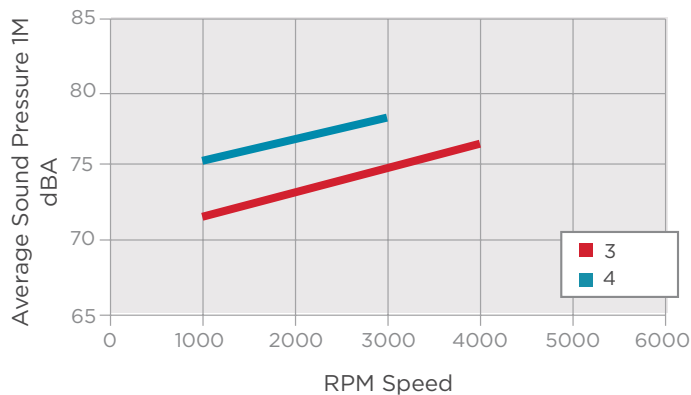
REDUCED PULSE = LOWER NOISE = QUIETER OPERATION



Quiet Operation

- Tri-Lobe technology reduces flow pulsation
 - Reduced pulsations decrease perceived noise levels and reduce wear on downstream equipment due to pressure spikes
- Unique, patented noise enclosure design with double sound insulation panels to reduce noise
- Discharge silencer
- Patented tunable inlet filter/silencer reduces noise

IQ-RB+ NOISE LEVEL

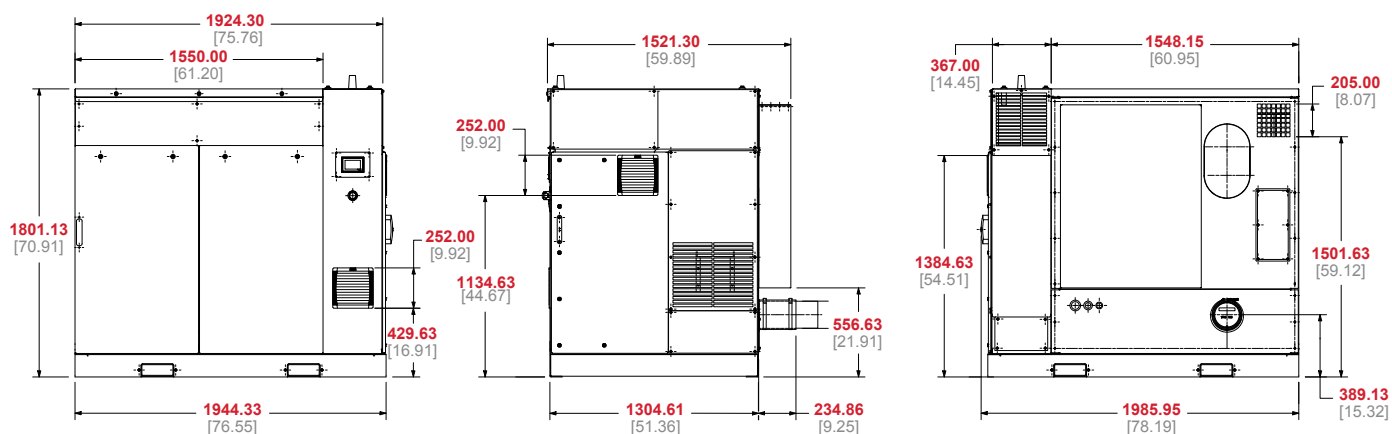


IQ-RB+ Performance Data

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)
3	IQ-RB 65	14.5	810	75	77	—	—	60	—
	IQ-RB 66	10	1150	75	77	15	1090	60	73
	IQ-RB 75	14.5	940	100	76	15	935	60	76
	IQ-RB 85	14.5	1680	120	77	15	1370	75	74
	IQ-RB 86	10	1390	100	77	15	1765	100	78
	IQ-RB 95	14.5	1525	125	77	15	1525	100	75
4	IQ-RB 86	10	1825	125	76	—	—	100	—
	IQ-RB 105	14.5	1980	200	78	15	1980	100	76
	IQ-RB 106	10	2770	200	78	15	2648	150	78
	IQ-RB 115	14.5	2370	250	77	15	2370	125	76
	IQ-RB 125	14.5	3050	300	78	15	3050	150	78
	IQ-RB 126	10	3120	250	78	15	4237	250	77
	IQ-RB 135	14.5	3180	300	78	15	3180	150	76

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

Dimensions



Units of measure displayed in imperial.

[Units of measure displayed within brackets in metric.]

It's all about...

Protecting Your Product



PARTS
PLAN

Ultimate Customer Parts Plan Program.
Register Your Blower Today.

To register for the Gardner Denver Ultimate Customer Parts Plan, locate the blower model and serial number of your product. To complete your registration and activate your three-year warranty coverage under the Ultimate Customer Parts Plan Program, please contact your local Gardner Denver distributor.



3-Year Factory
Warranty

3 Annual Service Kits



Oil Sampling for
Health Monitoring

Distributor-Activated
Registration



Once your Gardner Denver blower product is officially enrolled, you will receive three-years of warranty coverage. As part of this program, you will receive a service kit annually to ensure you have the necessary consumables to properly maintain your blower and fulfill warranty requirements.

Thank you for choosing Gardner Denver to support
your equipment's performance and longevity.

Learn
About Our
**Ultimate
Customer
Parts Plan**



- 
- ★ Corporate Headquarters
 - Certified Service Center Locations
 - Distributor Locations

Coverage from Coast to Coast

Our regional distributor network ensures we're here when you need us. With dedicated regional service partners across the country, you gain access to the maintenance, support, and expertise required to keep your blower package operating at its best, when and where you need it.



Locate Your
NEAREST
Distributor
Scan the QR
Code Below



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

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