

Gardner Denver

POSITIVE DISPLACEMENT BLOWER PACKAGES

IQ-RB Series



It's all about...

the IQ-RB BLOWER PACKAGE



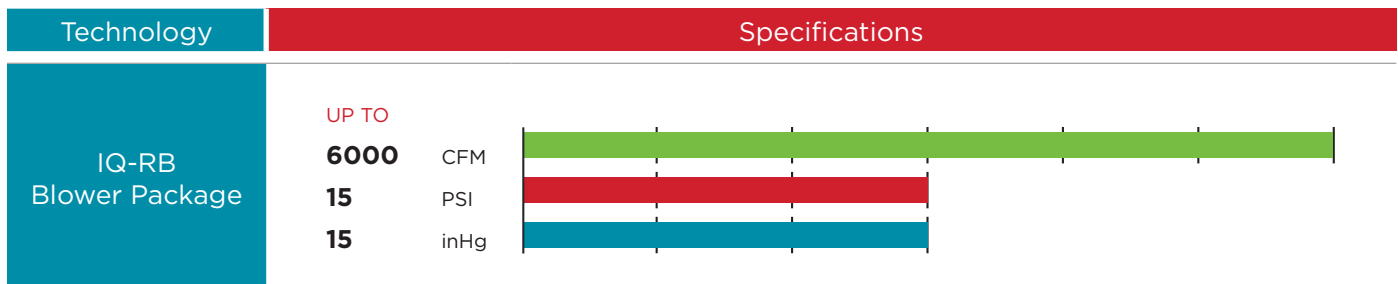
Features

- 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



RBS Design **Advantages**

DUAL SPLASH LUBRICATION

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

HELICAL GEARS

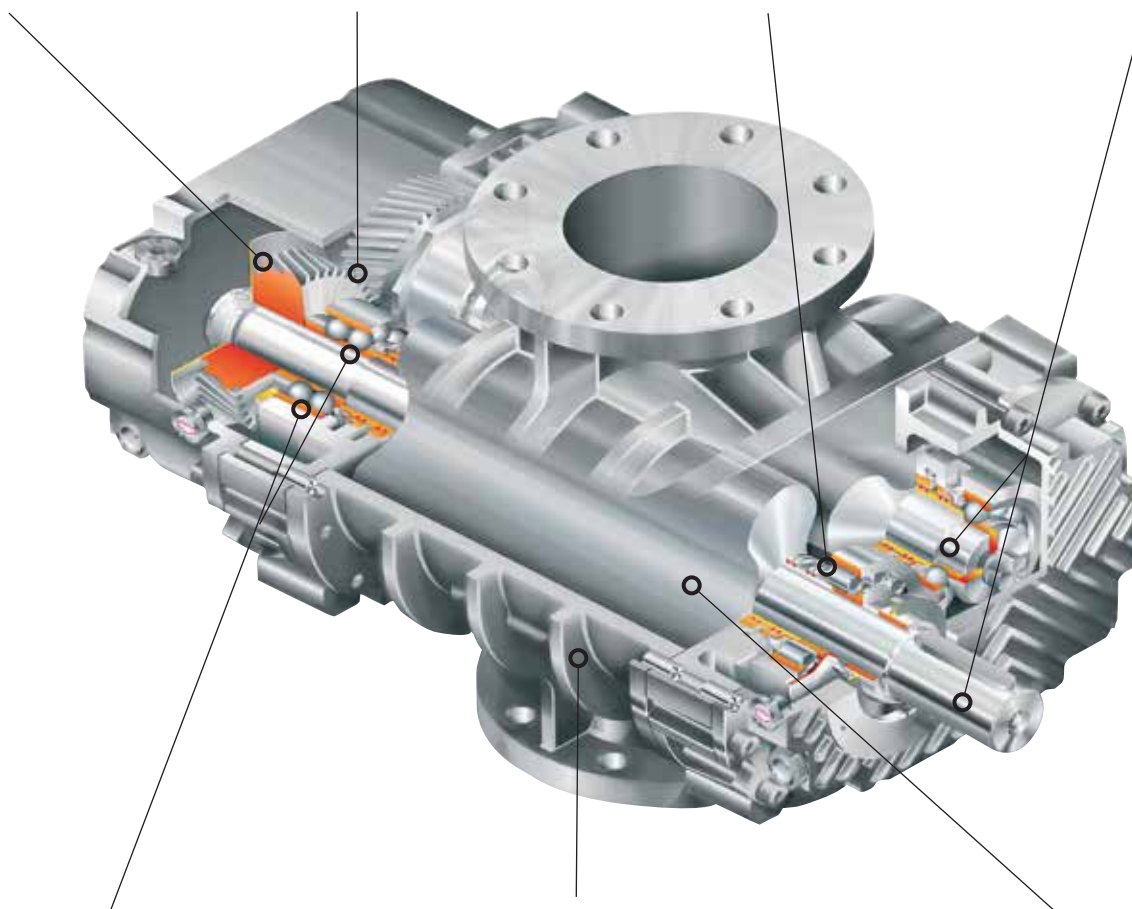
Helical timing gears for smooth and quiet operation at all speeds

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

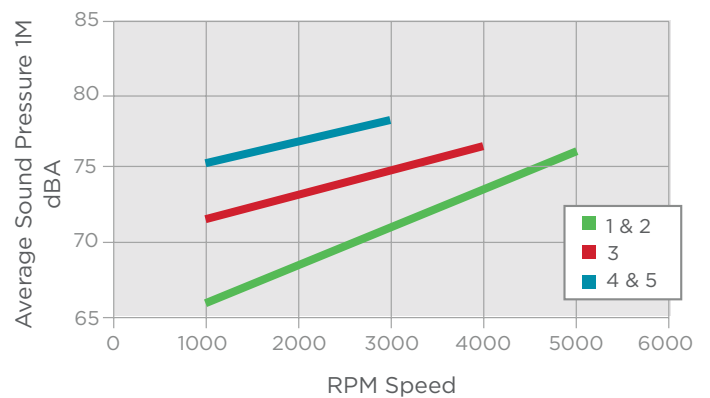
Quiet Operation

- 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

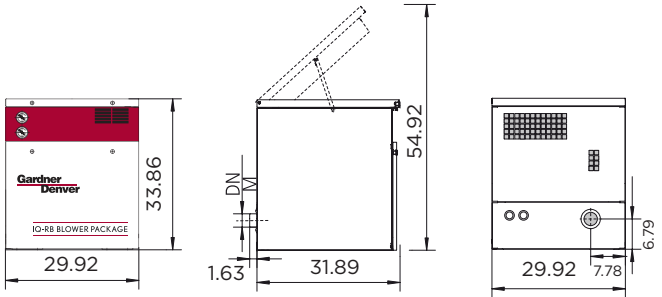
Performances related to atmospheric air: absolute pressure 14.7 psi, temperature 68° F, relative humidity 36%



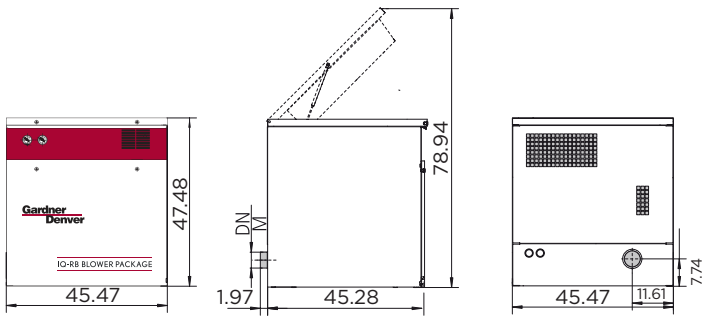
IQ-RB DIMENSIONS



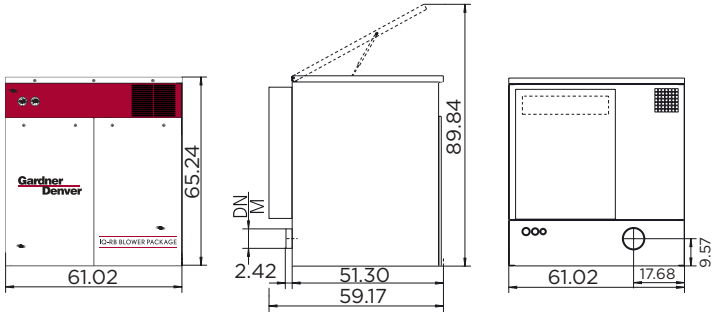
1
FRAME



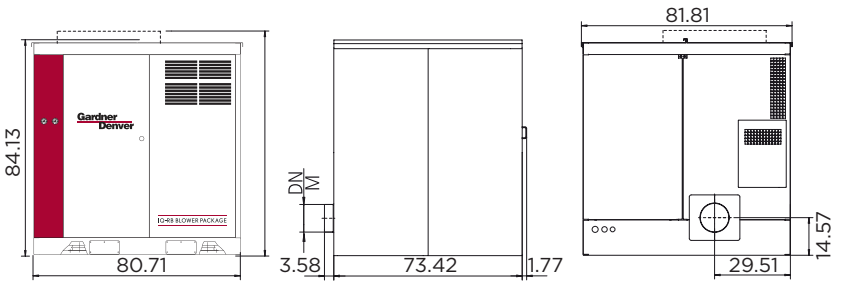
2
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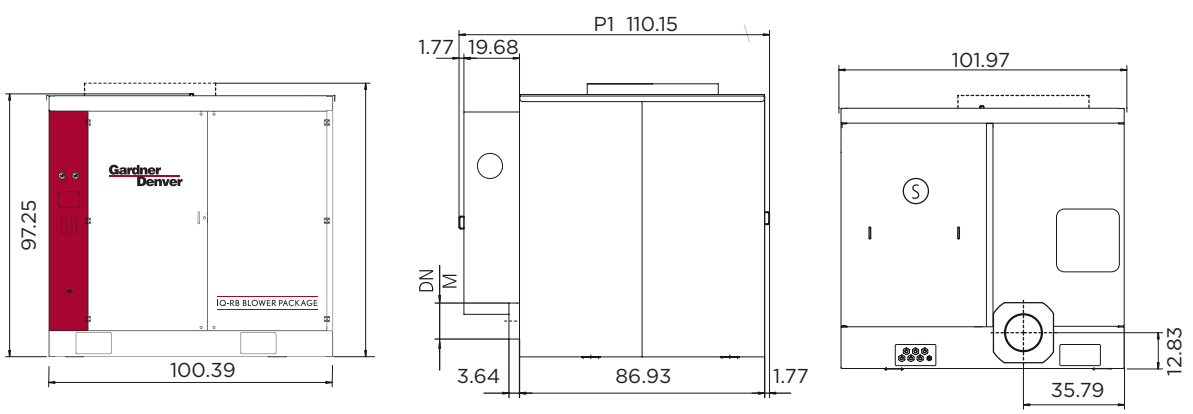
3
FRAME



4
FRAME



5
FRAME



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[®]

Gardner Denver, Inc.

1800 Gardner Expressway
Quincy, IL 62305
866-428-4890

www.gardnerdenver.com/gdproducts



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 Please recycle after use.