



POSITIVE DISPLACEMENT

Industrial Blowers



It's all about...

the NETWORK





We're Where You Need Us

It's all about...

the RANGE

Gardner Denver provides more technology styles than anyone else.

This means **YOU** can tailor technologies to **YOUR** needs.

Bi-Lobe



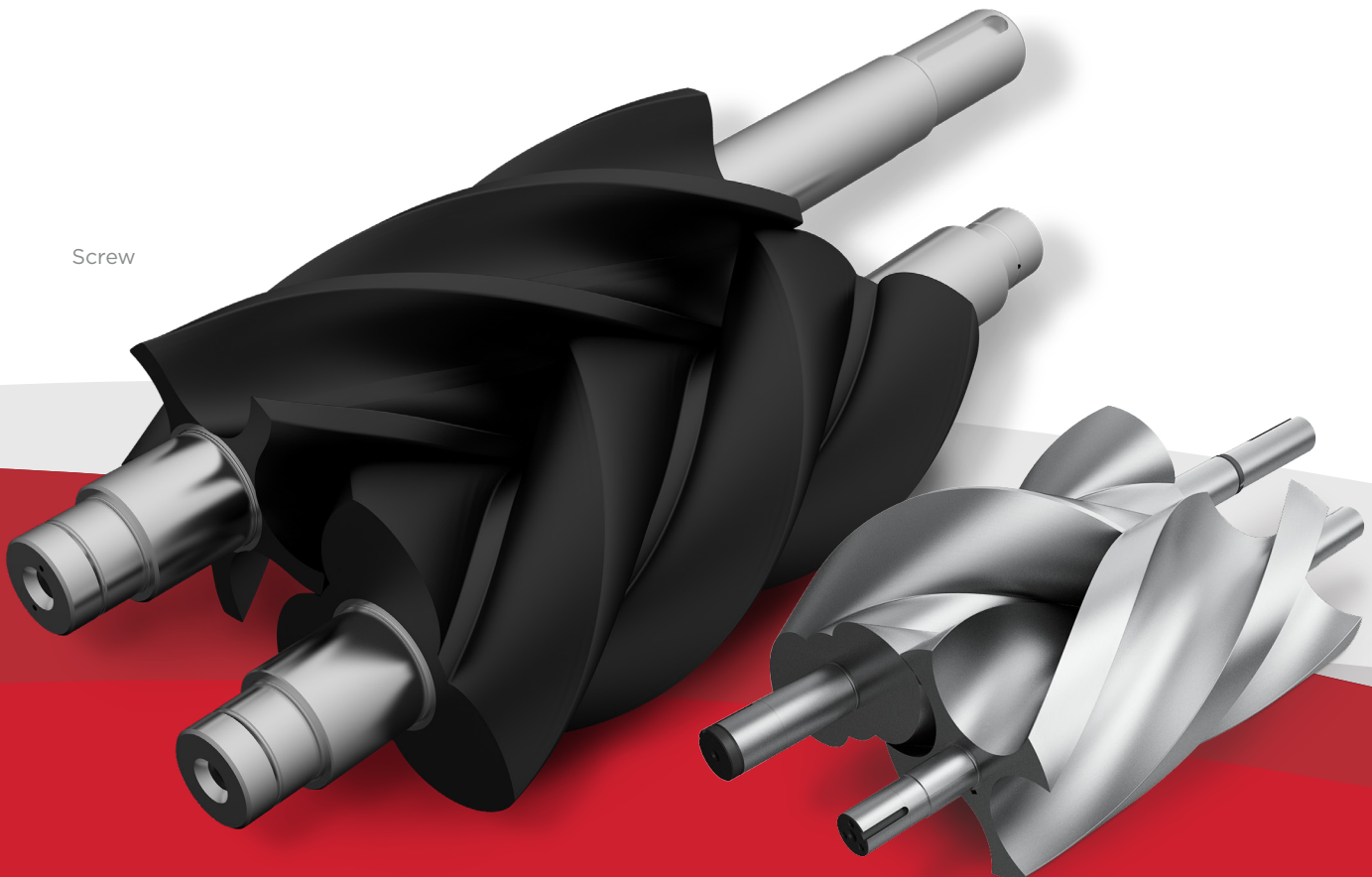
Tri-Lobe



Twisted Tri-Lobe



Screw

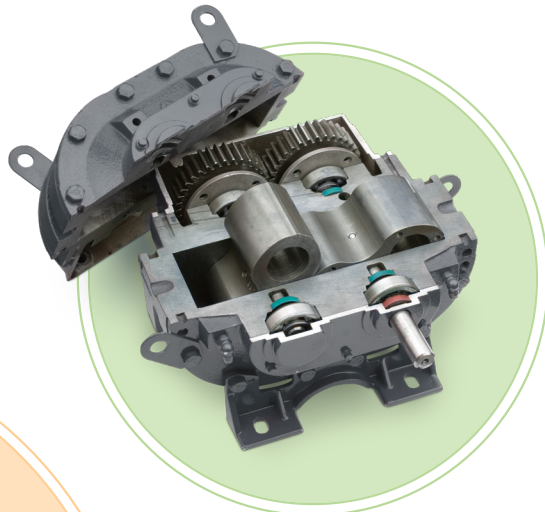


A word cloud centered around the word 'Range'. The word 'Range' is the largest and most prominent, rendered in a bold red font. Surrounding it are various other words in different sizes, colors (red and grey), and orientations. The words include: 'Opportunity', 'Efficiency', 'Mix', 'Option', 'Choice', 'Reliability', 'Helical', 'Selection', 'Blend', 'Expansive', 'CycloBlower', 'Airend', 'Bi-Lobe', 'Tri-Lobe', 'DuroFlow', 'Sutorbilt', 'Quiet', 'Durable', 'Side Channel', 'Package', 'HeliFlow', 'Blend', 'Design', 'Conclusion', 'Technology', 'Screw', 'Benefit', 'Longevity', 'World-Class', and 'Solution'. The background features a decorative wavy pattern at the bottom, transitioning from light grey to a solid red band.

CycloBlower
Airend Bi-Lobe
Efficiency Mix
Opportunity Blend
Option Choice Reliability Helical
Selection
Range
Sutorbilt Quiet Durable
Side Channel Package HeliFlow Blend
Design Conclusion Technology Screw Benefit
Longevity
World-Class
Solution

It's all about...

your **NEEDS**



Cost

BI-LOBE

Selection
Tools

QUICKPIK

YO
NEE



IQ BLOWER
PACKAGE

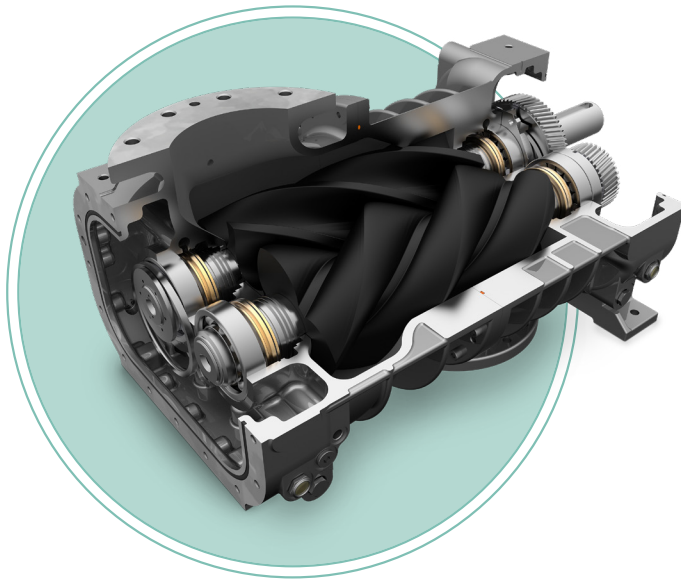
Package
Options



OUR
EDS

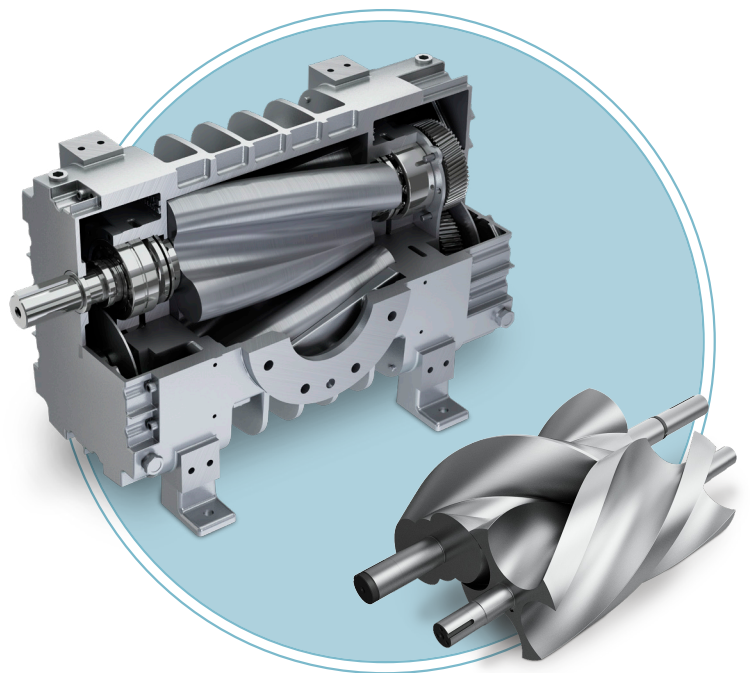
Energy
Savings

HELICAL
SCREW



Noise
Reduction

HELICAL SCREW
& TRI-LOBE



Tough
Environments

SOLID
BI-LOBE

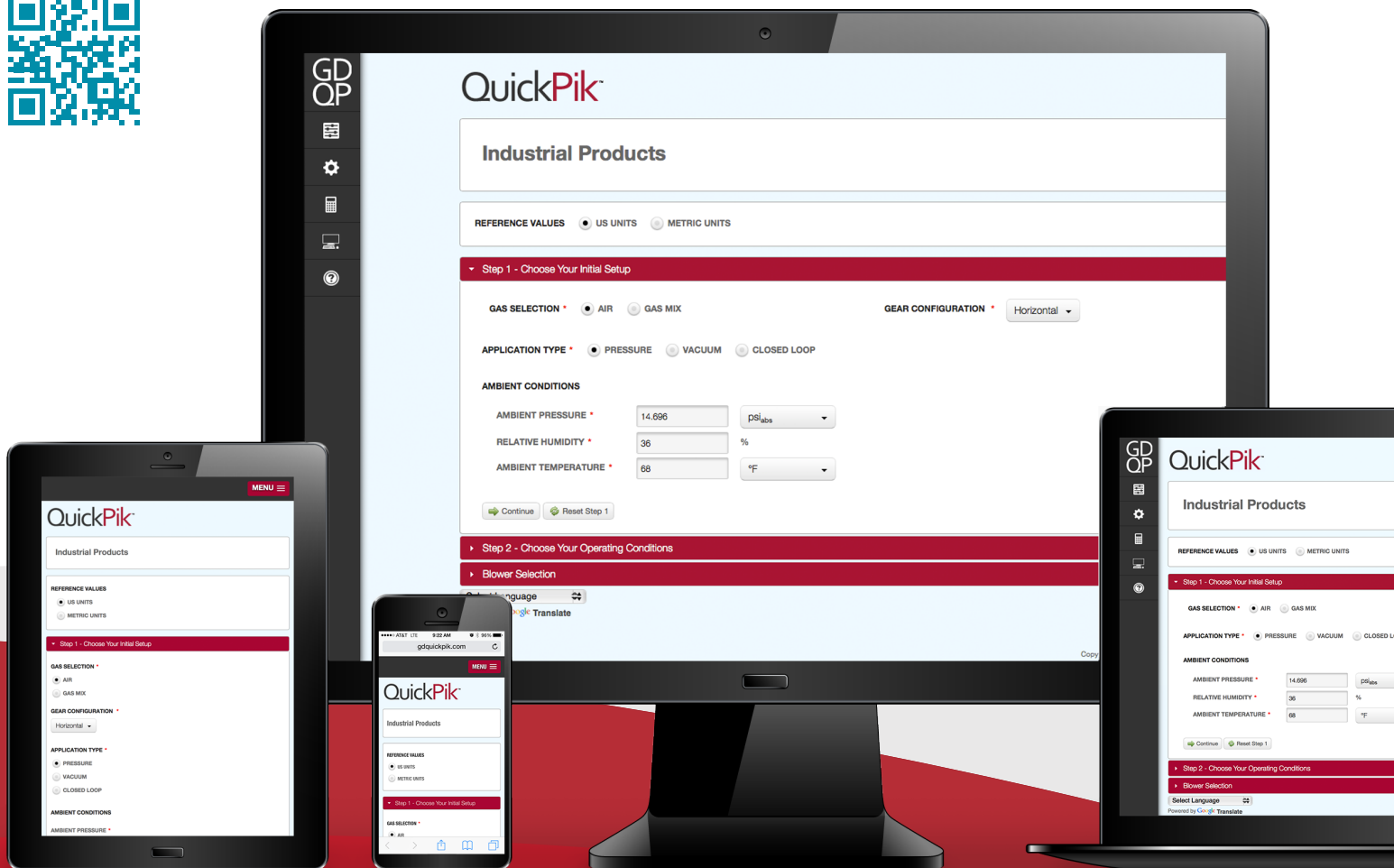


It's all about... the SIZING

QuickPik helps you customize our products to meet your demands.

Try it now!
Scan the QR code or visit:

www.GDQuickPik.com



CycloBlower - 5CDL9

[Download Performance Curves](#) [Find a Distributor](#)

Product Information

ORIGINAL UNITS

CONFIGURATIONS	FLOW ICFM	SPEED RPM	RPM % OF MAX	POWER HP	TEMP ° F	NOISE DBA	TEMP % OF MAX
Original	500	3536	71	30.0	194	87	55
Current	500	3536	71	30.0	194	87	55

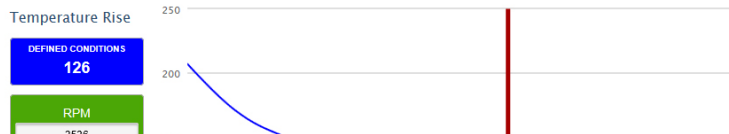
ENGLISH UNITS

CONFIGURATIONS	FLOW ICFM	SPEED RPM	RPM % OF MAX	POWER HP	TEMP ° F	NOISE DBA	TEMP % OF MAX
Original	500	3536	71	30.0	194	87	55
Current	500	3536	71	30.0	194	87	55

METRIC UNITS

CONFIGURATIONS	FLOW M³/H	SPEED RPM	RPM % OF MAX	POWER KW	TEMP ° C	NOISE DBA	TEMP % OF MAX
Original	850	3536	71	22.4	90	87	55
Current	850	3536	71	22.4	90	87	55

Performance Curves



Comparison

			
PRODUCT	CycloBlower - 5CDL9	Sutorbilt Legend - 7H	HellFlow - 412
FLOW ICFM	500	500	500
SPEED RPM	3536	1689	2541
RPM % OF MAX	71	82	56
POWER HP	30	31	32
DISCHARGE TEMP °F	194	201	214
NOISE DBA	87	92	82
DISCHARGE TEMP % OF MAX	55	59	61
PRESSURE % OF MAX	52	70	70

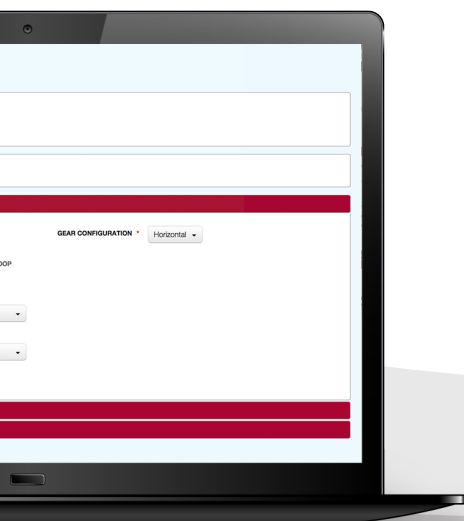
[View](#)

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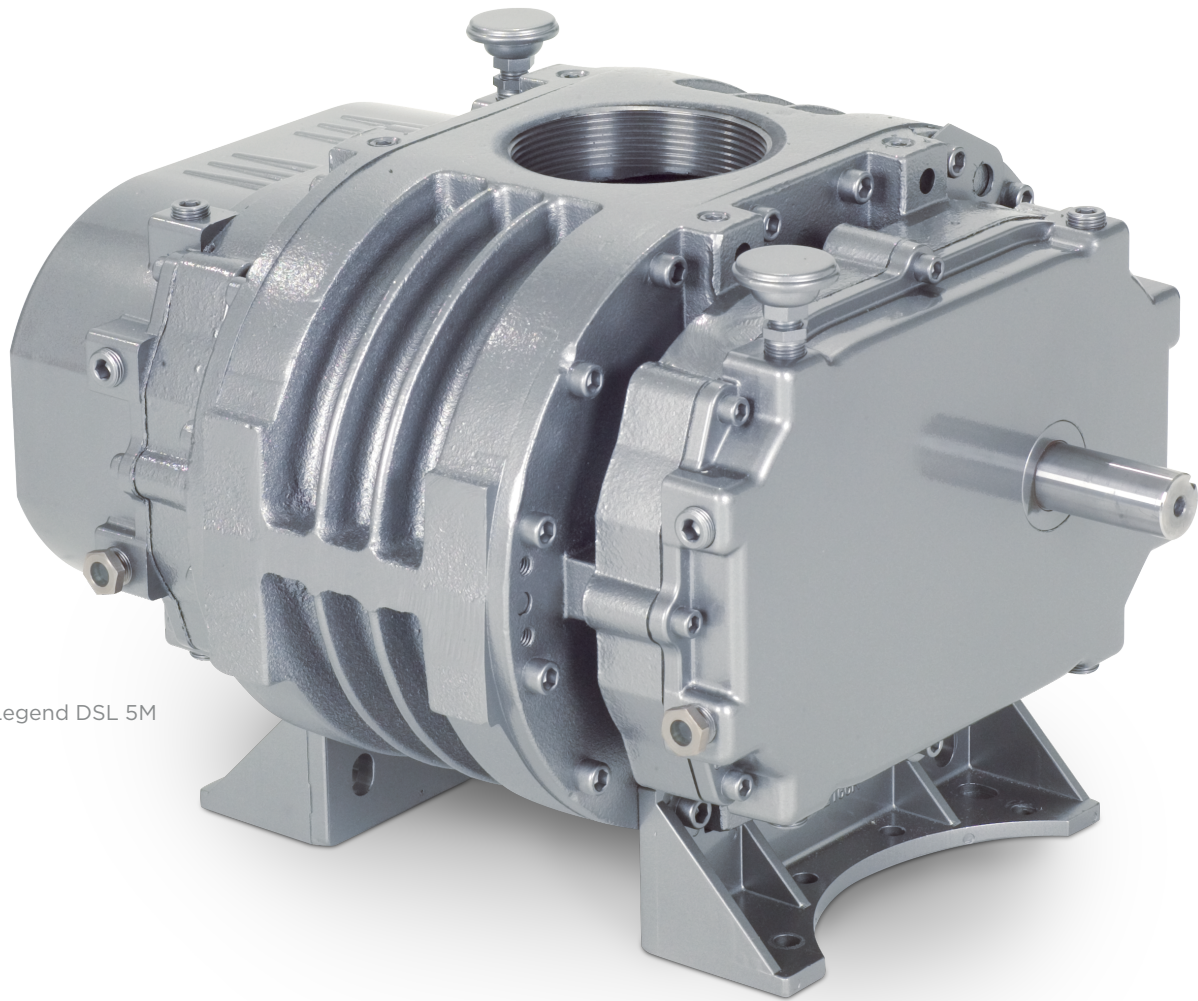
Sizing Made Simple

- Accessible information at your fingertips
- Compare & contrast blowers
- Fit technology to your exact needs
- Mobile-friendly design for your laptop, tablet & phone
- Will work off-line
- Set up and customize your profile
- Save selections for future reference

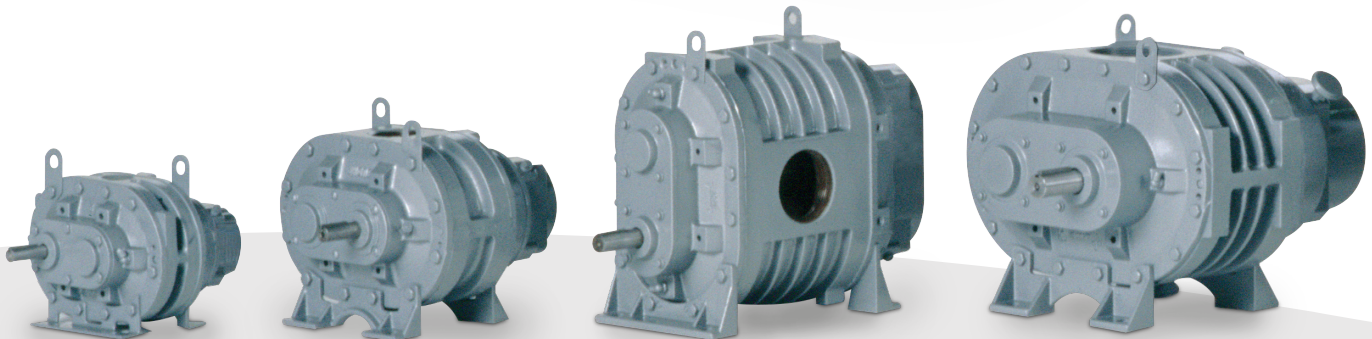


It's all about...

the SUTORBILT



Legend DSL 5M






2MP LHC

3MR RHC

4LVR BHC

5MR RHC

Technology	Specifications			
Bi-Lobe	UP TO			
	26,000	CFM		
	15	PSI		
	24	inHg		

The most versatile blower available!

Over 240 configuration options!

Gear Sizes	Legend 2-8"	DSL Legend 3-6"	4500 6-8"	8000 10-22"
Lubrication Options	Grease	Dual Splash	Dual Splash	Dual Splash Force Feed
Seal Options	Lip Mechanical	Lip Mechanical	Lip Mechanical	Lip Mechanical
Coating Options	Corrgard	Corrgard	Corrgard	Corrgard Nickel
Quiet Series Option	Yes	Yes	No	Yes
Wet Vacuum	No	No	No	Yes



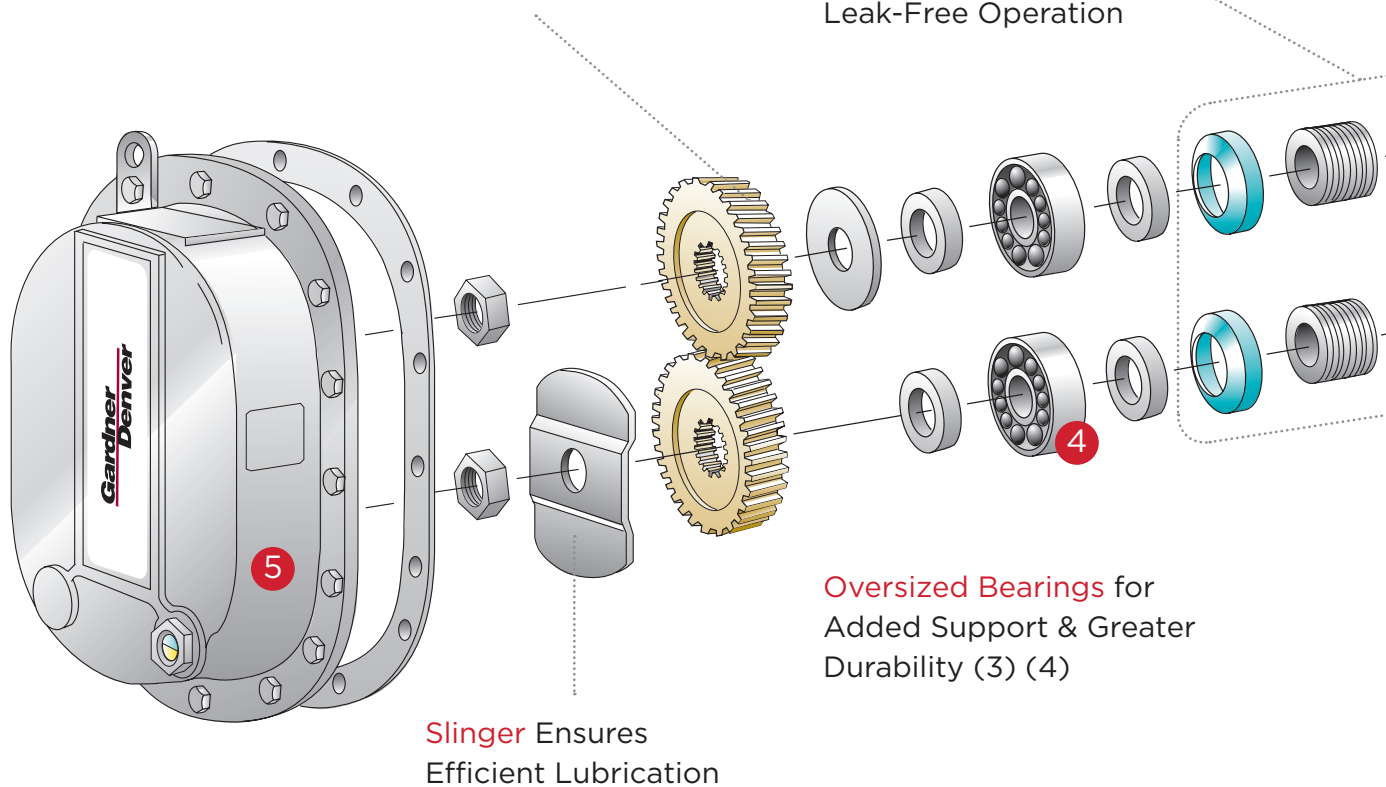
It's all about...

the DUROFLOW

Dual Splash Lubrication for Longer Product Life (5)

Shaft Splines Assure Non-Slip Rotor Timing (6)

Advanced
Oil & Air Seals Provide
Leak-Free Operation

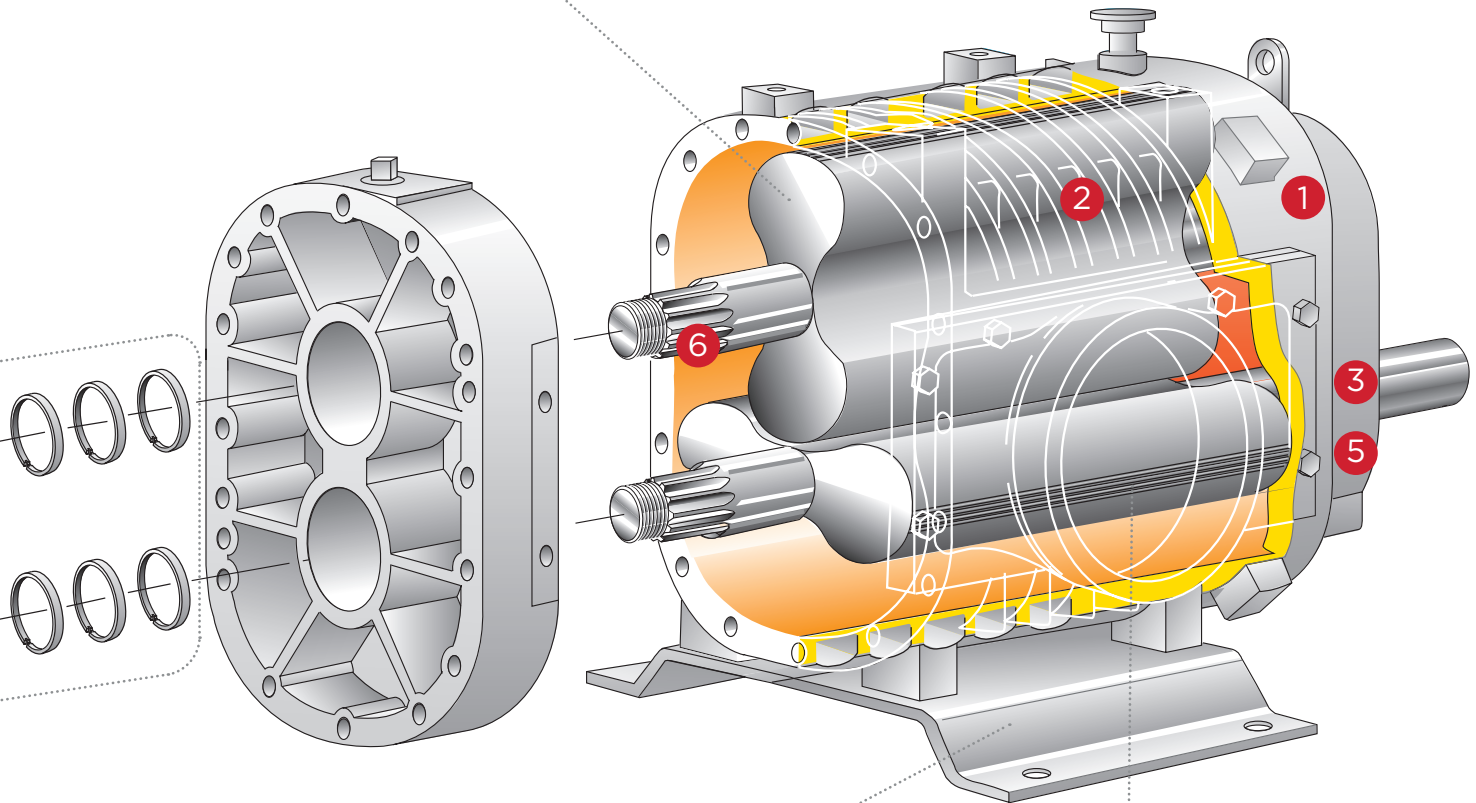


Technology	Specifications
Bi-Lobe	<p>UP TO</p> <p>4,300 CFM</p> <p>15 PSI</p> <p>16 inHg</p>

High-Strength, Ductile Iron
Cast **Solid Rotors** Eliminate
Potential for Vibration

Single Piece Cylinder
Prevents Distortion (1)

Integral Ribs for Cooler
Operating Temperatures &
Improved Performance (2)



Vertical or Horizontal
Mounting Configuration

Serrated Tips Reduce
Power Consumption



DuroFlow Tough

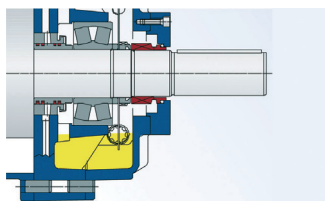
It's all about...

the RBS SERIES

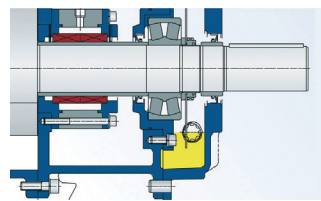
Available in 29 Sizes

Options

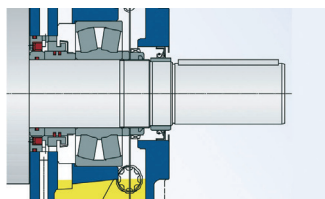
- Stainless Steel Options
- High Vacuum Options
- Force Feed Lubrication
- Pre-Package Availability
- Special Seal Options



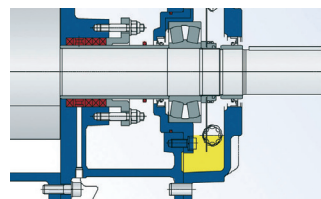
Single Mechanical Seal



Double Mechanical Seal



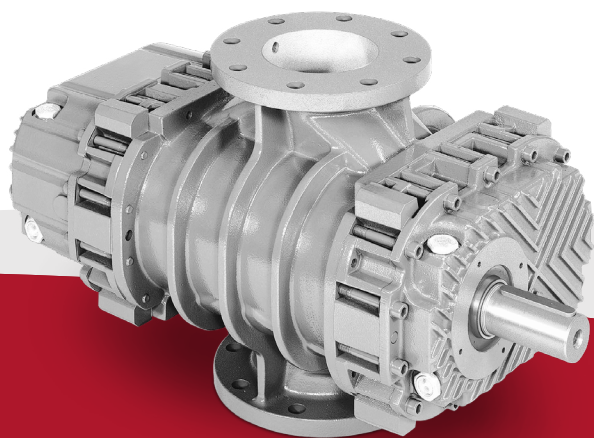
Lip Seal



Gland Seal

RBS SERIES

Technology	Specifications		
Tri-Lobe	UP TO		
	14,570	CFM	
	15	PSI	
	15	inHg	



- Solid Tri-Lobe rotors offer quiet, efficient operation
- Robust design for reliability
- Flexible mounting options for easy drop in replacement
- Dual splash lubrication
- 100,000 hour bearing life
- Increased efficiencies

Design Advantages

Dual Splash Lubrication

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

Helical Gears

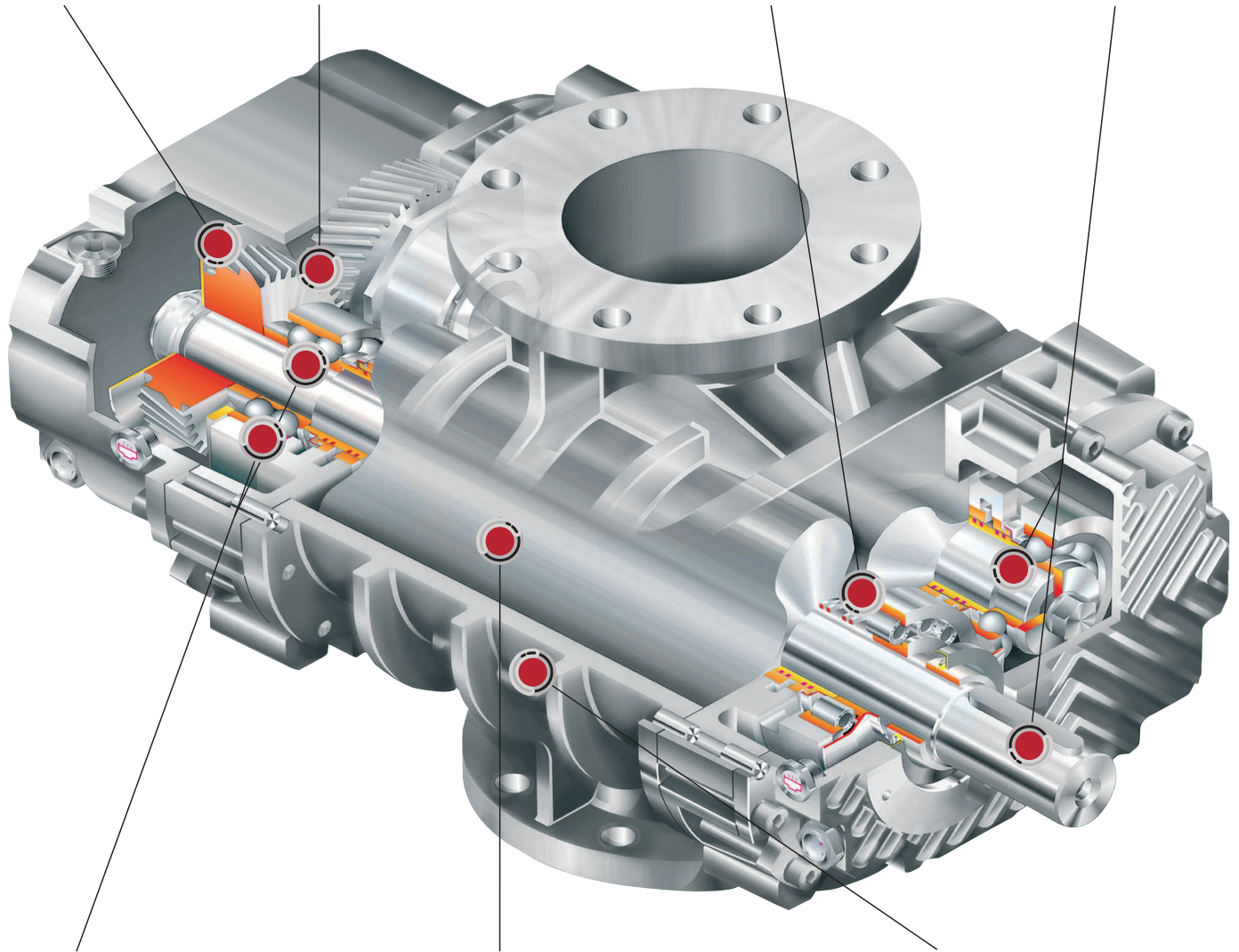
Helical timing gears for smooth and quiet operation at all speeds.

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.

Three-Lobe Rotors

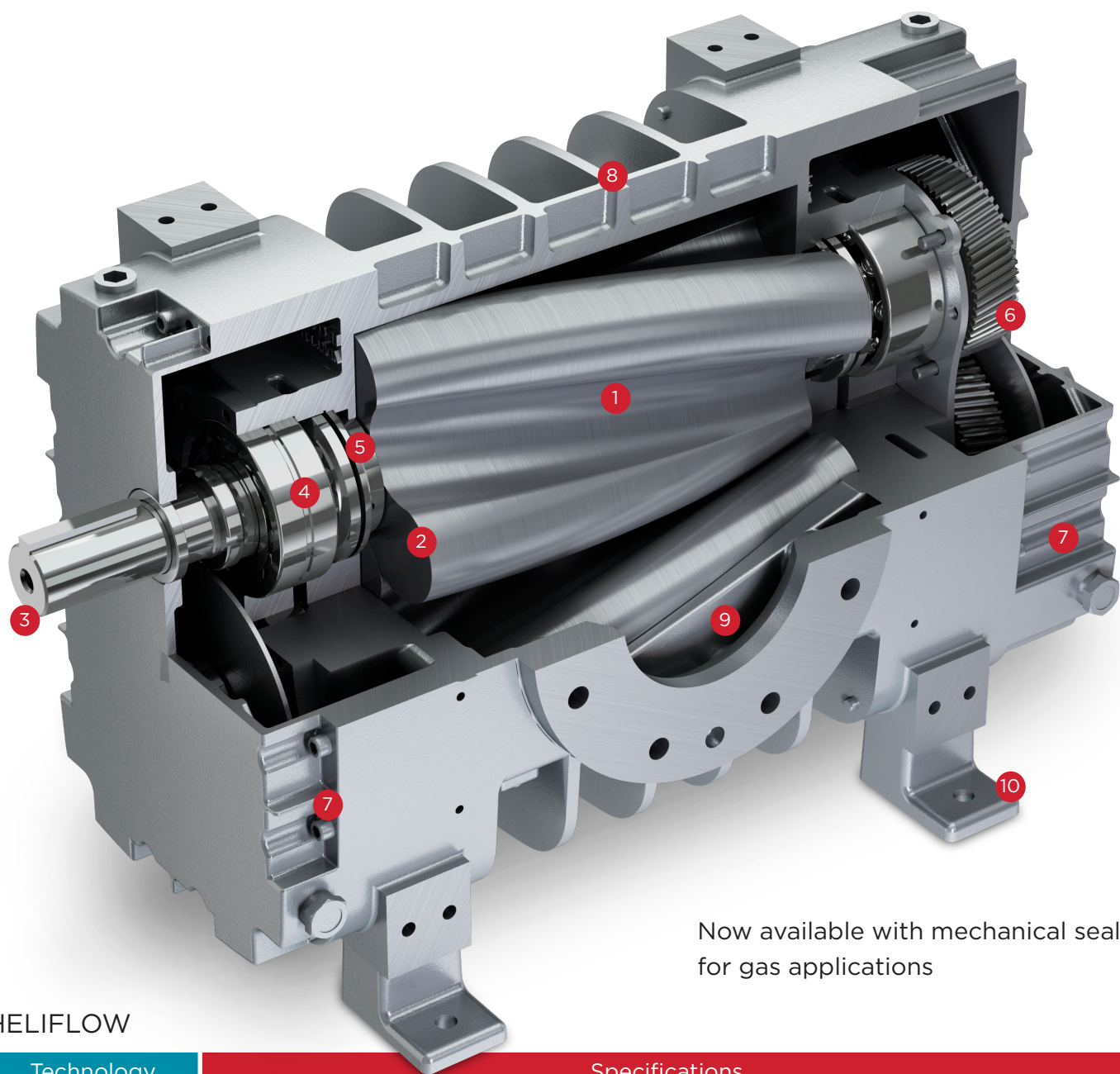
Involute Three-Lobe Rotors offer the highest performances and efficiencies.

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.

It's all about...

the HELIFLOW

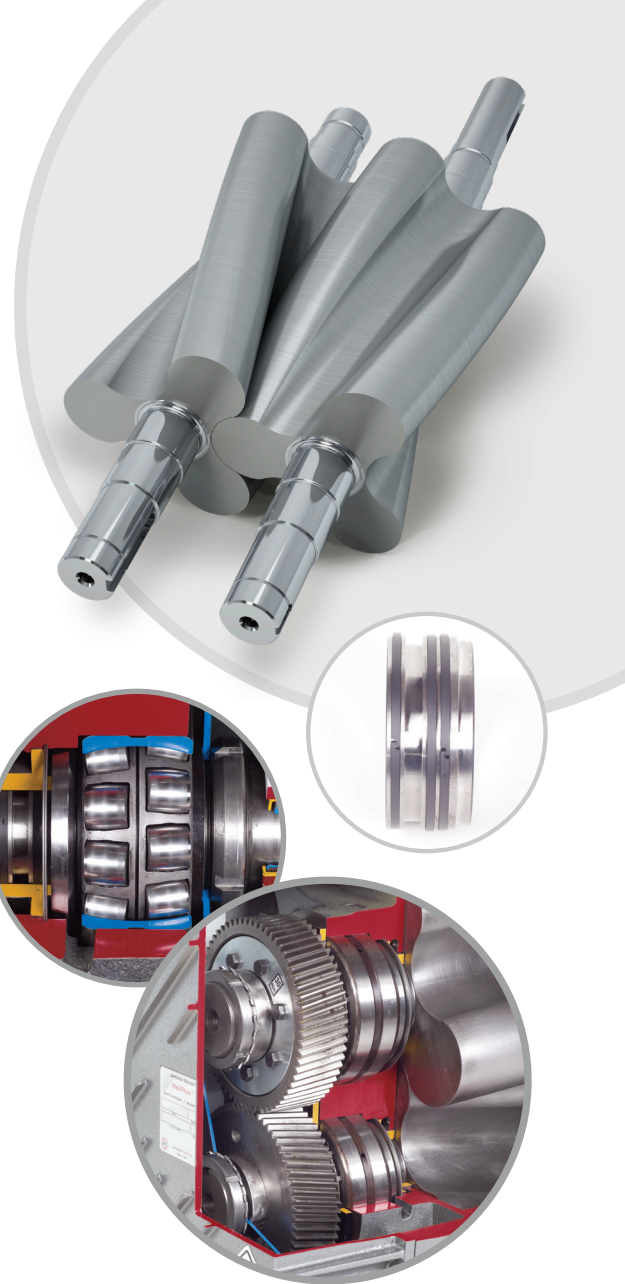


Now available with mechanical seals
for gas applications

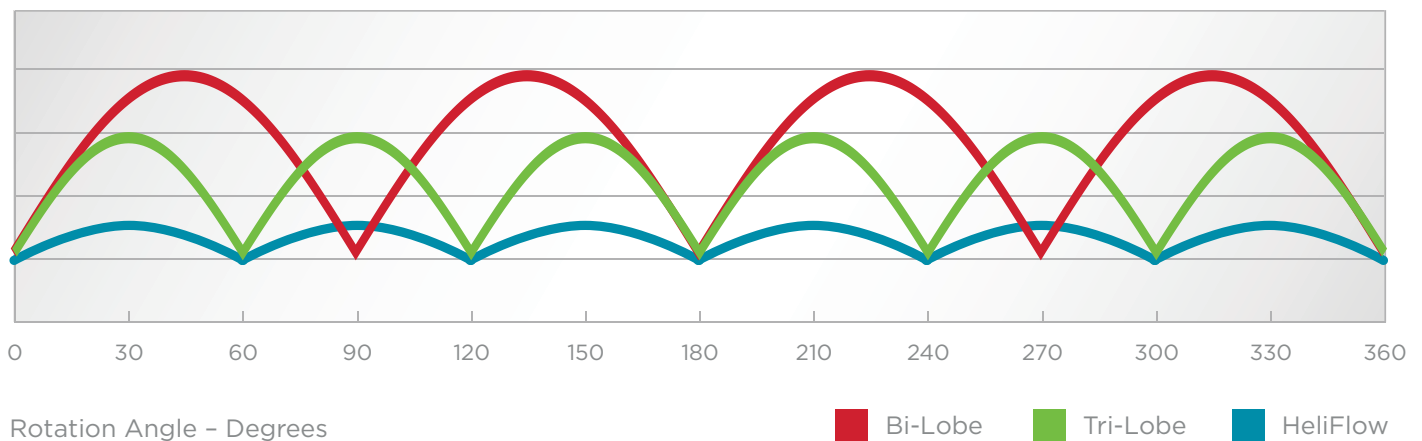
HELIFLOW

Technology	Specifications		
Twisted Tri-Lobe	UP TO		
	4,800	CFM	<div></div>
	15	PSI	<div></div>
	17	inHg	<div></div>

- 1 Helical rotor profile significantly reduces pulsations for quieter operation
- 2 Solid ductile iron rotor design eliminates potential for vibration due to build-up of ingested material in rotor cavities
- 3 Large diameter shafts provide superior overhung load capacity
- 4 Oversized spherical roller bearings for superior reliability
- 5 Advanced piston ring oil and air seals provide leak-free operation
- 6 Helical alloy steel timing gears provide quiet and smooth mechanical operation at all speeds
- 7 Dual splash lubrication for reduced maintenance intervals and superior durability
- 8 Single piece cylinder with large external fins for heat dissipation and structural integrity
- 9 Unique triangular tuned ports and extra cylinder mass provides greater strength and noise attenuation
- 10 Flexible design allows mounting feet to be attached inward or outward giving it the ability to connect units in a variety of configurations



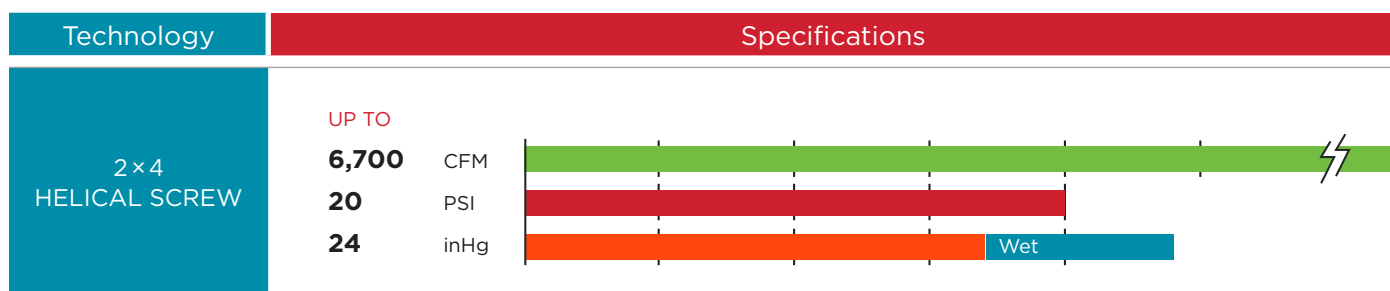
REDUCED PULSE = LOWER NOISE = QUIETER OPERATION



It's all about...

the CYCLOBLOWER

In many comparable applications, the CycloBlower **operates more efficiently** than straight-lobe blowers



CycloBlower: Unique Screw Design

- Decades of proven results
- Quiet, shock-free compression
- Increased efficiencies over straight lobe blowers
- Dependable quality
- High capacity
- Energy savings made possible by screw design
- Ideal for continuous operation
- Can be used for dense phase applications
- Clean air/gas delivery
- Installation flexibility
- Low cost installation



It's all about...

the CycloBlower H.E.



TOTAL COST OF BLOWER OWNERSHIP

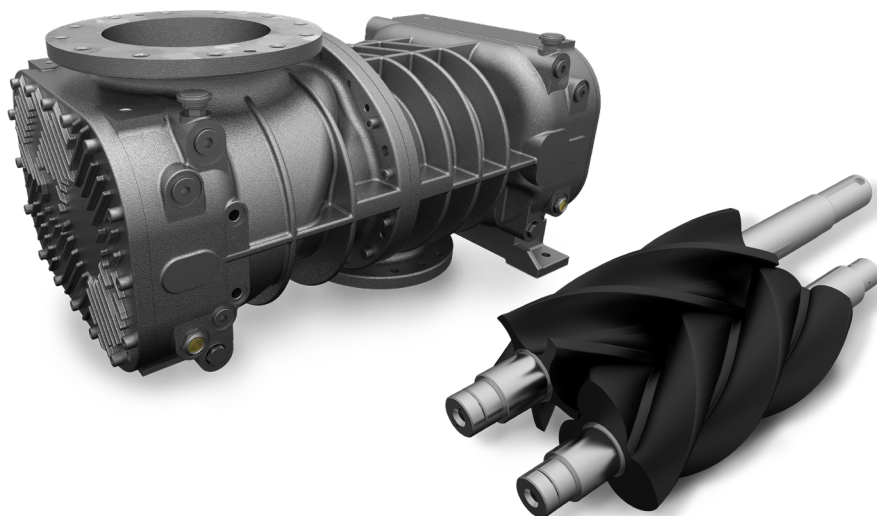
- Energy
- Maintenance
- Investment

- Energy consumption is typically the largest cost of ownership
- Save BIG with best-in-class energy efficiency
- Lower your bottom line, increase your profits

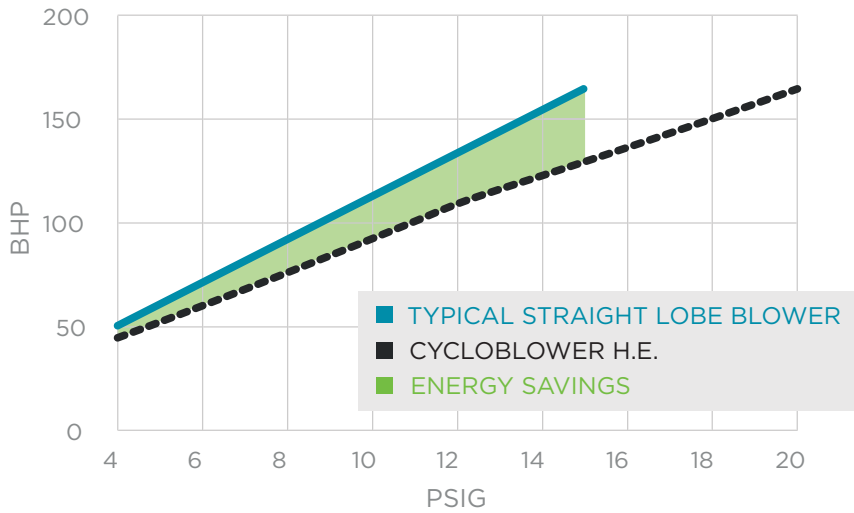
CYCLOBLOWER® H.E.

Technology	Specifications	
3×5 HELICAL SCREW	UP TO	
	3,900 CFM	
	36 PSI	
	22 InHg	

- Game-changing patented design
- Best-in-class energy efficiency
- Lower your bottom line, increase your profits
- Built with the best-of-the-best components
- Flexible options & installation



BRAKE HORSEPOWER REQUIREMENT COMPARISON at 2000 CFM



Innovation Working for You!

In many comparable applications, the CycloBlower operates more efficiently than other straight-lobe blowers. By requiring less brake horsepower (BHP) energy operating cost can be realized and greatly reduced.

INVEST WISELY
REDUCE ENERGY

Save Money

CYCLOBLOWER H.E. VS. STRAIGHT LOBE

BLOWER TECHNOLOGY	BHP USED @ 15 PSI	ENERGY COST PER YEAR
Standard Straight Lobe	163	\$106,695
CycloBlower H.E.	129	\$84,604

*Calculations based on the cost of providing 2,000 cfm of air for 8760 hours (1 year of 24/7 operation) assuming motor drive efficiency of 90% and electricity cost of \$0.09/kWh.

\$22,090

ANNUAL SAVINGS



It's all about...

the IQ BLOWER PACKAGES

Gardner Denver has more blower package options than anyone else

We can help you customize your system to meet your needs. More technology designs provides tailored options for you.

- Smart Design
- Easy Maintenance
- Compact Installation
- Quiet Operation
- Enclosed or Unenclosed Available
- Inverter Duty Motors for VFD Capabilities

IQ-RB

SIMPLE

Straight Tri-Lobe

Pressure to 15 PSI

Vacuum to 15 inHg

5,500 Max CFM

3-500 HP

Fixed Speed

Mechanical Gauges



IQ

SMART

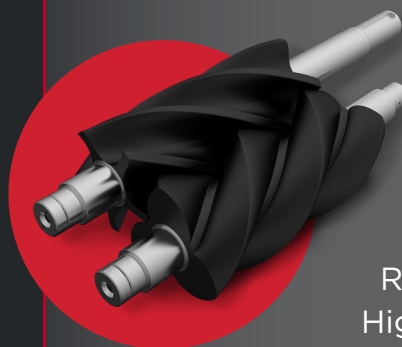
Twisted Tri-Lobe
Pressure to 15 PSI
Vacuum to 17 inHg
1,500 max CFM
7.5-100 HP
Fixed Speed or VFD
AirSmart Controller



IQ-HE

EFFICIENT

3x5 Helical Screw
Pressure to 36 PSI
5,625 Max CFM
7.5-500 HP
Fixed Speed
AirSmart G2 Controller



Patented
Rotor Profile
High Efficiency
up to 36 PSI



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

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