ARIEL CORPORATION

Ariel is the largest manufacturer of separable reciprocating gas compressors in the world, setting the standard in quality, reliability, and customer support.

Since 1966, Ariel has shipped over 60,000 compressors, with the majority still running today. In over 100 countries, Ariel maintains a reputation for safe, rugged and long-lasting equipment. Ariel compressors are designed, manufactured, and packaged to exceed your expectations.

We lead the world in the development of modern compression technology, with gas-cooled cylinders, high-speed, driver-rated design and market-driven innovation. When it comes to compression technology, we are determined to remain the compressor of choice.

Gas Compressor Applications

- **Acid Gas Injection**
- **Enhanced Oil Recovery**
- **Natural Gas Gathering**
- **Air and Nitrogen Injection**
- **Pipeline Transmission**
- **Gas Storage Injection Withdrawal**
- **Compressed Natural Gas (CNG)**
- **Biogas**
- **Refining, Petrochemical, and Industrial Gas**


Pipeline Transmission


Process (API 618)

24-Hour Regional Sales and Support

Supporting the ever-growing fleet is a network of Ariel professionals who are available 24/7. Ariel's engineering and technical service professionals are backed by a state of the art manufacturing group, that produces parts of the highest quality, for both new unit assembly and Genuine Ariel Parts support

- **North America:** 888.397.7766
- **Worldwide:** +1 740.397.3602



WORLD STANDARD COMPRESSORS

ARIEL CORPORATION
www.arielcorp.com
35 Blackjack Rd. Mount Vernon, OH 43050

Follow us

COMPANY OVERVIEW

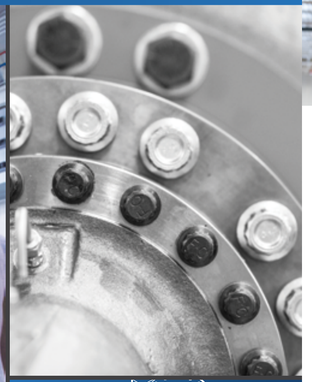
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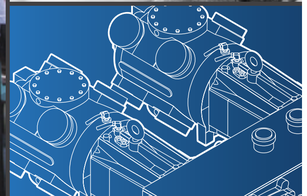
ARIEL CORPORATION

Company Overview

WORLD STANDARD COMPRESSORS








1


2


3

1: Ariel Response Center (ARC)

Ariel understands that today's world is driven by the need for immediate and accurate access to information. This is why we've created the Ariel Response Center. With over 101 years of combined Ariel experience in Assembly, Genuine Ariel Parts, and Manufacturing, our team's sole purpose is to assist our customers with compressor reconfiguration, operation, and maintenance issues.

2: The Ariel Training Center

Ariel believes the future success of our business and the compression industry depends on the ability to develop talent that will manufacture and maintain Ariel compressors. To facilitate the process of ongoing employee and customer development, Ariel has built a state-of-the-art training facility which incorporates classrooms, offices, meeting rooms, and three comprehensive training labs that house Ariel's expert training team.

3: Genuine Ariel Parts

Ariel compressors are proven to run longer and require less maintenance when they are maintained using Genuine Ariel Parts. We provide our customers with an industry leading extended warranty for compressors that continuously use 100 percent Genuine Ariel Parts. When you need replacement parts, demand Genuine Ariel Parts.



Ariel Mobile Apps

Ariel offers a variety of software and applications designed with you in mind. These offerings give you decision-support capabilities to maximize your compression efficiency, performance and reliability.

From Project Evaluation to Order Submission, Ariel provides the tools you need, when and where you need them.



Available on The App Store & Google Play

Download on the App Store | GET IT ON Google Play

ARIEL PRODUCT LINE

Ariel's world-class frames are available with configurable components throughout each line – ensuring the right fit for a wide variety of applications. From field gas gathering and gas storage to refinery and petrochemical applications, Ariel's unmatched flexibility gives our customers the ability to choose the best compression solution for their operation.

	2-Throw	4-Throw	6-Throw	Stroke	Max RPM
KBV		6,668 bhp	10,000 bhp	8.5 in	750
KBB		6,668 bhp	10,000 bhp	7.25 in	900
KBZ	2,600 bhp	5,200 bhp	7,800 bhp	6.75 in	1,000
KBU	2,600 bhp	5,200 bhp	7,800 bhp	5.75 in	1,200
JGF	2,070 bhp	4,140 bhp	6,210 bhp	5.0 in	1,200/1400
JGD	2,070 bhp	4,140 bhp	6,210 bhp	5.5 in	1,200
JGC	2,070 bhp	4,140 bhp	6,210 bhp	6.5 in	1,000
KBT	1,840 bhp	3,680 bhp	5,520 bhp	5.0 in	1,500
KBK	1,840 bhp	3,680 bhp	5,520 bhp	6.0 in	1,200
JGT	1,300 bhp	2,600 bhp	3,900 bhp	4.5 in	1,500
JGK	1,270 bhp	2,540 bhp	3,810 bhp	5.5 in	1,200
JGE	1,070 bhp	2,140 bhp	3,210 bhp	4.5 in	1,500
JGH	680 bhp	1,360 bhp		4.5 in	1,200
JGJ	620 bhp	1,240 bhp	1,860 bhp	3.5 in	1,800
JGR	430 bhp	860 bhp		4.25 in	1,200
JGA	280 bhp	560 bhp	840 bhp	3.0 in	1,800
JG	252 bhp	504 bhp		3.5 in	1,500
JGQ	280 bhp			3.0 in	1,800
JGN	252 bhp			3.5 in	1,500
JGP	170 bhp			3.0 in	1,800
JGM	170 bhp			3.5 in	1,500
KB100 *Configured for CNG	100 bhp			3.0 in	1,800

KBK/4 COMPRESSOR SPECIFICATIONS

Rated Power (bhp / kW)

3,680 / 2,744

Stroke (in / mm)

6 / 152

Max RPM

1,200

Tension Rod Load (lbs / kN)

46,000 / 205

Compression Rod Load (lbs / kN)

50,000 / 223

Total Rod Load (lbs / kN)

92,000 / 410

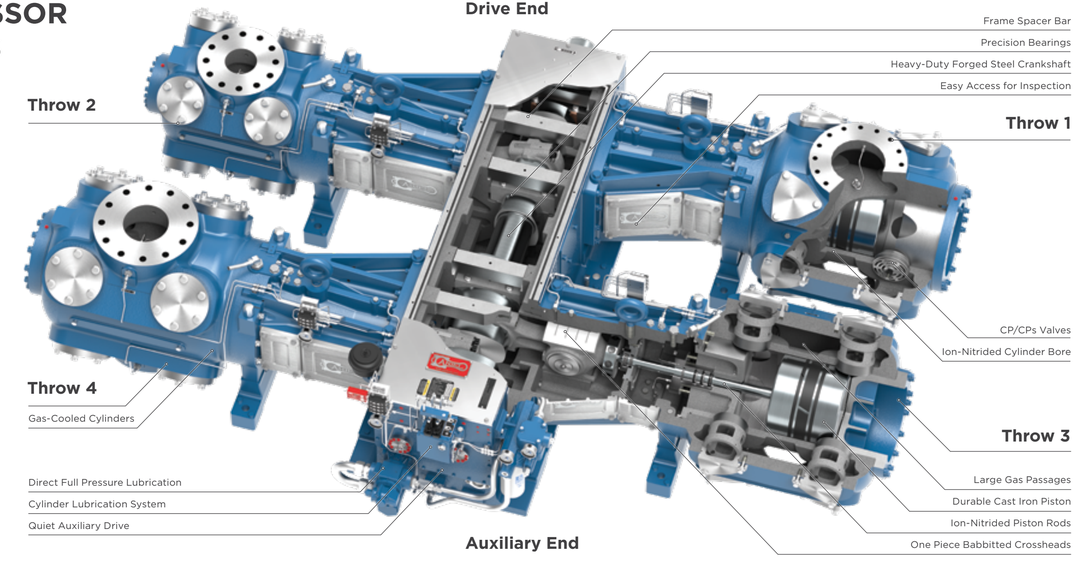
Piston Rod Diameter (in / mm)

2 / 51

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KBK/4

WORLD STANDARD COMPRESSORS



Commonly Used Applications ▶

Natural Gas Gathering

Designed, manufactured, and supported to meet the continuous operation requirement that the gas and oil industry demands. Select from a wide range of cylinder bore diameters and maximum allowable operating pressures that enable operation across a wide range of conditions.
Ariel = Compression



- "KB" style crosshead guide and frame provide increased stiffness.
- Primary / Secondary lubrication reduces the number of required no-flow shutdown devices.
- O-Ring side and top covers use fewer bolts, saving time during maintenance.
- Equipped with CP/CPs valve standard providing an optimum balance between operating efficiency and reliability.
- Designed with through-bolt cross head guide support
- Dual-chain drive is standard. Internal auxiliary end torsional damper is an available option.
- Integrated oil thermostat into filter head, providing easier access to auxiliary end.
- Equipped standard with thermowell for measuring lube oil temperature and an oil sampling valve.