

# BENDIX® BA-922® SAE UNIVERSAL FLANGE AIR COMPRESSOR

**High output compressed air generation for ultra demanding commercial & industrial applications.**

## Experience Counts

For generations, Bendix Commercial Vehicle Systems (Bendix) has been leading the way in air charging system experience and expertise. More fleets specify our hard-working products and systems than any other.

And now Bendix continues its legacy of quality and innovation by releasing the next generation of high-performance compressor options – the Bendix® BA-922® SAE Universal Flange Mount series.

## An Ideal Solution For A Wide Range Of Unique Applications

Utilizing standard SAE B and SAE C flanges, the Bendix® BA-922® SAE compressors are designed to address a wide variety of commercial and industrial applications. The clock-able front adapter allows the compressors to be easily mounted in several different positions depending on your requirements.

## Building On The Power Of The Bendix® BA-922® Compressor:

### High Air Delivery

A dependable workhorse, the Bendix BA-922 compressor provides maximum air delivery even at low speeds. Its high-output, two-cylinder design supplies 32 cfm (cubic feet per minute) displacement at 1,250 rpm (revolutions per minute). Power like this delivers the ability to recharge the system quickly and efficiently – even at low speeds – making it ideal for more demanding brake system applications. That's important, since high output results in lower duty cycle, and lower duty cycle means longer compressor life.

### High Thru-Drive

Unlike other high-air-output compressors, the Bendix BA-922 compressor's standard design is capable of powering a 25 horsepower accessory, while the SAE Universal Flange model incorporates a built in 9-tooth SAE A spline in the rear for an accessory pump or drive.

### Effective Cooling Systems

The cylinder head of this hard working unit provides lower discharge air temperatures by incorporating highly effective cooling surfaces, thus reducing carbon formation and producing higher air quality. Minimizing discharge temperature increases the service life of downstream air components, such as the air dryer and valves.

### Compact, Lightweight Design

Highly efficient, the Bendix BA-922 two-cylinder compressor replaces earlier four-cylinder designs. While its volume output is similar to the Bendix® Tu-Flo® 1400 compressor, the unit is 4½ inches shorter and weighs 33 percent less thanks to its optimized design and aluminum components. What's more, its compact size enables it to meet even the most demanding installation constraints in tight engine compartments without compromising its high-air-output capability.

**Ideal for niche industrial, agricultural and petroleum applications, the universal flange model . . .**

- ✓ **Features an adapter mount to meet SAE J744 hydraulic pump, engine & motor mounting, and drive dimensions standards;**
- ✓ **Can be mounted at several different angles depending on physical constraints and application necessities; and**
- ✓ **Is driven by an engine PTO, hydraulic motor, or electric motor. Belt drive version available with an overhung load adapter bearing.**



We're proud of our reputation as experts in air brake systems and leading-edge safety technologies in North America. No one understands the intricacies of the system like we do. By focusing on the entire system – not just one part – Bendix offers efficient, trouble-free operation plus a system that offers you:

- Reduced Maintenance
- Improved Performance
- Simple, Integrated Design
- Fewer Leak Points



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## Bendix Quality and Service Guaranteed

Bendix stands behind every compressor with complete warranty protection and a veteran technical support team to help you troubleshoot and resolve any air brake system challenges. In addition to the sales and service professionals you deal with face-to-face, there's an entire team working behind the scenes to produce top quality Bendix products on which you can depend. From all across our organization, rest assured you have nearly 85 years of practical experience hard at work for you.

## Typical Trucking Applications

- Bulk haulers
- Transit coaches
- Double/Triple combination vehicles
- Off-highway vehicles, including construction, mining, and agricultural models
- Refuse haulers
- Cement mixers

## Other Applications

- Marine engines & equipment
- Hydraulic pumps & manifolds
- Rail & Railway service
- Mining equipment
- Transmissions
- Gen sets

### Bendix® BA-922® SAE Universal Flange Compressor Specifications

Typical weight	60 lbs.
Number of cylinders	2
Bore Diameter	3.622 in. (95.005 mm)
Stroke	2.125 in. (53.970 mm)
Calculated displacement at 1250 RPM	31.7 CFM
Flow Capacity @ 1800 RPM & 120 PSI	25.2 CFM
Flow Capacity @ 3000 RPM & 120 PSI	38.4 CFM
Maximum recommended RPM	2000/3000 RPM B pad/C pad
Minimum coolant flow maximum RPM	2.0 Gals./Min.

#### Approximate horsepower required:

Loaded 1800 RPM at 120 PSIG	8.73 HP
Unloaded 1800 RPM	1.96 HP
Maximum inlet air temperature	170°F
Maximum discharge air temperature	350°F
Minimum oil pressure required	15 PSI
Minimum oil-supply line size	3/16" I.D.
Minimum unloader-line size	3/16" I.D.
Minimum governor cut-out pressure	120 PSI
Input drive	B pad: 15 tooth spline C pad: 14 tooth spline
Output drive	9 tooth SAE A female

English or metric thread options for fitting installation

## The Bendix® BA-922® SAE Universal Flange Air Compressor

### FEATURES

High air output

### BENEFITS

Provides ample air for more demanding applications

Effective cooling system

Effective cylinder head cooling results in very low discharge air temperature

Simple, two-cylinder configuration

Improves durability and reliability while reducing maintenance costs

Smaller size

Compact size to meet tight OE installation constraints

Lighter weight

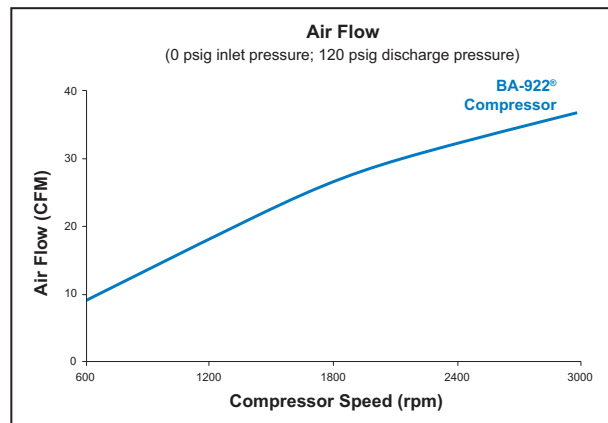
Improves vehicle fuel economy and performance



SAE B Flange



SAE C Flange



**Bendix® compressors provide the power that keeps you on the road, and the value that keeps you coming back.**

The Bendix BA-922 SAE Universal Flange compressor is part of the complete line of reliable, durable Bendix® air brake components that can help improve vehicle performance, increase efficiency, and reduce your overall operating costs. Learn More. Talk to your Bendix Account Manager, call 1-800-AIR-BRAKE (1-800-247-2725), or visit [www.bendix.com](http://www.bendix.com).