

# 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 CVS) has been leading the way in air charging system experience and expertise. More fleets specify our hard-working products and systems than any other.

Bendix CVS continues its legacy of quality, reliability and durability with a next generation high-performing, energy-saving compressor option – the Bendix® BA-922® SAE Universal Flange compressor.

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

Utilizing a standard SAE B Flange, and a 15-tooth BB spline for strength, the Bendix® BA-922® SAE compressor is designed to address a wide variety of commercial and industrial applications. Its clock-able front adapter allows the compressor to be easily mounted in several different positions depending on your requirement.

## 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 results in 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

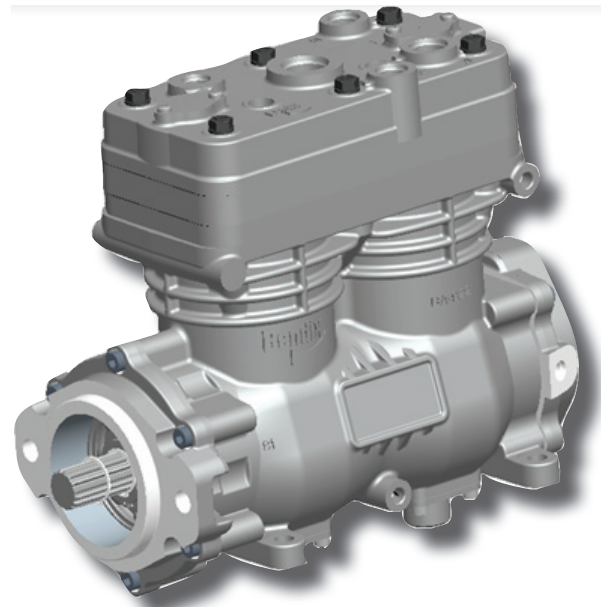
The cylinder head of this hard working unit provides lower discharge air temperatures by incorporating highly effective cooling surfaces, thus reducing carbon formation and producing higher air quality. Minimizing discharge temperature increases the service life of downstream air components, such as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



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 80 years of practical experience hard at work for you.

## Typical Trucking Applications

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

### 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	3000 RPM
Minimum coolant flow maximum RPM	2.0 Gals./Min.
<b>Approximate horsepower required:</b>	
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 Cutout Pressure	120 PSI
Input Drive:	15 tooth SAE Universal Flange spine (male or female)
Output Drive:	9 tooth SAE A female

English or metric threads 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

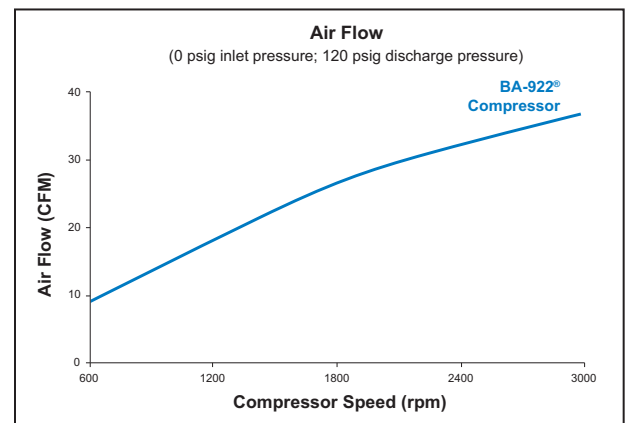
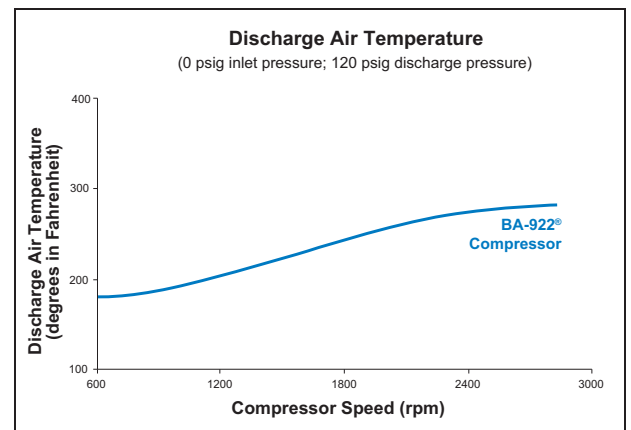
Improves durability and reliability while reducing maintenance costs

Smaller size

Compact size to meet tight OE installation constraints

Lighter weight

Improves vehicle fuel economy and performance



**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. Find out what Bendix air power can do for you. Talk to your Bendix Account Manager, call 1-800-AIR-BRAKE (1-800-247-2725), or visit [www.bendix.com](http://www.bendix.com).