

BENDIX® BA-922® AIR COMPRESSOR

High air output compressor for demanding transit vehicle applications.

Experience Counts

For generations the Bendix® name has meant quality, reliability and durability when it comes to your vehicle's air charging system. With transit vehicles becoming more sophisticated, and compressed air requirements increasing, Bendix offers this next generation high-performing, energy-saving compressor option.

High Air Delivery

The Bendix® BA-922® air compressor is unique because it provides high air delivery even at low speeds, a critical feature for urban transit routes. This compressor's ability to recharge the system quickly and efficiently at those low speeds makes it ideal for more demanding brake system applications, such as transit coaches that are often starting, stopping, lifting, etc. It is a high-output, two-cylinder compressor that supplies 32 cfm (cubic feet per minute) displacement at 1,250 rpm (revolutions per minute). 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® air compressor's standard design is capable of powering a 25 horsepower accessory at any speed. If your application requires higher thru-drive power – an option that may be possible – it will be necessary for you to consult with one of the experienced Bendix air compressor engineers.

Efficient Unloader Valving

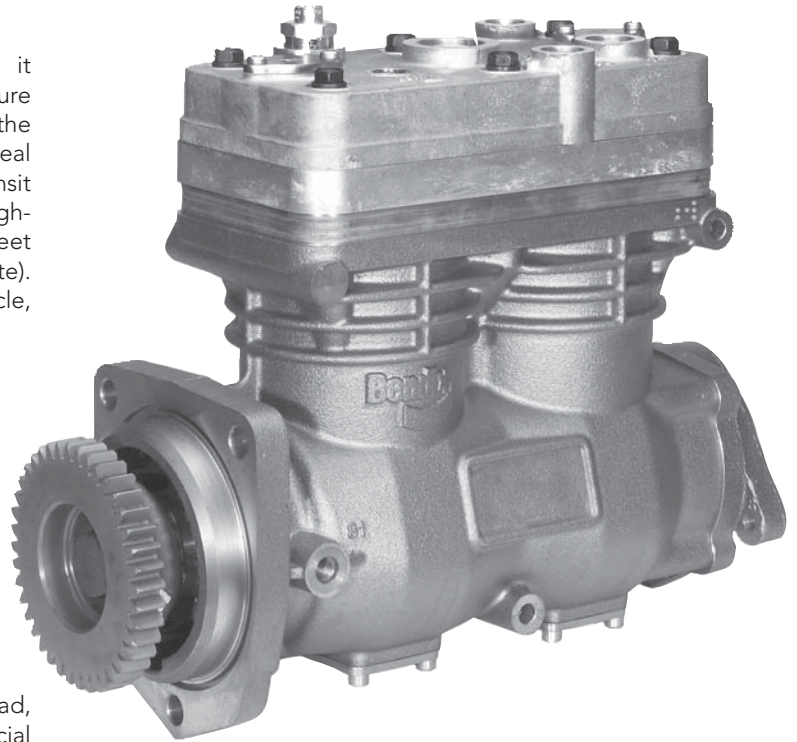
By incorporating integral unloader valving in the cylinder head, the powerful Bendix® BA-922® air compressor eliminates special valve requirements. This unique design not only reduces the number of ports, it also reduces unloaded horsepower draw.

Effective Cooling Systems

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

Compact, Lightweight Design

Highly efficient, the Bendix® BA-922® two-cylinder air compressor replaces earlier four-cylinder designs. While its volume output is similar to the Bendix® Tu-Flo 1400® air compressor, this smaller and lighter compressor is 4½ inches shorter and weighs 33 percent less due to its simpler design and extensive use of aluminum components. And its compact size enables it to meet OE installation constraints in tight engine compartments without compromising its high-air-output capability.



BENDIX® BA-922® AIR COMPRESSOR

Requirements

As the source of energy for a vehicle's air brake system and accessories, the Bendix® BA-922® air compressor is driven by the vehicle's engine and utilizes the vehicle's lubrication and cooling system. Because of these shared systems, regular vehicle maintenance, such as oil changes and coolant flushing, is critical. This vehicle maintenance – along with regular air brake system and air accessory maintenance – keeps the compressor running efficiently.

Experience Counts

Since 1924, the year our first compressor was installed on a commercial vehicle, Bendix has been leading the way in air charging system experience and expertise.

The secret to our success is simple... we offer you concentrated know-how unparalleled in the industry. As a member of the Knorr-Bremse group, we're part of the worldwide leader in air brake technology and practical application.

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, integrated, trouble-free operation along with a system that offers you:

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

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. From sales to service, engineering to production, the Bendix team has years of practical experience hard at work for you.

Bendix Compressors

- Reliable
- Long-Lasting
- High-Performing
- Energy-Saving
- Genuine Bendix Quality

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

The Bendix® BA-922® air compressor is one of the complete line of Bendix air brake components that can help improve vehicle performance, increase efficiency, and reduce your overall operating costs.

To find out more, talk to your Bendix representative, call 1-800-AIR-BRAKE (1-800-247-2725), or visit www.bendix.com today.

The Bendix® BA-922® Air Compressor

Features

High air output

Effective cooling system

Simple, two cylinder configuration

Smaller size

Lighter weight

Benefits

Provides ample air for demanding transit applications such as kneeling, air brake aux, etc.

Effective cylinder head cooling results in very low discharge air temperature

Improves durability and reliability while reducing maintenance costs

Compact size to meet tight OE installation constraints

Improves vehicle fuel economy and performance

Bendix® BA-922® Compressor Specifications¹

Typical Weight ²	64 lbs (29 kg.)
Number of cylinders	2
Swept air displacement @ 1,250 rpm	31.6 cfm
Maximum recommended rpm	3,000
Loaded HP required @ 1,250 rpm	6 hp
Unloaded HP required @ 1,250 rpm	2 hp
Thru-drive capacity ²	25 hp
Size (H x W x L) in inches ³	13.2 x 8.0 x 12.6
Compressor inlet maximum turbocharge boost (psig)	0 psig (Naturally Aspirated)

¹ Reference BW-121-A for the complete list of Bendix® BA-922® Compressor application requirements to ensure optimum operation.

² Indicates an application specific feature.

³ Measurements are taken the following way: Height, crankshaft centerline to top of cylinder head; Width, either widest section of cylinder head or crankcase belly; Length, between flange faces.

Note: All references to RPM are for the compressor operation.

	Engine		
	Series 50 CNG	Series 50 Diesel Series 60 non-EGR	Series 50 Diesel Series 60 non-EGR
ECM Position	Not Applicable	Rear	Side
Bendix® BA-922® Air Compressor	5013695X	5013695X	5013695X
Complete Retrofit Kit**	5015871	5016263	5016728
Kit includes the following:			
Compressor Fitting Kit	5016660	5016660	5016660
Plumbing Kit	5016661	5016661	5016661
CNG Only Kit	5016662	not required	not required
Diesel Only Kit	not required	5016664	5016664
Rear Support Bracket Kit	5016663	5016663	5016663
ECM Relocation Kit	not required	not required	5016250

**Complete retrofit kit contains all the detailed kits noted. It is not necessary to order individual kits unless applicable to your situation.