

# BENDIX® BA-3600™ AIR COMPRESSOR

## The Next Generation of Our Field-Proven Family of Bendix® BA Compressors.

Bendix has provided best-in-class air compressors for DD13® & DD15® engines since 2007. Building on that legacy, we are proud to release the BA-3600™ compressor, now standard on these engines.

### Making a great compressor even better

Bendix BA series compressors have a reputation for reliability, energy efficiency, long service life, and the lowest oil passing of any reciprocating compressor. The BA-3600 unit offers several important improvements including weight reduction, a smaller envelope, better efficiency, and lower oil passing.

### Big performance in a smaller package

#### High Air Delivery

The BA-3600 single cylinder air compressor provides consistent air delivery, even at lower speeds. The high-output, single cylinder design is rated for a “swept volume” of 360 cc/rev. Air delivery at 10 bar (145 psi), and 1,250 engine RPM is rated for 400L/min (15.8 CFM) or 500L/min (17CFM) at 1,650 engine RPM.

#### Lowest Oil Passing

Most new trucks are supplied with an oil coalescing-style air dryer that removes oil aerosols that can contaminate sensitive controls that rely on clean air. The best defense against excessive oil passing is to start with an air compressor that inherently passes very little oil. Bendix has invested in our compressor honing process and improved the cooling characteristics in the compressor head. What does that mean for you? Less thermal distortion and minimized oil passing, which improves system air quality and helps improve uptime for your vehicles.

#### Effective Cooling Systems

The BA-3600 unit has optimized the cooling capacity of the cylinder head and valve plate. Lowering the discharge air temperatures reduces carbon formation and produces higher quality air. Minimizing the discharge temperature also increases the service life of downstream air components, such as the air dryer and brake valves.



Features	Benefits
Efficient unloading system.	Reduced energy demand during idle.
Redesigned cooling head and valve plate.	Provides optimal head cooling to minimize carbon build up.
Low oil passing.	Minimizes harmful oil vapors from contaminating the air system.
Based on industry leading best-in-class design.	Lowest total cost of ownership (TCO).
Integrated safety valve.	Protects the head from excessive pressure overload.



## Compact, Lightweight Design

Highly efficient, the Bendix® BA-3600™ single-cylinder compressor weighs 14% less than its predecessor and has a 34% smaller dimensional envelope which provides for more space in the engine compartment.

## Thru-shaft Capability

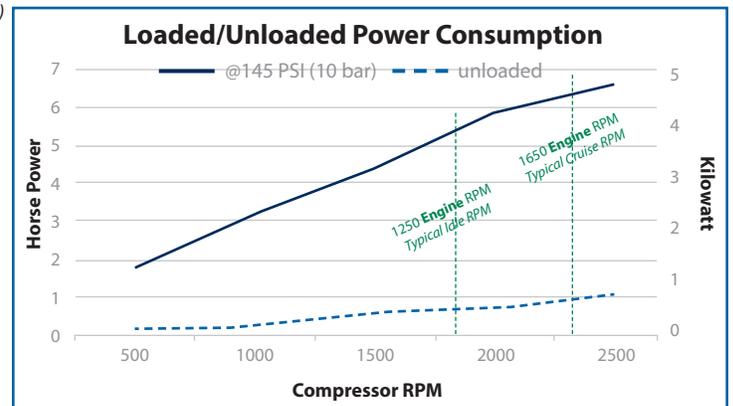
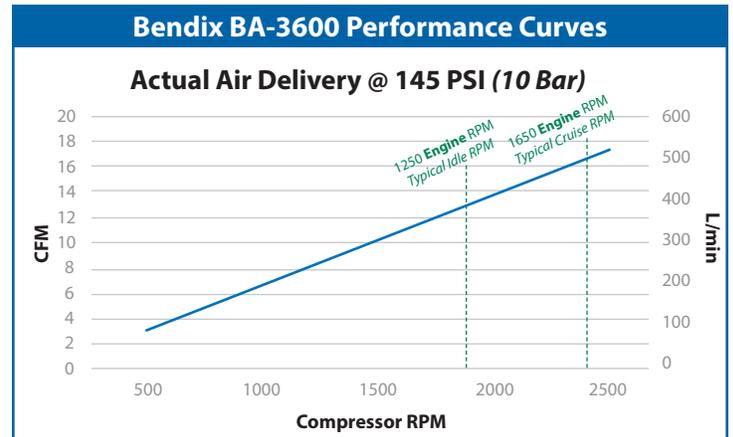
The BA-3600 is equipped with a standard thru-shaft SAE female 11-tooth spline mount for installing a power steering pump. Torque capability has been increased by 35% over the Bendix® BA-921®.

## BA-3600 Air Compressor Specifications

Calculated Swept Volume:	22 in <sup>3</sup> (360 cc)
Typical Weight:	32 pounds (14.5 kg)
Number of Cylinders:	1
Oil Passing:	0.3 g/hr
Thru-Drive Torque:	230 ft x lbs (170 Nm)
Calculated Displacement @ 1250 rpm:	15.8 CFM (448 L/min)
Calculated Displacement @ 1650 rpm:	17.0 CFM (482 L/min)
Flow Capacity-1800 RPM/145 PSI (10 bar):	13.4 CFM (380 L/min)
Approximate Horsepower Required:	
- Loaded @ 1800 RPM & 145 PSI (10 bar)	5.3 HP (3.9 kW)
- Unloaded @ 1800 RPM	0.6 HP (0.5 kW)
Minimum Coolant Flow @ Max RPM:	1.2 gal/min (4.55 L/min)
Maximum Inlet Air Temperature:	190° F (90° C)
Minimum Oil Pressure Required:	12 PSI (0.8 bar)
Minimum Unloader Line Size:	3/16" I.D.
Minimum Governor Cut-Out Pressure:	120 PSI (8.3 bar)

## 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 decades of practical experience hard at work for you.



Bendix Part No.	Description
K226470	OE Compressor (original release)
K226475	OE Compressor
K2106575C	SN Compressor
K210656	Reman Compressor
K203786	Unloader Kit
K039542	ST-4 Safety Valve



**The Bendix® BA-3600™ air compressor is one of the complete line of Bendix air brake components that can help improve vehicle performance, increase efficiency, and lower your TCO. For more information, contact your Bendix Account Manager, call 1-800-AIR-BRAKE (1-800-247-2725), or visit bendix.com today.**

