



AIR BRAKE COMPRESSORS



ALL-MAKES HEAVY-DUTY AIR BRAKE COMPRESSORS

Alliance Truck Parts has more than 40 product lines that serve the commercial transportation industry with reliable new and remanufactured parts and accessories for “all truck makes and all truck models” to keep trucks and buses on the road. All Alliance Truck Parts meet or exceed OES specifications for quality, fit and finish and are backed by a nationwide warranty², which means you don’t have to trade quality for price.

PARTS NUMBERING SYSTEM

The Alliance Truck Parts numbering system is set up systematically. All part numbers in this program contain the prefix ABP and N13AC (the company-assigned code for this program). The remaining digits are based on part and design.

Example – ABP N13AC OR3659

All parts in the catalog are set up with an Alliance Truck Parts number. In the back of this catalog, you will find an extensive cross-reference list. This will help link another manufacturer’s part to an Alliance ABP number.

WARRANTY

Alliance Truck Parts are backed by a 1-year/unlimited-mile standard warranty.

Illustrations and photographs used in this catalog may vary slightly from the actual product. Prototype samples are sometimes used for photography. The production parts may vary slightly.

Availability of products shown in this catalog is subject to change without notice.

¹For nearly all heavy-duty truck makes and models | ²See warranty for complete details and limitations.

1	AIR BRAKE COMPRESSORS	
	AIR BRAKE COMPRESSORS	4
2	CROSS-REFERENCE	
	CROSS-REFERENCE	7
3	APPLICATION GUIDE	
	APPLICATION GUIDE.....	12



AIR BRAKE COMPRESSORS

1

AIR BRAKE COMPRESSORS



FEATURES & BENEFITS

- Designed as a drop-in replacement to install and perform like the original equipment
- Completely new, no core to return
- Made in state-of-the-art ISO certified facility
- Proven design with thousands of hours of testing to ensure reliability
- Each Alliance brake air compressor is tested to make certain that pumping capacity meets or exceeds U.S. National Standards
- Precision ground crankshafts, triple “no blow-by” piston rings, and tight tolerance bearing journals provide dependable performance
- Cast iron case, stainless steel valves and brass PRVs offer long-lasting durability
- Each compressor includes gasket kit for ease of installation

SIGNS OF AIR BRAKE COMPRESSOR FAILURE

Signs that it may be time to replace an air brake compressor:

- Air pressure slow to build
- Compressor and air dryer purge valve cycling rapidly
- Compressor failing to unload
- Compressor safety valve failure

SPECIFICATIONS

COMPRESSOR SPECIFICATIONS	SINGLE CYLINDER	TWIN CYLINDER
Approximate Weight	37 lbs. (17 kg.)	53 lbs. (24 kg.)
Number of Cylinders	1	2
Displacement at 1250 RPM	15.8 CFM	16.5 CFM
Maximum Recommended RPM	3000 RPM	2400 RPM
Approximate Horsepower Required @ 1250 RPM @ 120 PSIG	3.2 HP	3.2 HP
Maximum RPM Turbocharge Limit	3000 RPM	1900 RPM
Maximum Pressure (gauge) Turbocharge Limit*	43.5 PSIG	30 PSIG
Maximum Inlet Air Temperature Turbocharge Limit	250°F (121°C)	250°F (121°C)
Thru-drive Capacity*	125 ft. lbs.	100 ft. lbs.

**indicates an application specific feature*

CROSS- REFERENCE

COMPETITOR P/N	ALLIANCE P/N
107506	ABP N13AC 3417958
107507	ABP N13AC 3074471
107509	ABP N13AC OR3659
5002713	ABP N13AC OR4740
5002983	ABP N13AC OR8442
5002984	ABP N13AC OR8340
5011016	ABP N13AC OR9756
5012533	ABP N13AC 20R0178
5014428	ABP N13AC 20R0177
745107507	ABP N13AC 3074471
5002984BXR	ABP N13AC OR8340
04625107506X	ABP N13AC 3417958
04625107507X	ABP N13AC 3074471
04625107509X	ABP N13AC OR3659
046255002713X	ABP N13AC OR4740
046255002983X	ABP N13AC OR8442
046255002984X	ABP N13AC OR8340
046255011016X	ABP N13AC OR9756
046255012533X	ABP N13AC 20R0178
046255014428X	ABP N13AC 20R0177
107506BXR	ABP N13AC 3417958
107506X	ABP N13AC 3417958
107507X	ABP N13AC 3074471
107509BXR	ABP N13AC OR3659
107509X	ABP N13AC OR3659
131-6679	ABP N13AC OR8340
164-7559	ABP N13AC OR9756
164-7564	ABP N13AC OR4740
164-7565	ABP N13AC OR3659
164-7566	ABP N13AC OR8442
175107506X	ABP N13AC 3417958
175107507X	ABP N13AC 3074471
175107509X	ABP N13AC OR3659
1755002713X	ABP N13AC OR4740
1755002984X	ABP N13AC OR8340
185-5145	ABP N13AC OR8442
20R-0177	ABP N13AC 20R0177
20R-0178	ABP N13AC 20R0178
385-0936	ABP N13AC 20R0177
385-0937	ABP N13AC 20R0178

COMPETITOR P/N	ALLIANCE P/N
4P-0676	ABP N13AC OR3659
5002713BXR	ABP N13AC OR4740
5002713X	ABP N13AC OR4740
5002983BXR	ABP N13AC OR8442
5002983X	ABP N13AC OR8442
5002984X	ABP N13AC OR8340
5011016BXR	ABP N13AC OR9756
5011016X	ABP N13AC OR9756
5012533BXR	ABP N13AC 20R0178
5012533X	ABP N13AC 20R0178
5014428X	ABP N13AC 20R0177
53107506X	ABP N13AC 3417958
53-107506X	ABP N13AC 3417958
535002713X	ABP N13AC OR4740
53-5002713X	ABP N13AC OR4740
745107506X	ABP N13AC 3417958
745-107506X	ABP N13AC 3417958
745-107507	ABP N13AC 3074471
745107507X	ABP N13AC 3074471
745-107507X	ABP N13AC 3074471
745107509X	ABP N13AC OR3659
745-107509X	ABP N13AC OR3659
7455002713X	ABP N13AC OR4740
745-5002713X	ABP N13AC OR4740
7455002984X	ABP N13AC OR8340
745-5002984X	ABP N13AC OR8340
7455011016X	ABP N13AC OR9756
745-5011016X	ABP N13AC OR9756
7455012533X	ABP N13AC 20R0178
745-5012533X	ABP N13AC 20R0178
745X107506	ABP N13AC 3417958
745X-107506	ABP N13AC 3417958
745-X107506	ABP N13AC 3417958
745X107507	ABP N13AC 3074471
745X-107507	ABP N13AC 3074471
745-X107507	ABP N13AC 3074471
745X107509	ABP N13AC OR3659
745X-107509	ABP N13AC OR3659
745-X107509	ABP N13AC OR3659
745X5002713	ABP N13AC OR4740

COMPETITOR P/N	ALLIANCE P/N
745X-5002713	ABP N13AC OR4740
745X5002984	ABP N13AC OR8340
745X-5002984	ABP N13AC OR8340
745X5011016	ABP N13AC OR9756
745-X5011016	ABP N13AC OR9756
745X5012533	ABP N13AC 20R0178
745X-5012533	ABP N13AC 20R0178
BAR107506	ABP N13AC 3417958
BAR107507	ABP N13AC 3074471
BAR107509	ABP N13AC OR3659
BAR5002713	ABP N13AC OR4740
BAR5002983	ABP N13AC OR8442
BAR5002984	ABP N13AC OR8340
BAR5011016	ABP N13AC OR9756
BAR5012533	ABP N13AC 20R0178
BCV107506X	ABP N13AC 3417958
BDR5012533X	ABP N13AC 20R0178
BEN107506X	ABP N13AC 3417958
BEN107507X	ABP N13AC 3074471
BEN107509X	ABP N13AC OR3659
BEN5002713X	ABP N13AC OR4740
BEN5002983X	ABP N13AC OR8442
BEN5002984X	ABP N13AC OR8340
BEN5011016X	ABP N13AC OR9756
BEN5012533X	ABP N13AC 20R0178
BEX107506X	ABP N13AC 3417958
BEX107507X	ABP N13AC 3074471
BEX107509X	ABP N13AC OR3659
BEX5002713X	ABP N13AC OR4740
BEX5002983X	ABP N13AC OR8442
BEX5002984X	ABP N13AC OR8340
BEX5011016X	ABP N13AC OR9756
BEX5012533X	ABP N13AC 20R0178
BNE107507X	ABP N13AC 3074471
BNE5002713X	ABP N13AC OR4740
BNE5011016X	ABP N13AC OR9756
BR 107509X	ABP N13AC OR3659
BR 5002984X	ABP N13AC OR8340
BR107509X	ABP N13AC OR3659
BR5002984X	ABP N13AC OR8340

COMPETITOR P/N	ALLIANCE P/N
BW 5002984BXR	ABP N13AC OR8340
BW 04625107506X	ABP N13AC 3417958
BW 04625107507X	ABP N13AC 3074471
BW 04625107509X	ABP N13AC OR3659
BW 046255002713X	ABP N13AC OR4740
BW 046255002983X	ABP N13AC OR8442
BW 046255002984X	ABP N13AC OR8340
BW 046255011016X	ABP N13AC OR9756
BW 046255012533X	ABP N13AC 20R0178
BW 046255014428X	ABP N13AC 20R0177
BW 056647BXR	ABP N13AC 20R0177
BW 107506	ABP N13AC 3417958
BW 107506BXR	ABP N13AC 3417958
BW 107506X	ABP N13AC 3417958
BW 107507	ABP N13AC 3074471
BW 107507B1	ABP N13AC 3074471
BW 107507BXR	ABP N13AC 3074471
BW 107507X	ABP N13AC 3074471
BW 107509	ABP N13AC OR3659
BW 107509BXR	ABP N13AC OR3659
BW 107509X	ABP N13AC OR3659
BW 175107506X	ABP N13AC 3417958
BW 175107507X	ABP N13AC 3074471
BW 175107509X	ABP N13AC OR3659
BW 1755002713X	ABP N13AC OR4740
BW 1755002984X	ABP N13AC OR8340
BW 2107507X	ABP N13AC 3074471
BW 25002984X	ABP N13AC OR8340
BW 25011016X	ABP N13AC OR9756
BW 5002713	ABP N13AC OR4740
BW 5002713BXR	ABP N13AC OR4740
BW 5002713X	ABP N13AC OR4740
BW 5002983	ABP N13AC OR8442
BW 5002983BXR	ABP N13AC OR8442
BW 5002983X	ABP N13AC OR8442
BW 5002984	ABP N13AC OR8340
BW 5002984X	ABP N13AC OR8340
BW 5011016	ABP N13AC OR9756
BW 5011016BXR	ABP N13AC OR9756
BW 5011016X	ABP N13AC OR9756

COMPETITOR P/N	ALLIANCE P/N
BW 5012533	ABP N13AC 20R0178
BW 5012533BXR	ABP N13AC 20R0178
BW 5012533X	ABP N13AC 20R0178
BW 5014428	ABP N13AC 20R0177
BW 5014428X	ABP N13AC 20R0177
BW 53107506X	ABP N13AC 3417958
BW 535002713X	ABP N13AC OR4740
BW 745107506X	ABP N13AC 3417958
BW 745107507	ABP N13AC 3074471
BW 745107507X	ABP N13AC 3074471
BW 745107509X	ABP N13AC OR3659
BW 7455002713X	ABP N13AC OR4740
BW 7455002984X	ABP N13AC OR8340
BW 7455011016X	ABP N13AC OR9756
BW 7455012533X	ABP N13AC 20R0178
BW 745X107506	ABP N13AC 3417958
BW 745X107507	ABP N13AC 3074471
BW 745X107509	ABP N13AC OR3659
BW 745X5002713	ABP N13AC OR4740
BW 745X5002984	ABP N13AC OR8340
BW 745X5011016	ABP N13AC OR9756
BW 745X5012533	ABP N13AC 20R0178
BW R107506	ABP N13AC 3417958
BW R5002983	ABP N13AC OR8442
BW 107509X	ABP N13AC OR3659
BW 5011016	ABP N13AC OR9756
BW 5011016X	ABP N13AC OR9756
BW 5012533	ABP N13AC 20R0178
BW R107506	ABP N13AC 3417958
BW R107508	ABP N13AC OR3659
BW R107509	ABP N13AC OR3659
BW R109142	ABP N13AC OR8442
BW R109319	ABP N13AC OR8340
BW R109863	ABP N13AC OR4740
BW R5000292	ABP N13AC OR9756
BW R5000641	ABP N13AC OR3659
BW R5002082	ABP N13AC OR8442
BW R5002652	ABP N13AC OR4740
BW R5002713	ABP N13AC OR4740
BW R5002826	ABP N13AC OR8442

COMPETITOR P/N	ALLIANCE P/N
BW R5002983	ABP N13AC OR8442
BW R5002984	ABP N13AC OR8340
BW R5003236	ABP N13AC OR4740
BW R5004113	ABP N13AC OR9756
BW R5004118	ABP N13AC OR9756
BW R50052983	ABP N13AC OR8442
BW R5006822	ABP N13AC OR3659
BW R5008823	ABP N13AC OR3659
BW R5011016	ABP N13AC OR9756
BW R5012533X	ABP N13AC 20R0178
BW RK056647X	ABP N13AC 20R0177
BW107506X	ABP N13AC 3417958
BW107507X	ABP N13AC 3074471
BW107509X	ABP N13AC OR3659
BW5002713X	ABP N13AC OR4740
BW5002983X	ABP N13AC OR8442
BW5002984X	ABP N13AC OR8340
BW5011016	ABP N13AC OR9756
BW5011016X	ABP N13AC OR9756
BW5012533	ABP N13AC 20R0178
BW5012533X	ABP N13AC 20R0178
BWA107507X	ABP N13AC 3074471
BWR107506	ABP N13AC 3417958
BWR107509	ABP N13AC OR3659
BWR5002983	ABP N13AC OR8442
BWR5011016	ABP N13AC OR9756
BWX5002983X	ABP N13AC OR8442
BWX5002984X	ABP N13AC OR8340
BX 107506X	ABP N13AC 3417958
BX 107507X	ABP N13AC 3074471
BX 107509X	ABP N13AC OR3659
BX 5002713X	ABP N13AC OR4740
BX 5002983X	ABP N13AC OR8442
BX 5002984X	ABP N13AC OR8340
BX107506X	ABP N13AC 3417958
BX107507B1	ABP N13AC 3074471
BX107507X	ABP N13AC 3074471
BX107509X	ABP N13AC OR3659
BX2107507X	ABP N13AC 3074471
BX25002984X	ABP N13AC OR8340

COMPETITOR P/N	ALLIANCE P/N
BX25011016X	ABP N13AC OR9756
BX5002713X	ABP N13AC OR4740
BX5002983X	ABP N13AC OR8442
BX5002984X	ABP N13AC OR8340
BX5011016X	ABP N13AC OR9756
BX5012533X	ABP N13AC 20R0178
BX5014428X	ABP N13AC 20R0177
BXC5002984X	ABP N13AC OR8340
BXC5011016X	ABP N13AC OR9756
BXX107506X	ABP N13AC 3417958
BXX107507X	ABP N13AC 3074471
BXX107509X	ABP N13AC OR3659
BXX5002713X	ABP N13AC OR4740
BXX5002983X	ABP N13AC OR8442
BXX5002984X	ABP N13AC OR8340
BXX5011016X	ABP N13AC OR9756
CC107506	ABP N13AC 3417958
HVG107506X	ABP N13AC 3417958
HVG107507X	ABP N13AC 3074471
HVG107509X	ABP N13AC OR3659
HVG5002713X	ABP N13AC OR4740
HVG5002983X	ABP N13AC OR8442
HVG5002984X	ABP N13AC OR8340
HVG5011016X	ABP N13AC OR9756
HVG5012533X	ABP N13AC 20R0178
HVG5014428X	ABP N13AC 20R0177
K056647BXR	ABP N13AC 20R0177
OR107506	ABP N13AC 3417958
OR107507	ABP N13AC 3074471
OR107509	ABP N13AC OR3659
OR-4115	ABP N13AC OR3659
OR-4740	ABP N13AC OR4740
OR5002983	ABP N13AC OR8442
OR-8340	ABP N13AC OR8340
OR-8442	ABP N13AC OR8442
OR-9013	ABP N13AC OR9756
OR-9756	ABP N13AC OR9756
R107507	ABP N13AC 3074471
W:BW107506X	ABP N13AC 3417958
W:BW-107506X	ABP N13AC 3417958

COMPETITOR P/N	ALLIANCE P/N
W:BW107507X	ABP N13AC 3074471
W:BW-107507X	ABP N13AC 3074471
W:BW5002983X	ABP N13AC OR8442
W:BW-5002983X	ABP N13AC OR8442
W:BW5002984X	ABP N13AC OR8340
W:BW-5002984X	ABP N13AC OR8340
WBW107506X	ABP N13AC 3417958
WBW-107506X	ABP N13AC 3417958
WBW107507X	ABP N13AC 3074471
WBW-107507X	ABP N13AC 3074471
WBW5002983X	ABP N13AC OR8442
WBW-5002983X	ABP N13AC OR8442
WBW5002984X	ABP N13AC OR8340
WBW-5002984X	ABP N13AC OR8340



AIR BRAKE COMPRESSORS

3

APPLICATION GUIDE

ALLIANCE P/N	APPLICATION	NOTE
ABP N13AC OR3659	CAT 3406B - 3176 - 2.5° Tilt	• Replacement for TF550 units • Includes safety valve • No rear cover studs
ABP N13AC OR8340	CAT 3406, C10, C12, C15, C16	• Replacement for TF550 units • Includes safety valve • Includes rear cover studs
ABP N13AC OR9756	CAT 3116, 3126, C7 Acert, C9 Acert	• Replacement for TF550 units • Includes safety valve
ABP N13AC 20R0177	CAT C11, C13 ENGINES	• Replacement for BA-921 • Includes safety valve • 42-tooth drive gear with Jet Port
ABP N13AC 20R0178	CAT C15, C16 ENGINES	• Replacement for BA-921 • Includes safety valve • 40-tooth drive gear without Jet Port
ABP N13AC OR8442	CAT 3406, 3176, C15, C16	• Replacement for TF750 units • Includes safety valve • No rear cover studs
ABP N13AC OR4740	CAT 3406, C10, C12, C15, C16	• Replacement for TF750 units • Includes safety valve • Includes rear cover studs
ABP N13AC 3074471	CUMMINS STANDARD FLANGE ISM, N14, M11	• Replacement for TF750 units
ABP N13AC 3417958	CUMMINS STANDARD FLANGE ISM, N14, M11	• Replacement for TF550 units



————— FIND YOUR NEAREST LOCATION AT ALLIANCETRUCKPARTS.COM —————



DTNA/PSM-M-1041. Specifications are subject to change without notice. Copyright © Daimler Trucks North America LLC. All rights reserved. Alliance Truck Parts is a brand of Daimler Trucks North America LLC, a Daimler company. ¹For nearly all heavy-duty truck makes and models. ²See warranty for complete details and limitations.