SPECIFICATIONS

Jake Brake®
Model 336A

for

Caterpillar®
3306C Engines

Features and Benefits

- 16 percent Improvement in Retarding Power for 1994 Engines
- Easy Installation for Reduced Cost
- Lightweight Design Optimizes Retarding and Payload
- Backed by Jacobs® Worldwide Network of Distributors and Dealers
- Available for All Ratings of the Caterpillar 3306C Engine
- Available Directly from Caterpillar or Field Installed for Maximum Flexibility
- Three-year/300,000-mile Standard Warranty

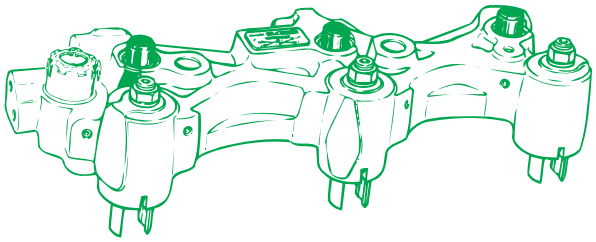
Jake Brake® Model 336A

for

Caterpillar® 3306C Engines

Technical Specifications

Height	2.4″	62 mm
Length	15.6″	402 mm
Width	5.2″	134 mm
Spacer Height	3.5″	89 mm
Added Engine Weight	72 lbs	33 Kg
Housings Per Engine	2	

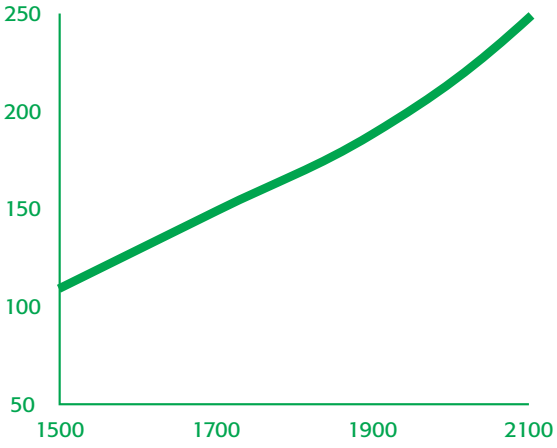


How a Jake Brake Model 336A Works

Energizing the engine brake effectively converts a power-producing diesel engine into a power-absorbing air compressor. This is accomplished through motion transfer using a master/slave piston arrangement which opens cylinder exhaust valves near the top of the normal compression stroke, releasing the compressed cylinder charge to exhaust.

The blowdown of compressed air to atmospheric pressure prevents the return of energy to the engine piston on the expansion stroke, the effect being a net energy loss since the work done in compressing the cylinder charge is not returned during the expansion process.

Retarding Performance



RPM	Horsepower
1500	110
1700	150
1900	190
2100	250

Jacobs®