



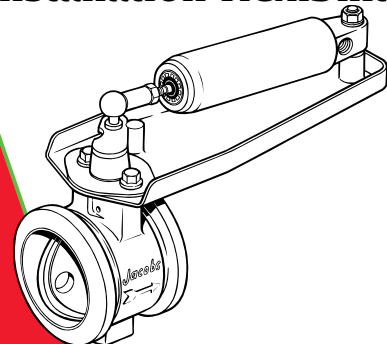
# **Model EXB59 Cummins B Series Engines**

## **Features**

- **Performance Optimized for Highest Available Horsepower**
- **Available for All Ratings of Cummins B Series Engines**
- **Tamper-proof for Engine Reliability**
- **Lightweight**
- **Alloyed Cast-iron Housing and Butterfly Plate for High Strength and Long Life**
- **High Temperature Capability**
- **Backed by Jacobs Worldwide Network of Distributors and Dealers**

## **Benefits**

- **Increased Vehicle Productivity**
- **Service Brake Savings**
- **Increased Vehicle Control**
- **Consistent Performance**
- **Low Overhung Weight on Turbocharger**
- **Installation Flexibility**



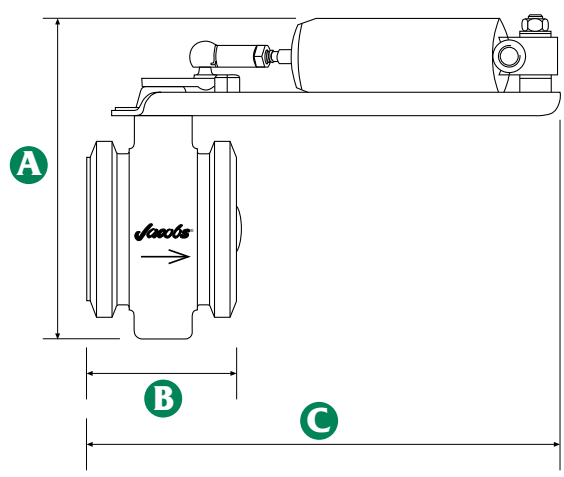


# Model EXB59

## Cummins B Series Engines\*

### Technical Specifications

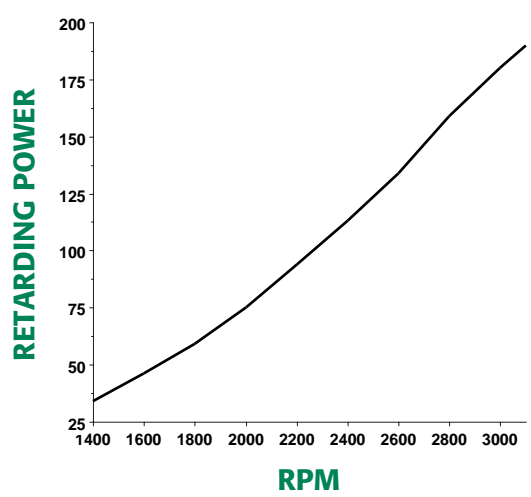
- "A" Measurement: 7.52" 191 mm
- "B" Measurement: 3.41" 86.6 mm
- "C" Measurement: 10.83" 275 mm
- Weight: 7.65 lbs. 3.67 Kg.
- Exhaust Pipe Size: 3.0" 76.2 mm
- Air Supply Pressure: 75 - 145 psi 5.2 - 10 BAR
- Air Cylinder Thread: 1/4 - 18 NPT
- \* Engine Application: Cummins B Series Engines equipped with Exhaust Valve Springs, Cummins P/N 3916691



### How an Extarder Works

The Jacobs Extarder is an engine compression retarder that generates its retarding power by a controlled restriction of the engine's exhaust gas flow. In restricting the engine exhaust, there is a resultant substantial increase in the engine back pressure. The power required to keep the engine running against this increased back pressure is obtained from the vehicle's forward momentum. That is, the vehicle's rear wheels are providing the power to turn the engine. This negative energy controls the vehicle's downhill speed while also providing vehicle speed reduction on a level surface.

### Retarding Performance



Retarding Power	
RPM	HP
1400	34
1600	46
1800	59
2000	75
2200	96
2400	113
2600	134
2800	159
3000	180
3100	190



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