



Jacobs Vehicle Systems®



JACOBS ENGINE BRAKE MODEL 722

For HDEP Gen 5

The HDEP Gen 5 features **Jacobs' trademark Jake Brake®** as standard equipment on this global engine platform. Certified and approved by the engine manufacturer, the engine brake model is a quieter performing brake with a dedicated cam lobe designed for optimum power. The brake is integrated with vehicle ABS for greater driver control and fully integrated with engine electronic controls.

FEATURES

- ▶ Jacobs Engine Brake components are common to all engine models
- ▶ Compression Release Dedicated Brake Rocker Arm
- ▶ Dedicated Cam Lobe design for optimum power
- ▶ Three-stage engine brake operation, low/med/high
- ▶ Certified and approved by the engine manufacturer
- ▶ Fully integrated with vehicle ABS for greater driver control
- ▶ Fully integrated with vehicle transmission for optimized shifting
- ▶ Quiet performing brake
- ▶ Factory installed

TECHNICAL SPECIFICATIONS

The 722 model Engine Brake is designed for use with the Gen 5 engine family, the brake rocker arm is not backward compatible with brake models 720 and 721.

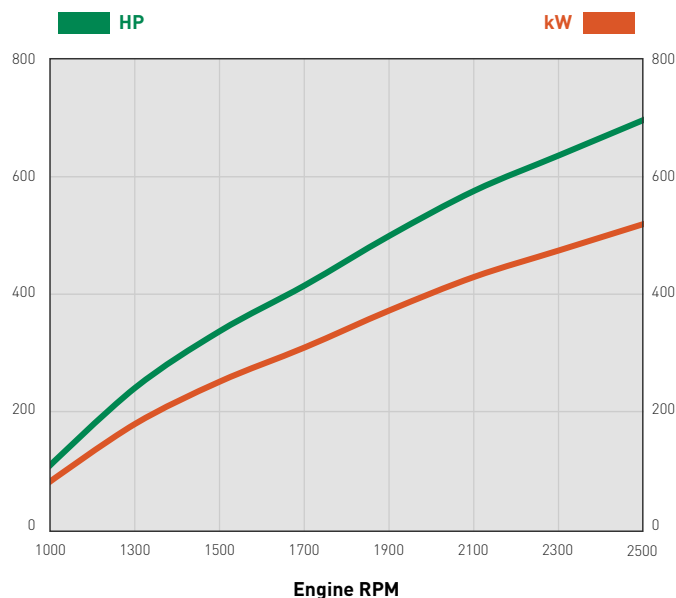
Kit Added Weight	12.6 lbs (5.724kg)
Rocker Units Per Engine	6
Lash Setting	0.1811" (4.6mm)

PARTS	JACOBS PN	DAIMLER PN
Brake Rocker Arm	01-046226	A472 050 4334
Solenoid*	01-047669	A472 153 1259
Solenoid Screen	01-047067	A472 186 0004
Seal Ring Upper	01-029421	A472 997 1745
Seal Ring Lower	01-031139	A472 997 1845

* Same solenoid for 12V and 24V applications globally.

Note: Aftermarket kits are not available

PERFORMANCE SPECIFICATIONS



HOW THE MODEL 722 BRAKE WORKS

The **Jacobs Engine Brake®** on the Heavy Duty Engine Platform works on the Compression Release principle acting on a single exhaust valve and is a Dedicated Cam operated, Single Rocker system.

Dedicated Cam refers to actuation of the “Braking Valve” event being driven by a specially designed cam lobe. The result is precise timing of the valve opening, unleashing higher retarding performance.



ENGINE BRAKE WARRANTY

Matches the warranty mutually agreed by Jacobs and the engine manufacturer up to the maximum of 5 years or 500,000 miles (800,000 km), whichever comes first.



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