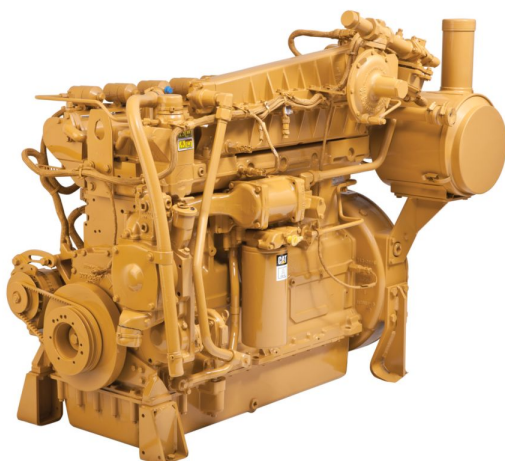




Tough and durable, built on the industry-standard G3300 platform and equipped with technology that brings performance, uptime, and low operating cost to your operation. G3306B engines meet the most demanding continuous duty gas compression applications with virtually no unscheduled downtime. Ideal applications for G3306B engines include gas lift, gas gathering, and wellhead gas compression. Cat G3306B gas engine. Ratings: 108-157 bkW (145-211 bhp) @ 1800 rpm are NSPS site compliant capable with Caterpillar or customer-provided air-fuel ratio control and aftertreatment.

Specifications

Engine Specifications

Minimum Rating	108 bkW	145 BHP
Maximum Rating	157 bkW	211 BHP
Emissions	NSPS 2010	
Displacement	10.5 l	638 in ³
Compression Ratio	10.5:1	
Aspiration	Naturally Aspirated or Turbocharged-Aftercooled	
Rotation from Flywheel End	Counterclockwise	
Flywheel and Flywheel Housing	SAE No. 1	
Flywheel Teeth	156	
Weight - Dry	1111 kg	2450 lb
Oil Change Interval	750 hours	
Ignition, Protection	ADEM A4	
Air/Fuel Ratio Control	ADEM A4	
Stroke	152 mm	6 in
Bore	121 mm	4.8 in

Capacity for Liquids

Cooling System	20 l	5.25 gal (US)
Lube Oil System - Refill	44.5 l	11.9 gal (US)

Benefits and Features

Advanced Digital Engine Management

The ADEM A4 system represents the next generation of engine management systems while reducing the number of mechanical components and easing troubleshooting. Features include: • Air/Fuel Ratio Control (AFRC) • Electronic ignition • Electronic governing/speed control • Start/stop logic • Engine protection & monitoring

Full Range of Attachments

Large variety of factory-installed engine attachments reduces packaging time

Gas Engine Rating Pro (GERP)

GERP is a web-based program designed to provide site performance capabilities for Cat® natural gas engines for the gas compression industry. GERP provides engine data for your site's altitude, ambient temperature, fuel, engine coolant heat rejection, performance data, installation drawings, spec sheets, and pump curves.

Product Support Offered Through Global Cat Dealer

More than 2,200 dealer outlets Cat factory-trained dealer technicians service every aspect of your petroleum engine Caterpillar parts and labor warranty Preventive maintenance agreements available for repair-before-failure options S•O•SSM program matches your oil and coolant samples against Caterpillar set standards to determine: - Internal engine component condition - Presence of unwanted fluids - Presence of combustion by-products - Site-specific oil change interval

Over 80 Years of Engine Manufacturing Experience

Over 60 years of natural gas engine production Ownership of these manufacturing processes enables Caterpillar to produce high quality, dependable products. - Cast engine blocks, heads, cylinder liners, and flywheel housings - Machine critical components - Assemble complete engine

Web Site

For all your petroleum power requirements, visit www.catoilandgasinfo.com.

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Standard Equipment

Air Inlet System

- Air cleaner – intermediate duty, dry
- Air cleaner rain cap (shipped loose)
- Service indicator

Control System

- ADEM A4

Cooling System

- Thermostats and housing – full open temperature 97°C (207°F)
- Jacket water pump – gear-driven, centrifugal, non-self-priming

Exhaust System

- Exhaust manifolds – watercooled
- Exhaust elbow – dry
- 102 mm (4 in)
- Three-way catalyst – 1.0 g NOx and 0.5 g NOx catalyst options

Flywheels & Flywheel Housings

- Flywheel, SAE No. 1
- Flywheel housing, SAE No. 1
- SAE standard rotation

Fuel System

- Air/fuel ratio control

- Gas pressure regulator
- Requires 10.3-34.5 kPa (1.5-5 psi) gas
- Natural gas carburetor

Ignition System

- ADEM A4 ignition

Lube System

- Crankcase breather, top mounted
- Oil cooler
- Oil filter
- Oil pan, full sump
- Oil filler and dipstick

Protection System

- The following parameters include alarm and shutdown

Optional Equipment

Charging Alternator

- 24V, 35A alternator
- 24V, 35A CSA alternator*

Cooling System

- Radiators
- Jacket water pump inlet adapter

Exhaust System

- Exhaust flex fitting – ANSI flange
- Exhaust elbow
- Exhaust flange – ANSI flange

Guards

- Fan guard
- Damper guard

Ignition System

- CSA certified electronics and ignition

Instrumentation

- Operator interface panel
- Operator interface panel enclosure
- 15', 20' and 50' interconnect harness

Starting System

- Air pressure regulator
- Air start silencer
- Vane starter



- Electric starter
- Turbine starter

The International System of Units (SI) is used in this publication. CAT, CATERPILLAR, their respective logos, ADEM, EUI, S•O•S, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.