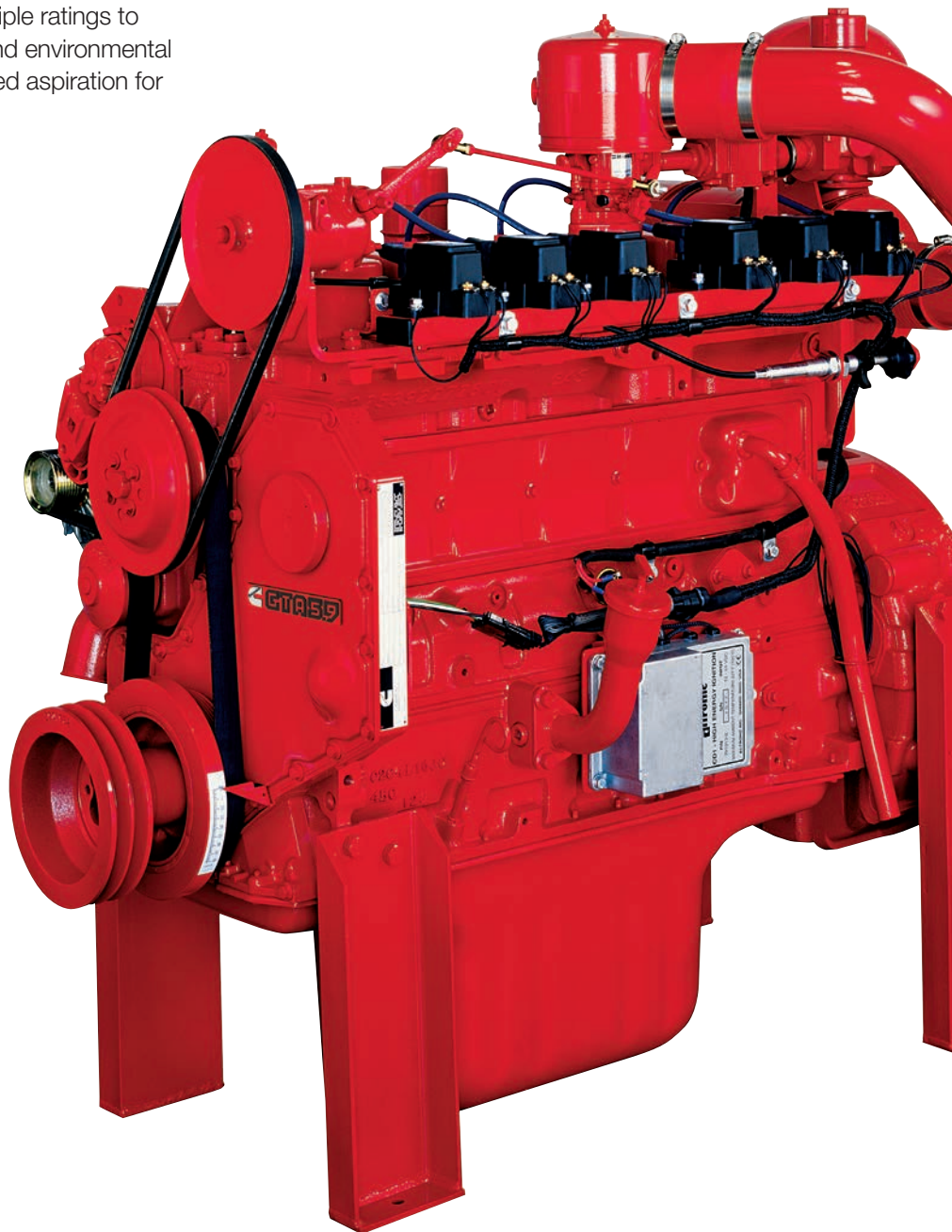

G5.9 AND GTA5.9

NATURAL GAS ENGINES FOR GAS COMPRESSION

Designed specifically for the oil and gas market, the G5.9 and GTA5.9 deliver exceptional dependability and low cost of operation in wellhead compression and artificial lift applications. The G5.9 is naturally aspirated for power and responsiveness, with multiple ratings to tailor performance to meet application and environmental needs. The GTA5.9 includes turbocharged aspiration for added power and altitude capability.



G5.9 AND GTA5.9

STANDARD FEATURES AND BENEFITS

Base Engine – Most major components, including the block, crank, cam, gears, water pumps and liners, are common with the well-proven B Series diesel engine, with over 20 years of dependable service in a wide range of industrial applications. Natural gas-specific heads and cylinders are designed for optimal air and fuel flow and combustion. Both the G5.9 and the GTA5.9 have a factory warranty of 1 year/unlimited hours.

Flywheel and flywheel housing – The flywheel is machined from cast iron, and includes provisions for 10.0” and 11.5” overcenter clutches. The flywheel housing is SAE #3 machined to accommodate starter mounting. An SAE #2 option is also available.

Power take-off (PTO) – A two-groove front pulley is standard for driving the compressor cooler fan.

Fuel system – An IMPCO® carburetor provides stable operation and fuel tracking across a range of fuel qualities and through all load ranges.

Speed control – A belt-driven governor provides adjustable speed and stable control under all load conditions. Electronic governor options are available.

Ignition system – A capacitive discharge ignition module delivers dependable spark performance and easy timing adjustment. Easily accessible spark plug location and a single coil per cylinder improve serviceability.

Starting system – The standard system features a robust Delco Remy® 39MT 24-volt starter with an SAE #3 mounting flange.

Electrical system – Includes a 24-volt alternator.

Lubrication system – A high-capacity oil pan and a Fleetguard® full-flow oil filter reduce maintenance costs and extend service intervals. Includes crankcase breather.

Cooling system – A jacket-water cooling system with a belt-driven coolant pump provides reliable engine cooling in all environments. The GTA5.9 is equipped with an auxiliary coolant pump for the LTA circuit.

Exhaust system – A tuned dry manifold that provides optimal exhaust flow is standard on the G5.9. A water-cooled manifold that reduces surface and exhaust gas temperatures is standard on the GTA5.9.

G5.9 AND GTA5.9 SPECIFICATIONS IN-LINE, 4-CYCLE, NATURAL GAS

Number of cylinders	6	
Displacement	359 cu in	5.9 L
Bore and stroke	4.02 in x 4.72 in	102 mm x 120 mm
Aspiration	Naturally aspirated or turbocharged and aftercooled	
Oil pan capacity	6.6 U.S. gal	25 L
Coolant capacity	2.6 U.S. gal	9.8 L
Length	47.1 in	1196 mm
Width	31.7 in	805 mm
Height	44.3 in	1126 mm
Weight (Dry)	1,070 lb	485 kg

RATINGS GROSS HORSEPOWER (WITHOUT FAN).

Engine model	Emissions capability note	Continuous rating C/R (Note)	Continuous rating hp (kW) @ rpm			
			1200	1500	1800	2200
G5.9	1, 3	10.5:1	–	–	49 (37)	–
		10.5:1	–	–	84 (63)	99 (74)
GTA5.9	2	8.5:1	–	–	116 (87)	–

(1) Customer-Compliant Upgradeable – This engine is capable of operating with a Three-Way Catalyst (TWC) at this rating. It is the responsibility of the owner/operator to upgrade the engine with an air/fuel ratio controller and a TWC capable of meeting New Source Performance Standards for spark-ignited engines (SI NSPS) or local emissions regulations. The owner/operator is required to conduct site compliance testing and submit documentation, per Environmental Protection Agency (EPA) SI NSPS requirements.

(2) This engine does not have a catalyst rating, and is not capable of meeting the U.S. EPA SI NSPS. This engine is offered only for use outside the U.S., in regions that do not have low-emissions requirements.

(3) Catalyst rating.

EVERY QUESTION. ANSWERED.

Your Cummins distributor can provide you with additional details, answer questions and make recommendations for the best configuration of a Cummins G5.9 or GTA5.9 engine for your gas compression needs. See cumminsengines.com to locate the distributor nearest you.

IMPCO is a registered trademark of IMPCO Technologies Inc. Delco Remy is a registered trademark of General Motors LLC.



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Bulletin 4087337 Produced in U.S.A. Rev. 3/22
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