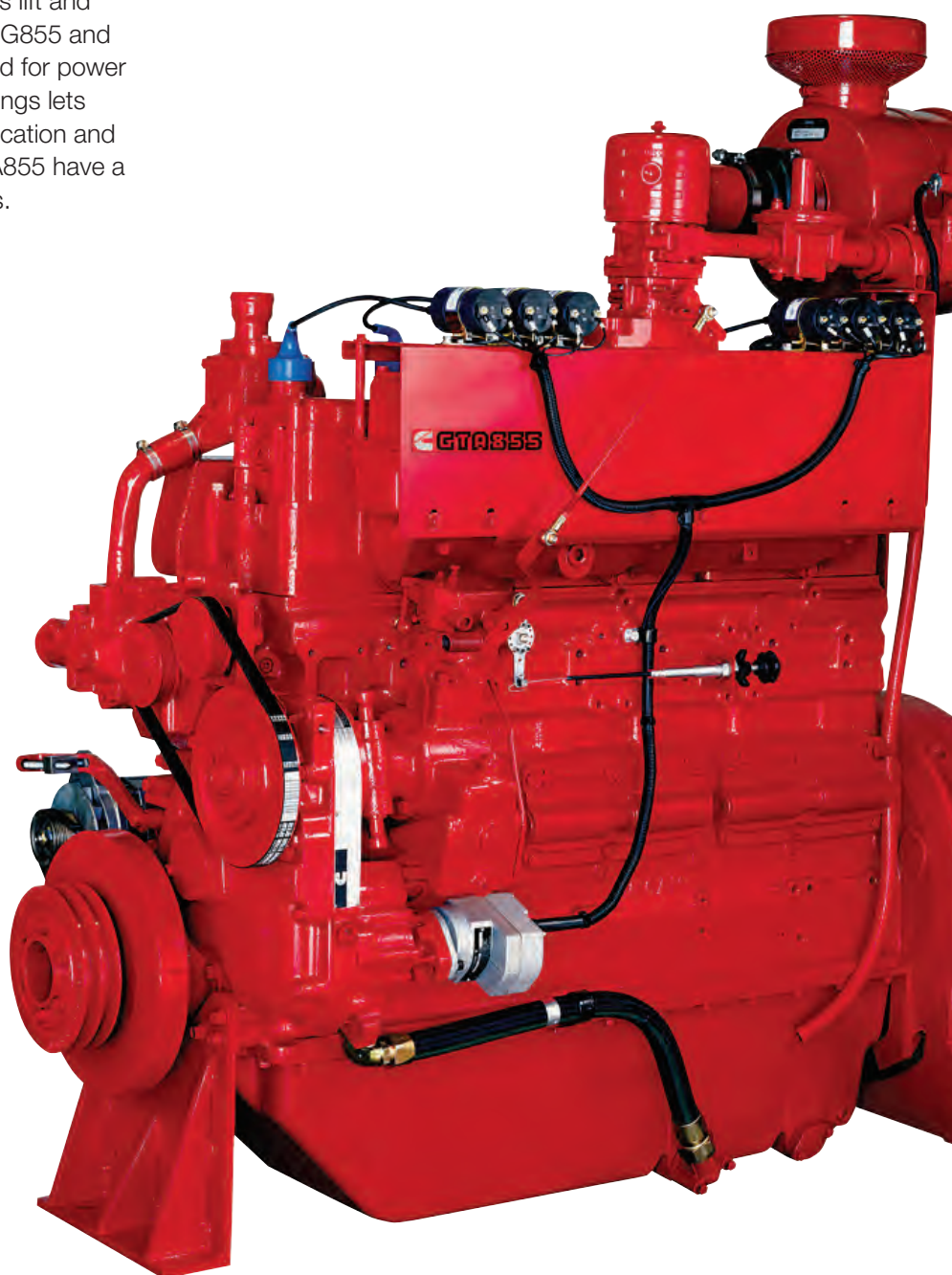

G855 AND GTA855

NATURAL GAS ENGINES FOR GAS COMPRESSION

Designed specifically for the oil and gas market, the G855 and GTA855 deliver exceptional dependability and low cost of operation in wellhead, gas lift and gathering compression applications. The G855 and GTA855 are turbocharged and aftercooled for power and responsiveness, while an array of ratings lets you tailor performance to meet your application and environmental needs. The G855 and GTA855 have a factory warranty of 1 year/unlimited hours.



G855 AND GTA855

STANDARD FEATURES AND BENEFITS

Base engine – Many major components, including the block, crank, cam, gears, water pumps and liners, are common with the well-proven N Series diesel engine, with decades of dependable service in a wide range of industrial applications. Natural gas-specific heads and cylinders are designed for optimal air flow, fuel flow and combustion for emissions-compliance durability in stoichiometric operation.

Flywheel and flywheel housing – Cast iron, including provisions for 5/8-18 and/or 3/4-16 magnetic pickup, is machined to accommodate starter mounting on either side of the housing.

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

Air handling – Choose between the naturally aspirated G855 for simple, effective operation, or the turbocharged and aftercooled GTA855 for enhanced performance and power density.

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 hydromechanical 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. The 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. A gas starter is optional.

Electrical system – Includes a 24-volt alternator.

Lubrication system – Deep, full-length, high-capacity oil pan for extended drain intervals. Combo full-flow and bypass oil filters reduce maintenance costs while extending service intervals.

Cooling system – Both engines utilize a belt-driven jacket-water pump. The GTA855 features a two-pump/two-loop cooling system with gear-driven auxiliary coolant pump for a separate aftercooling circuit to maintain low intake manifold temperatures.

Exhaust system – A watercooled manifold is standard on both engines.

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Emissions system – The G855 and GTA855 have available catalyst ratings to allow the engine to be operated as a rich-burn engine, and can be customer-equipped with an AFR and catalyst to meet NSPS emissions requirements. The GTA855 also has export-only ratings.

G855 AND GTA855 SPECIFICATIONS. IN-LINE, 4-CYCLE, NATURAL GAS.

Number of cylinders	6	
Displacement	855 cu in	14.0 L
Bore and stroke	5.5 in x 6.0 in	140 mm x 152 mm
Aspiration	Naturally aspirated or turbocharged and aftercooled	
Oil pan capacity	15.0 U.S. gal	57.0 L
Coolant capacity	5.5 U.S. gal	20.8 L
Length	67.7 in	1,720 mm
Width	35.9 in	912 mm
Height	53.9 in	1,369 mm
Weight (Dry)	2,970 lb	1,347 kg

RATINGS GROSS HORSEPOWER (WITHOUT FAN).

Engine model	Emissions capability note	Continuous C/R (Note)	Rating hp (kW) @ rpm	
			1500	1800
G855	1, 3	10:1	157 (117)	188 (140)
GTA855	1, 3	8.5:1	–	225 (168)
GTA855	2	8.5:1	238 (177)	286 (213)

(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) 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 G855 or GTA855 engine for your gas compression needs. See cumminsengines.com to locate the distributor nearest you.



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