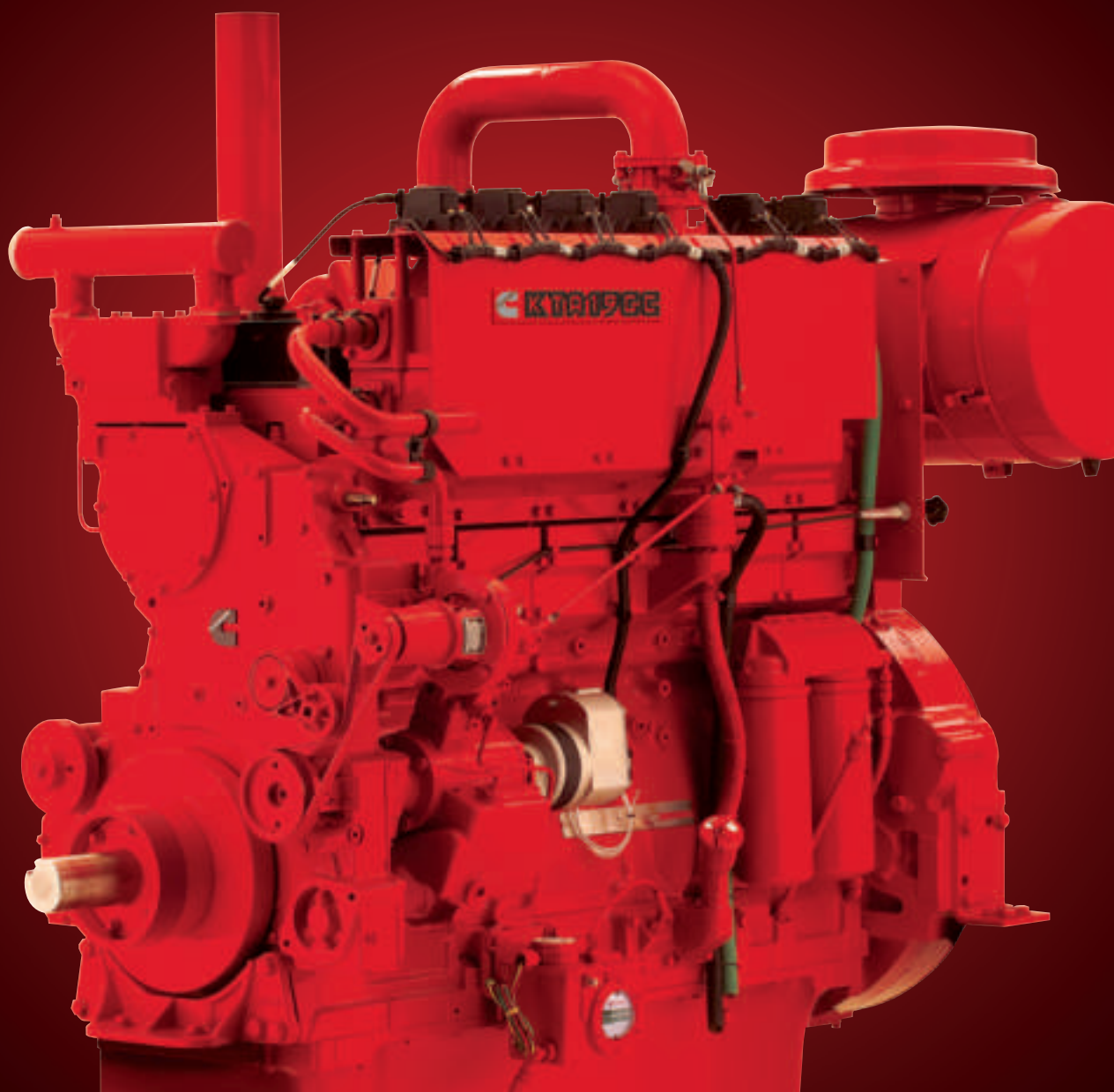




Every™ Driver.

KTA19GC For Industrial Applications.



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Cummins natural gas engines are designed and built to make you money by maximizing uptime and minimizing maintenance requirements. The combination of sophisticated air/fuel handling, ignition and electronic engine controls functions as a seamless, integrated system to deliver optimum application efficiency at the lowest cost. Which makes Cummins the right driver for every industrial application.

Features And Benefits.

Cummins KTA19GC delivers exceptional reliability for a low cost of operation. Every day. It shares many of the same heavy-duty components with a proven workhorse – the Cummins K19 diesel engine. Here are some of the features that make the KTA19GC the right choice for your applications:

Base Engine – All internal major components, including block, crank, cam, lube, water pumps and gears are common with the Cummins K19 diesel, a proven power plant with over 20 years of reliable and dependable service in a wide variety of industrial applications. Its cylinder heads are designed for optimal intake air/exhaust flow. Stellite exhaust valve faces and valve seat inserts, along with Tribaloy T400 intake valve faces and valve seat inserts, add durability.

Air Handling – Turbocharger designed for high performance and maximum life.

Cooling System – Jacket-water with gear-driven pump and separate circuit aftercooling for lower intake manifold temperature.

Exhaust System – Water-cooled manifold reduces surface and exhaust gas temperatures.

Fuel System – Impco Varifuel carburetor provides stable operation and fuel tracking through all load ranges.

SAE #0 Flywheel Housing – Cast-iron, including provisions for 5/8–18 and/or 3/4–16 magnetic pickup, and machined to accommodate starter mounting on either side of housing.

Ignition System – Cummins Programmable Control Ignition Module provides precision control and low maintenance, with sealed-bearing construction and high-voltage output.

Lubrication System – Deep, full-length, high-capacity 27-gallon oil pan. Venturi™ Combo oil filters reduce maintenance costs and extend service intervals.

Speed Control – Woodward electronic internal throttle body provides precise and stable rpm control under all load conditions.

Warranty – Cummins 1 year/unlimited hours.

Starter – Delco Remy 39MT, 24-volt w/SAE #3 mounting flange.

Optional Equipment.

- TDI T312-I air/gas starter
- Shielded Altronic III ignition
- Delco Remy 24-volt, 35-amp nonshielded alternator
- Woodward PSG Hydraulic Governor

KTA19GC Specifications

Engine Type	In-Line, 4-Cycle, Natural Gas and TA Models	
Number of Cylinders	6	
Displacement	1,150 CU IN	19 LITERS
Bore and Stroke	6.25 IN x 6.25 IN	159 MM x 159 MM
Aspiration	Turbocharged and Aftercooled	
Oil Pan Capacity	27 U.S. GALLONS	102 LITERS
Coolant Capacity	8 U.S. GALLONS	30 LITERS
Length	77.12 IN	1,959 MM
Width	37.32 IN	948 MM
Height	68.98 IN	1,752 MM
Weight (Dry)	4,840 LB	2,195 KG

Ratings Gross Horsepower (Without Fan)

ENGINE MODEL	C/R (NOTE)	CONTINUOUS RATING HP @ RPM			
		900	1200	1500	1800
KTA19GC SLB	8.5:1 (1)			350	420
KTA19GC420 - Standard	8.5:1			350	420
KTA19GC380 - Catalyst	8.5:1			317	380
KTA19GC265 - Catalyst	8.5:1	199	265		

(1) Engine capable of engine-out emissions for NOx/CO/NMHC of 4.0/2.0/1.0 gr/hp hr, respectively. Additional ratings are available. Check with your Cummins distributor.

All data is based on the engine operating with fuel system, water pump and 9 in H₂O (229 mm H₂O) inlet air restriction with 5 in (127 mm) inner diameter, and with 2 in Hg (51 mm Hg) exhaust restriction with 6 in (152 mm) inner diameter; not included are alternator, fan, optional equipment and driven components. Coolant flows and heat rejection data based on coolants as 50% ethylene glycol/50% water. All data is subject to change without notice.

Data represents gross engine capabilities obtained and corrected in accordance with SAE J1995 and ISO 3046 conditions of 29.61 in Hg (100 kPa) barometric pressure (500 ft [152 m] altitude), 77°F (25°C) inlet air temperature and 0.30 in Hg (1 kPa) water vapor pressure using dry processed natural gas fuel with 1035 BTU per standard cubic foot (38.56 kJ/l) lower heating value. Deration may be required due to altitude, temperature and type of fuel. Consult Cummins Customer Engineering for operation above this altitude.



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