



EVERY POWER.

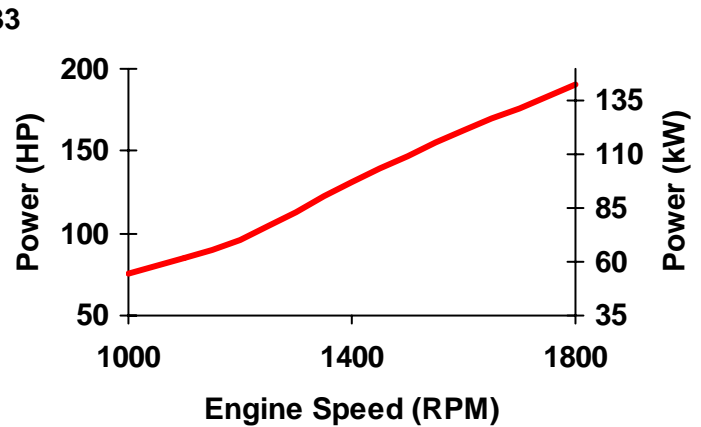
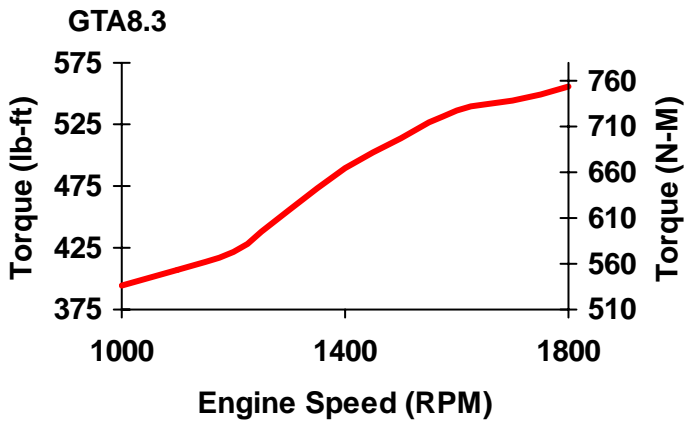
GTA8.3

GTA8.3 Ratings

ENGINE MODEL	ADVERTISED HORSEPOWER	PEAK TORQUE	ASPIRATION
GTA8.3	163 HP @ 1800 RPM	476 LB-FT @ 1800 RPM	Turbocharged and Aftercooled
GTA8.3	175 HP @ 1800 RPM	511 LB-FT @ 1800 RPM	Turbocharged and Aftercooled
GTA8.3	190 HP @ 1800 RPM	554 LB-FT @ 1800 RPM	Turbocharged and Aftercooled



ADDITIONAL RATINGS ARE AVAILABLE. CHECK WITH YOUR CUMMINS DISTRIBUTOR.



Specifications

Advertised Horsepower		163 - 190 BHP	122 - 142 kW
Peak Torque		476 - 554 LB-FT	645 - 751 NM
Number of Cylinders		6	
Displacement		505 cu in	8.3 Liters
Bore and Stroke		4.49 in. x 5.32 in.	114 mm x 135 mm
Aspiration		Turbocharged and Aftercooled	
Oil System Capacity		34 U.S. Quarts	32.17 Liters
Power Unit Weight (Dry)	Open	2358 lbs	1070 kg
	Enclosed	2773 lbs	1258 kg
Total Cooling System Capacity		53.2 U.S. Quarts	50.3 Liters
Power Unit Size:	Open	Length	76.52 in.
		Width	41.42 in.
		Height	84.20 in.
	Enclosed	Length	80.15 in.
		Width	41.42 in.
		Height	71.38 in.

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 930 BTU per standard cubic foot lower heating value. Deration may be required due to altitude, temperature and type of fuel.

All data is based on the engine operating with fuel system, water pump, and 8 in H₂O (1.991 kPa) inlet air restriction with 4 in (102 mm) inner diameter, and with 1 in Hg (3 kPa) exhaust restriction with 4 in (102 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.

CUMMINS POWER PRODUCTS

KEY FEATURES

GTA8.3

Base Engine Major internal components are shared with the high-volume Cummins C Series diesel engine. Its robust power cylinder and cylinder head components are designed for maximum reliability and durability.

Ignition System Altronic CD1 integral electronic ignition system. Easily accessible spark plug locations and single coil per cylinder for lower maintenance costs.

Fuel System Features a balanced intake manifold for even fuel distribution and Impco carburation for optimum fuel consumption and stable operation through all load ranges.

Speed Control Adjustable pressure-compensated hydraulic governor provides precise and stable RPM control under all load conditions.

Air Cleaner Heavy duty industrial air cleaners with aluminized tubing. Safety elements included within the air cleaners and restriction indicators available.

Baseraill Mounting Made of heavy duty formed C channel. All metal components are powder coated. Passes a 1000 hours salt water test.

Cooling System Heavy duty radiator assembly with jacket water and charge air cooler incorporated within assembly. Sucker or blower fan arrangements available. Aluminized charge air cooler tubes and painted water tubes. Radiator shroud, fan and belt guarding included. Radiator is isolated.

Instrument Panel Operates on 24 volts using mechanical and electro-mechanical gauges. Shutdown protection provided through a Murphy shutdown protection relay. Isolated inner panel within an outer protective lockable box. Available on right or left hand side of unit. Nema panels also available.

Clutches Over center clutches available depending on application. Provided primarily by Twin Disc.

Enclosure Fully enclosed power unit available. Enclosure housings use 12-gauge steel. All components are powder-coated, which increases chip resistance. Passes a 1,000-hour salt spray tests. Components are bolted, not welded, so they resist mounting distortion and are easier to service. Removable side doors for easy engine serviceability.

Cummins Industrial Warranty Coverage for two years or 2000 hours of operation, whichever occurs first, from the date of delivery of the power unit to the first user, or from the date the unit is first leased, rented or loaned, or when the power unit has been operated for 50 hours, whichever comes first. If the 2000 hour limit is exceeded during the first year, coverage continues until the end of the first year.

Available Options

Standard Optional

Available Options	Standard	Optional
Air Cleaner 25 g/cfmw/ Safety Element - Open Rear Mount	■	
Air Cleaner 25 g/cfmw/ Safety Element - Enclosed Rear Mount	■	
Clutch Support Plate		■
Twin Disc Clutch		■
Decal Option / parts Manual	■	
Engine Harness Option	■	
Linear Throttle Control	■	
Full Enclosure	■	
Electrical Wiring 24 Volt	■	
Instrument panel mount - Open	■	
Instrument Panel - Mechanical gauges, Murphy shutdown n.	■	
Instrument Panel - Nema Enclosure		■
12 Foot Extension Harness		■
24 Foot Extension Harness		■
Baseraill Engine Sub Base non-isolated	■	
Packing / Shipping Skid	■	
Cooling System- Sucker; Includes Radiator, fan, shroud, positive deaeration tank, guarding, tubes.	■	
Cooling System- Blower; Includes radiator, fan, shroud, positive deaeration tank, guarding, tubes.		■
Restriction Indicator - Air Cleaner		■
Stone Guard - Grill Type	■	
Exhaust System	■	

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