



# EVERY POWER. QSC8.3

## QSC8.3 Ratings

Engine Model	Advertised Horsepower	Peak Torque	Aspiration
QSC8.3	340 HP @ 2200 RPM*	1050 lb-ft @ 1400 RPM	Turbocharged/Charge Air Cooled
QSC8.3	300 HP @ 2200 RPM	1000 lb-ft @ 1400 RPM	Turbocharged/Charge Air Cooled
QSC8.3	280 HP @ 2200 RPM	1000 lb-ft @ 1400 RPM	Turbocharged/Charge Air Cooled
QSC8.3	260 HP @ 2200 RPM	870 lb-ft @ 1400 RPM	Turbocharged/Charge Air Cooled
QSC8.3	240 HP @ 2200 RPM	800 lb-ft @ 1400 RPM	Turbocharged/Charge Air Cooled

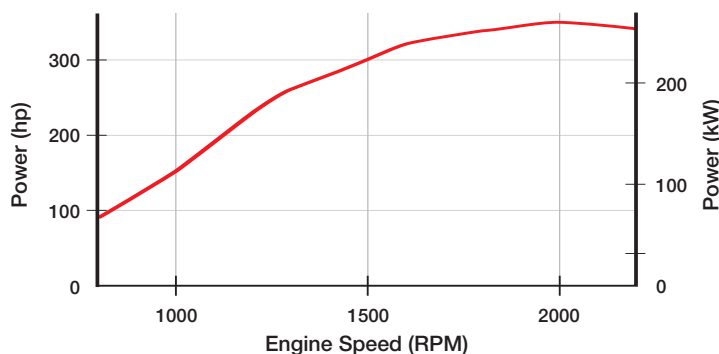
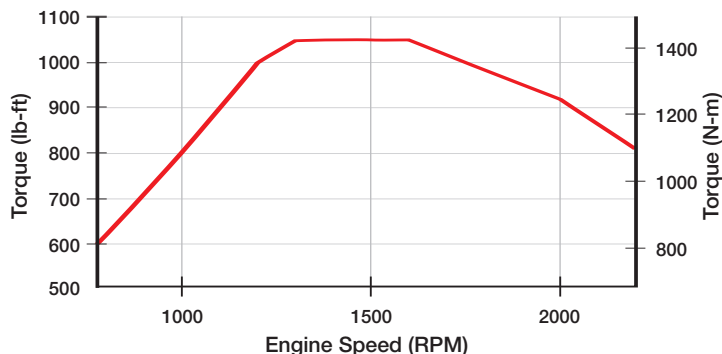
Additional ratings are available. check with your Cummins distributor. \*Restricted Rating

Emission Certification: U.S. EPA Tier 2, CARB Tier 2, EU Stage II, JMLIT Step 2



## QSC8.3

## FR-91061



## Specifications

Advertised Horsepower	240-340 BHP	179-254 kW
Peak Torque	800-1050 lb-ft	1085-1424 Nm
Number of Cylinders	6	6
Displacement	506 cu in	8.3 liters
Bore and Stroke	4.49 in. x 5.31 in.	114 mm x 135 mm
Aspiration	Turbocharged and Charge Air Cooled	
Oil System Capacity	25 U.S. Quarts	23.8 Liters
Power Unit Weight (Dry) Open	2325 lbs	1055 Kg
Power Unit Weight (Dry) Enclosed	2700 lbs	1225 Kg
Total Cooling System Capacity	39.5 U.S. Quarts	37.0 Liters
Power Unit Size: Open		
Length	60.50 in.	1537 mm
Width	41.32 in.	1050 mm
Height	82.31 in.	2091 mm
Enclosed		
Length	60.50 in.	1537 mm
Width	41.32 in.	1050 mm
Height	78.87 in.	2003 mm

Curves shown above represent gross engine performance capabilities obtained and corrected in accordance with SAE J1995 conditions of 29.61 in Hg (100 kPa) barometric pressure [300ft (91m) altitude] 77 deg F (25 deg C) inlet air temperature, and 0.30 in Hg (1kPa) water vapor pressure with No. 2 diesel fuel.

All data is based on the engine operating with fuel system, water pump, and 10 in H<sub>2</sub>O (254 mm H<sub>2</sub>O) inlet air restriction with 6 in (152 mm) inner diameter, and with 2 in Hg (51 mm Hg) 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.

The engine may be operated without changing the fuel setting up to 3048 m (10,000 ft.) altitude and 38 deg C (100 deg F).

**CUMMINS POWER PRODUCTS**

# KEY FEATURES

# QSC8.3

**Wastegated HX40 Turbocharger** Custom-designed for heavy-duty performance, with maximum power and torque at low rpm, no overboost at high rpm.

**Full-Authority Electronic Controls** Optimized engine operation, diagnostics, prognostics and more. Industry standard datalinks.

**Parent Bore Cylinder Block** Structurally advanced design handles high pressures with greater durability.

**Quiet Operation** Makes the QSC Series engine suitable in many environments.

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

**Baserail 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 12 or 24 volt using the Murphy Powerview Module. J1939 communication with a 9 pin diagnostic connection. Shutdown protection provided through the ECM. 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 uses 12-gauge steel. All components are powder-coated, which increases chip resistance. Passes a 1,000-hour salt spray test. Components are bolted, not welded, so they resist mounting distortion and are easier to service. Removable side doors for easy engine serviceability.

**Exhaust** Heavy duty industrial muffler provided.

**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.

## CUMMINS POWER PRODUCTS

21810 Clessie Court  
New Hudson, Michigan 48165  
Phone: 248-573-1600  
Fax: 248-573-4014  
Internet: [cpp.cummins.com](http://cpp.cummins.com)

Available Options	Standard	Optional
Air Cleaner 25 g/cfm w/Safety Element - Open Rear Mount	■	
Air Cleaner 25 g/cfm w/Safety Element - Enclosed Top Mount	■	
Air Cleaner 25 g/cfm w/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 12 Volt	■	
Electrical Wiring 24 Volt		■
Heater Starting Aid (Grid/Glow Plug)		■
Instrument Panel Mount - Open	■	
Instrument Panel - Powerview; includes Murphy powerview w/oil pressure, water temp., voltmeter, and tachometer gauges, key switch, run/idle switch, 9 pin J1939 diagnostic port, and isolated panel within enclosed lockable box.	■	
Instrument Panel - Switch gauges; includes Murphy shutdown, electro-mechanical oil pressure and water temp., voltmeter, and tachometer/hourmeter gauges, key switch, isolated panel within enclosed lockable box.		■
Instrument Panel - Nema Enclosure		■
12 Foot Extension Harness		■
24 Foot Extension Harness		■
Baserail Engine Sub Base Non-Isolated	■	
Baserail Engine Sub Base - Extended For Clutch Support		■
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	■	
Coolant Level Safety Shutdown	■	
Exhaust System	■	