



EVERY POWER.

QSK23

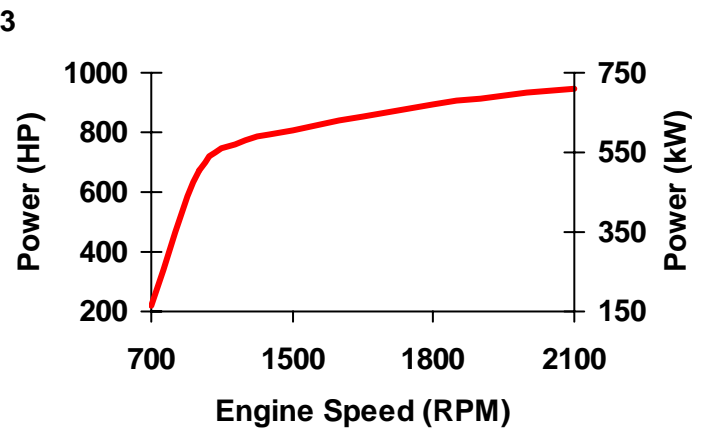
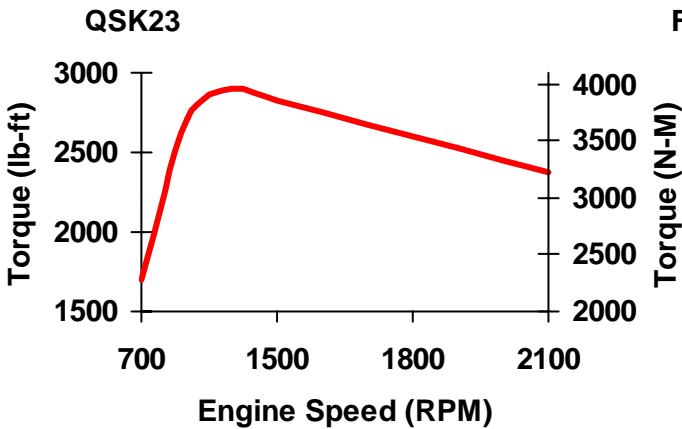
QSK23 Ratings

ENGINE MODEL	ADVERTISED HORSEPOWER	PEAK TORQUE	ASPIRATION
QST23	950 HP @ 2100 RPM	2890 LB-FT @ 1400 RPM	Turbocharged / Charge Air Cooler
QST23	760 HP @ 2100 RPM	2400 LB-FT @ 1300 RPM	Turbocharged / Charge Air Cooler



ADDITIONAL RATINGS ARE AVAILABLE. CHECK WITH YOUR CUMMINS DISTRIBUTOR.

Emission Certification: U.S. EPA Tier 1, CARB Tier 1, EU Stage I



Specifications

Advertised Horsepower	760 - 950 BHP	567 - 708 kW
Peak Torque	2400 - 2890 LB-FT	3254 - 3918 NM
Number of Cylinders	6	
Displacement	1412 cu in	23.15 Liters
Bore and Stroke	6.69 in. x 6.69 in.	170 mm x 170 mm
Aspiration	Turbocharged and Charge Air Cooled	
Oil System Capacity	54.8 U.S. Quarts	51.76 Liters
Power Unit Weight (Dry)	9500 lbs	4309 Kg
Total Cooling System Capacity	143 U.S. Quarts	135.32 Liters
Power Unit Size: Open	Length	125.39 in.
	Width	66.28 in.
	Height	91.71 in.

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 H₂O (2.488 kPa) inlet air restriction with 5.74 in (146 mm) inner diameter, and with 2 in Hg (7 kPa) exhaust restriction with 4.88 in (124 mm) inner diameter; not included are alternator, fan, optional equipment and driven components.

The engine may be operated up to 3,000 ft (914 m) altitude before electronic derate is applied.

KEY FEATURES

QSK23

One-Piece Cast-Iron Block Heavy-duty design with wide cylinder spacing for long life and excellent rebuildability.

CELECT™ Electronic Engine Management Full-authority electronics for superior performance, fuel efficiency, diagnostics and prognostics. Programmable feature lets you customize engine performance to vehicle use.

High-Pressure Injection Works at up to 35,000 psi to optimize engine response with the best fuel economy and lowest engine emissions.

Rear Gear Train Significantly reduces engine noise.

Two-Stage Oil Filter Combination full-flow and bypass oil filter reduces maintenance costs as it extends service intervals.

Air Cleaner Dual 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 constructed C channel. All metal components are powder coated. Passes a 1000 hours salt water test.

Cooling System Heavy Duty Solid mount Radiator assembly with jacket water, charge air cooler and fuel cooler incorporated with assembly. Sucker or Blower fan arrangements available. Aluminized charge air cooler tubes and painted water tubes. Radiator shroud, fan and belt guarding included. Low coolant Level safety shutdown provided.

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 and spread bearing clutches available depending on application. Provided primarily by Twin Disc.

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
Air Cleaner 25 g/cfm w / Safety Element - Open Rear Mount	■	
Clutch Support Plate		■
Tw in Disc Clutch		■
Decal Option / parts Manual	■	
Engine Harness Option	■	
Linear Throttle Control		■
Electrical Wiring 12 Volt		■
Electrical Wiring 24 Volt	■	
Instrument panel mount - Open	■	
Instrument Panel - Pow erview ; Includes Murphy Pow erview w / oil pressure, w ater temp., voltmeter, and tachometer gauges, key sw itch,run/idle sw itch, 9 pin J1939 diagnostic port, and isolated panel w ithin enclosed lockable	■	
Instrument Panel - Nema Enclosure		■
12 Foot Extension Harness		■
24 Foot Extension Harness		■
Baserail Engine Sub Base - 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 - Blow er; Includes radiator, fan, shroud, positive deaeration tank, guarding, tubes.		■
Fuel Cooler added to Cooling System	■	
Restriction Indicator - Air Cleaner		■
Stone Guard - Grill Type	■	

CUMMINS POWER PRODUCTS

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