



EVERY POWER.

QSB4.5

QSB4.5 Ratings

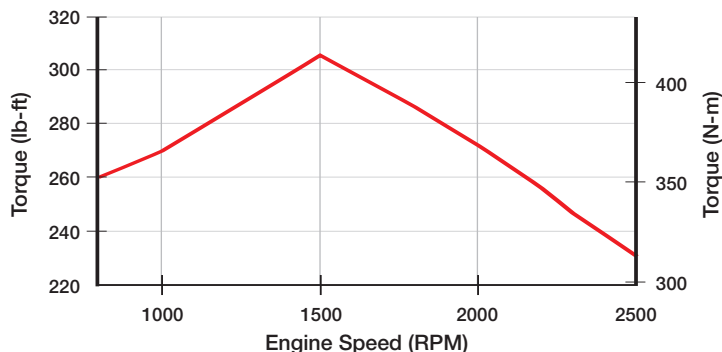
Engine Model	Advertised Horsepower	Peak Torque	Aspiration
QSB4.5	110 HP @ 2500 RPM	305 lb-ft @ 1500 RPM	Turbocharged
QSB4.5	110 HP @ 2200 RPM	305 lb-ft @ 1500 RPM	Turbocharged

Additional ratings are available. check with your Cummins distributor.

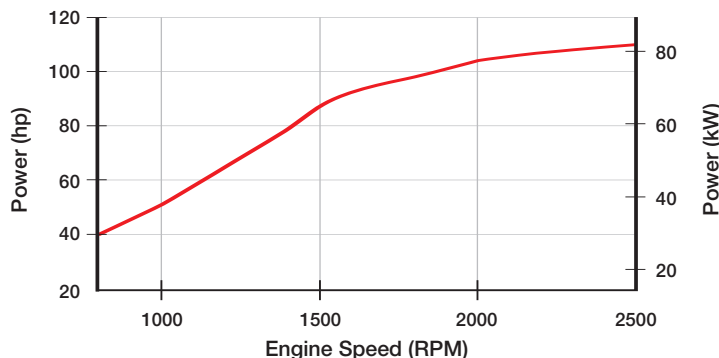
Emission Certification: U.S. EPA Tier 2, CARB Tier 2, EU Stage II



QSB4.5



FR-91221



Specifications

Advertised Horsepower	110 BHP	82 kW
Peak Torque	305 lb-ft	414 Nm
Number of Cylinders	4	4
Displacement	275 cu in	4.5 liters
Bore and Stroke	4.02 in. x 5.42 in.	102 mm x 120 mm
Aspiration	Turbocharged	
Oil System Capacity	10 U.S. Quarts	9.4 Liters
Power Unit Weight (Dry) Open	1168 lbs	530 Kg
Power Unit Weight (Dry) Enclosed	1308 lbs	594 Kg
Total Cooling System Capacity	27 U.S. Quarts	25.5 Liters
Power Unit Size: Open		
Length	52.30 in.	1328 mm
Width	29.25 in.	743 mm
Height	65.40 in.	1661 mm
Power Unit Size: Enclosed		
Length	43.00 in.	1092 mm
Width	32.11 in.	816 mm
Height	60.81 in.	1545 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 9.84 in H₂O (250 mm H₂O) inlet air restriction with 3.94 in (100 mm) inner diameter, and with 1.97 in Hg (50 mm Hg) exhaust restriction with 2.95 in (75 mm) inner diameter; not included are alternator, fan, optional equipment and driven components.

The engine may be operated without changing the fuel setting up to 3353 m (11,000 ft.) altitude and 38 deg C (100 deg F).

CUMMINS POWER PRODUCTS

KEY FEATURES

QSB4.5

Holset Turbochargers Wastegated designs optimize operations for improved response across the torque curves.

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 QSB 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 cooling only incorporated within assembly. Sucker or blower fan arrangements available. 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

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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	■	
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 Isolated		■
Baserail Engine Sub Base - Special Isolated Side Load		■
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	■	
Stone Guard - Serpentine Type		■
Coolant Level Safety Shutdown	■	
Exhaust System	■	