



QSL9 Tier 4(i) Cummins Power Unit

Cummins Power Products
Tier 4 Interim Technology Leader

Our Tier 4 interim technology solution for Power Units builds upon the proven durability of our Tier 3 Power Units. Cummins has the unique advantage in that we design and manufacture the critical engine subsystems and aftertreatment with Cummins Power Products upfitting and validating the Power Unit design to integrate them more efficiently. We optimize the total system for our customers to minimize installation impact and achieve the lowest cost of operation.

Engine Highlights

- Particulate Matter Reduction by 90%
- NOx Reduction by 45%
- Power Improvement of 4%
- Gain 8% or more in fuel economy
- Cooled Exhaust Gas Recirculation (EGR)
- High Pressure Common Rail (HPCR) fuel system
- Variable Geometry Turbocharger (VGT)
- Direct Flow Air Filtration System

Aftertreatment Strategies

- Catalyzed Diesel Particulate Filter (DPF)
- Diesel Oxidation Catalyst (DOC)

Tier 4(i) Power Unit Design Highlights

- Same space claim as Tier 3 Power Units
- Designed to accommodate Tier 4 final requirements in the same space claim with minimal re-engineering
- Fully engineered solution with proper sizing and option selection ensures maximum performance
- Each Power Unit design is fully tested by Cummins Power Products to meet or exceed Cummins application guidelines



Engine Model Ratings

Engine Model	QSL 9 T4(i)
Advertised Horsepower	380 HP @ 2100 RPM
Peak Torque	1200 LB-FT @ 1500 RPM
Aspiration	Turbocharged/ Charge Air Cooled

Additional Rating may be available.
Check with your Local Cummins distributor.

EPA Certification
U.S. EPA Tier 4(i), CARB Tier 4(i)

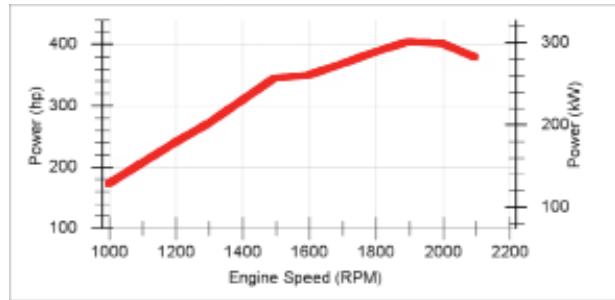
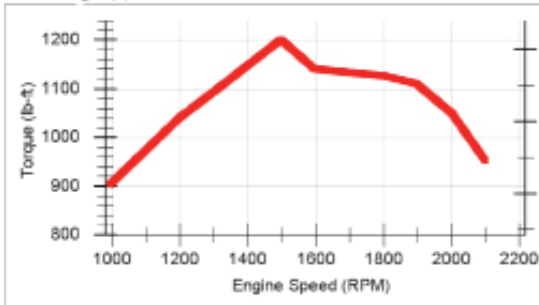
Cummins Warranty
Coverage for two years or 2000 hours of operation, whichever occurs first, from the date of delivery of the power unit to the first user, or from the date the unit is first leased, rented or loaned, or when the power unit has been operated for 50 hours, whichever comes first. If the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

Available Features

Air Cleaner	Direct Flow with Restriction Indicator
Cooling System	Includes: radiator, fan, shroud, deaeration tank, guarding, tubes. Fully tested for Limiting Ambient Temps. Pusher and Puller fans available.
Instrument Panel	J1939 Key Switch, Run / Idle Switch, 9-Pin J1939, diagnostic port and isolated panel. Includes PowerView® with Oil Pressure, Water Temp., Voltmeter, and Tachometer Gauges.
Radiator Guard	Serpentine Mesh Guard or Punched Guard Available
Enclosure	Overhead liftable sheet metal enclosure with removable doors
Exhaust System	Diesel Particulate Filter (DPF)
Mounting Options	Baseraill mounting. Standard or extended options available.
Packaging	Packaging for Domestic & International Shipping
Electrical Wiring	12V or 24V

Note: All power units MUST include a Decal (DE), Mounting (MM), Packaging (PP), Cooling (RA) & Restriction Indicator (RI).

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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 15 in H₂O (3.73 kPa) inlet air restriction with 4 in (102 mm) inner diameter, and with 5.1 in Hg (17 kPa) exhaust restriction with 3 in (76 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.

Specifications

Advertised Horsepower	380 bhp	283 kW
Peak Torque	1200 lb-ft	1627 Nm
Number of Cylinders	6	6
Displacement	543 cu in.	8.9 Liters
Bore and Stroke	4.5 in. x 5.7 in.	114 mm x 145 mm
Aspiration	Turbocharged/Charge Air Cooled	
Oil System Capacity	23.0-31.7 U.S. Quarts	21.8-30.0 Liters
Power Unit Weight (Dry)		
	Open	2680 lbs.
	Enclosed	2800 lbs.
Total Cooling System Capacity	64.4-67.4 U.S. Quarts	61.0-63.8 Liters
Power Unit Size: (Open/Enclosed)		
	Length	74.1/64.7 in.
	Width	41.8/41.8 in.
	Height	61.7/72.3 in.



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