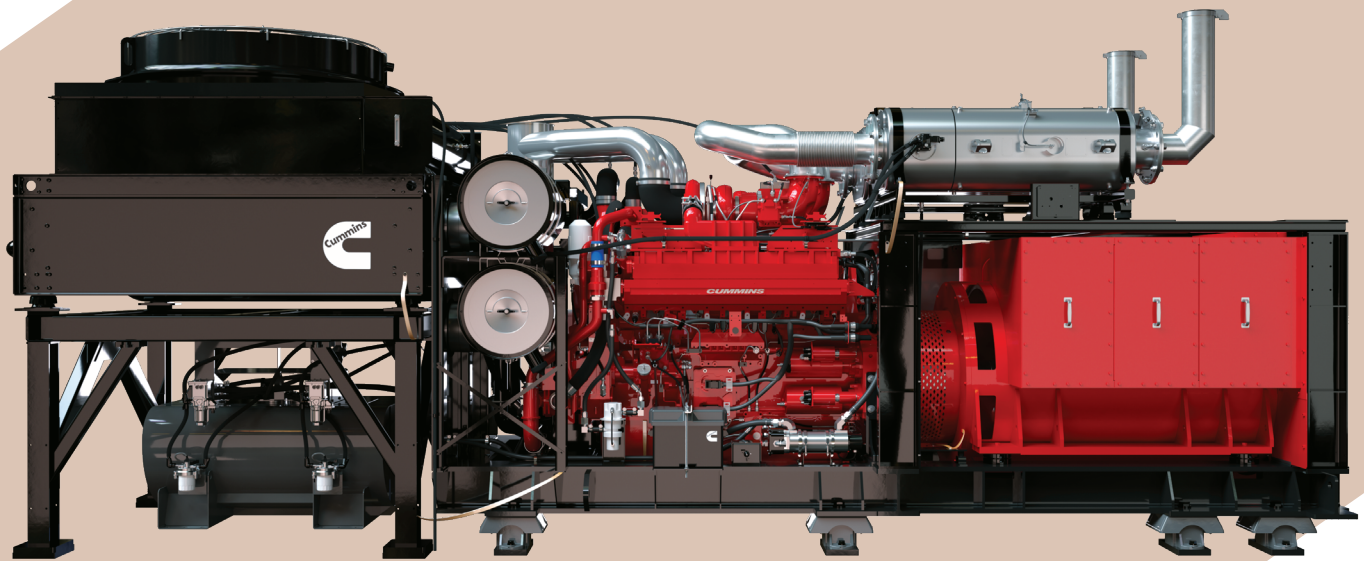


QST30 Tier 4 Locomotive Switcher



QST30

Make the switch to Tier 4

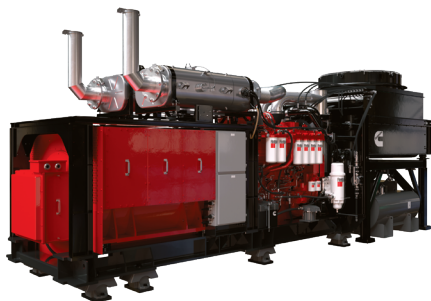
Make your locomotive switchers Tier 4 certified, more fuel efficient and ultra-reliable with the Cummins QST30 power module. Perfectly sized for repowering 1,000 hp to 1,500 hp switcher locomotive, this module features an engine, SCR emissions system and alternator — all on one convenient skid. Reduce fuel consumption and qualify for Tier 4 government funding with this easy-to-install, drop-in solution.



SPECIFICATION FOR LOCOMOTIVE POWER MODULE

System	Specification
Engine	Cummins QST30 Tier 4 Locomotive Switch certified 1,000*, 1,050, 1,200, or 1,500 bhp (Intermittent) @ 1,800 RPM V12 Configuration Twin Wastegate Turbos & Exhaust Throttle Valve 64VDC pre-lube pump & starters
Alternator	Kato Dual Bearing – Dual Winding Slip ring brush type design Traction Alternator: <ul style="list-style-type: none"> • 1,000 kW @ 1,800 RPM • 750 volts rectified DC output • 2,100 Amps continuous / 3,000 Amps intermittent Companion Alternator: <ul style="list-style-type: none"> • 250 kW, 360 kVA, 0.80 lagging power factor • 400 or 200 VAC, 3-phase at 1,800 RPM
Mounting	Fabricated base frame for mounting engine and alternator rubber isolators between base frame and locomotive frame
Cooling	Fully engineered package mounted to locomotive frame Aluminum bar-plate core construction Split jacket water and aftercooler circuits Expansion tank with low coolant level sensor
Air Intake	Fleetguard metal canister 2-stage air cleaners
Exhaust	Cummins Emissions Solutions Dual 4000 Series SCR Canisters DEF tank, pump, filters, and lines included Insulation blankets covering tubing and silencer
Fuel	Three stage fuel filtration 64VDC electric fuel transfer pump to pull fuel from tank
Lube Oil	Spin-on lube oil filters with Centriguard centrifuge
Air Compressor (not supplied)	Provision for electrically driven from companion alternator
Electrical	24VDC electrical system for engine including dual batteries
Options	TMV TECU System Engine cold start aids Fuel system – active water separator and kidney loop
Weight	34,000 lbs (approximate w/cooling pkg.)
Dimensions	W = 64" x H = 88" x L = 267" (w/cooling pkg.)
Coolant Capacity	120 gallons
Lube Oil Capacity	35 gallons
Maintenance Interval	1,500 hours

* EPA Non-road certification



For more information on Cummins complete line of solutions for the rail industry visit cummins.com/engines/rail.



The Cummins QST30 Tier 4 Power Module is designed for ease of installation into multiple locomotive models. We pre-assemble the entire unit, including the engine, alternator, air intake, and exhaust, on a base skid. A separate cooling package is mounted directly to the locomotive frame with plumbing to and from the engine.

We work with the locomotive manufacturer or rebuilder on any modifications to the frame and/or hatch as well as electronic wiring and controls. Installation and service manuals will also be provided to guide the customer.

This engine is engineered, built and tested to deliver exceptional fuel economy, performance and reliability with reduced maintenance costs for decades of operation.

The Cummins Tier 4 Locomotive Power Module provides reliability with a positive impact on the environment.



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