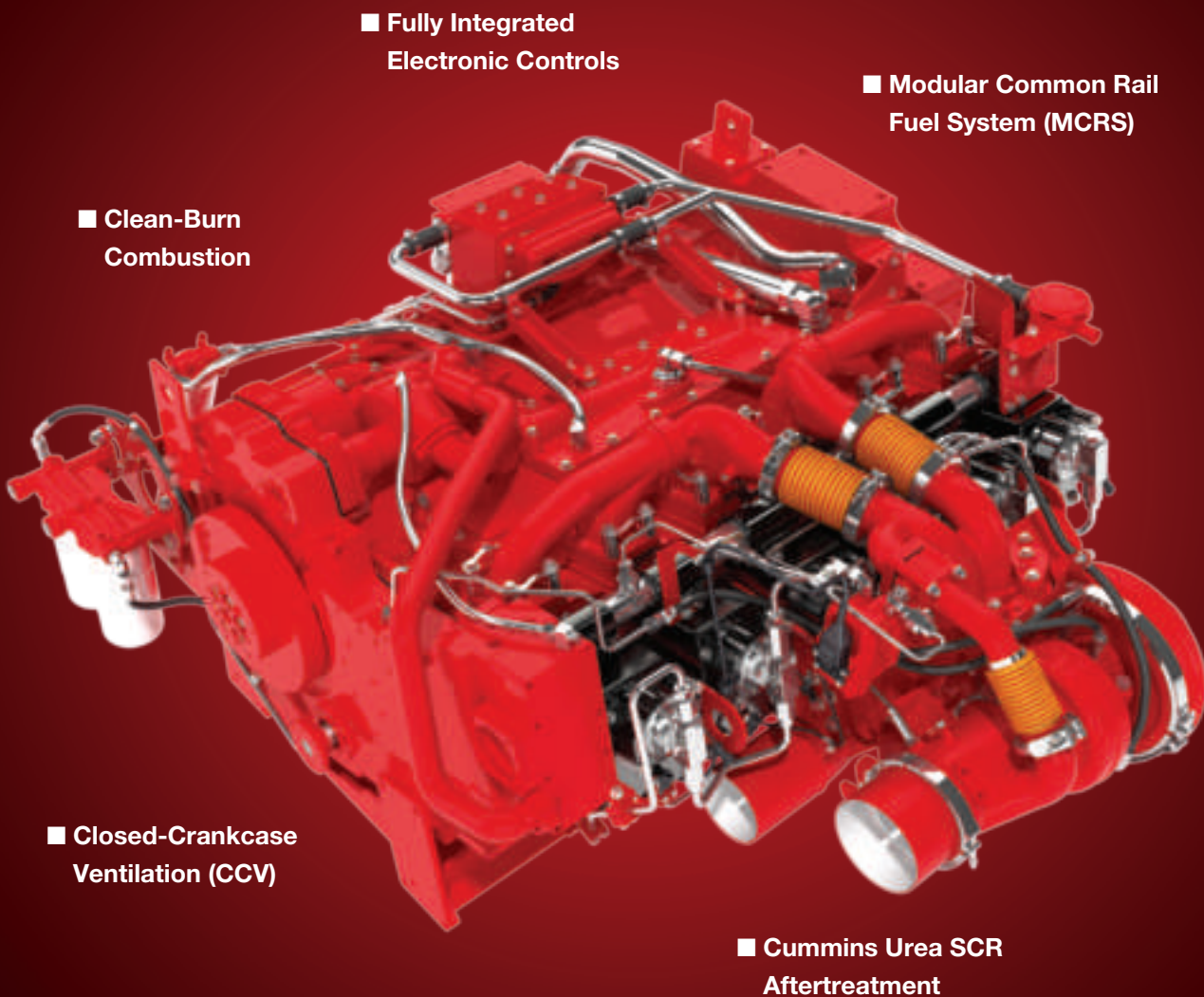




Better Train Of Thought.

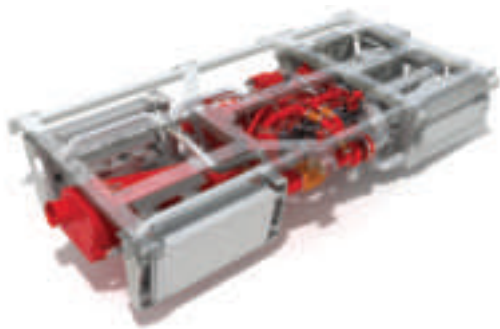
QSK19-R For U.S. EPA Tier 4 And EU Stage IIIB.
For Railcar And Other Low-Profile Applications.



Clean, Reliable Power. QSK19-R.

The original QSK19-R, released in 1999 with the High-Pressure Injection fuel system (HPI), powered the world's fastest diesel railcar to 222 km/hr (138 mph) and quickly set new industry standards for high reliability and low operating costs in passenger rail service. The all-new Cummins QSK19-R, now upgraded with a Modular Common Rail Fuel System (MCRS) and urea Selective Catalytic Reduction (SCR) aftertreatment, delivers the same reliable power and economical operation at Tier 4/Stage IIIB emissions standards.

The proven base engine is improved with a cooler operating piston and even more premium materials to increase the already-leading life-to-overhaul. Years of refinements to the engine block allow multiple rebuilds, typically retaining up to 95 percent of original life. Additionally, a new integrated turbocharger mount solves exhaust manifold durability concerns common in cyclical applications.



MCRS Fuel System – Has proven reliability and durability in the toughest applications around the world. Precision multi-injection fueling control at ultra-high pressure, regardless of engine speed and load, is the foundation for clean-burn combustion, lowest noise and unmatched performance.



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Bulletin 4087268 Printed in U.S.A. 8/12
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Horizontal Configuration – The low-profile design is ideally suited for under-floor diesel multiple units (DMUs), which require easy access for efficient serviceability.

Lowest Emissions – Clean-burn technology significantly reduces engine-out Particulate Matter (PM) and does not require an exhaust particulate filter. Nitrogen Oxide (NOx) emissions are reduced with urea SCR, which has proven to be robust, reliable and extremely effective.

Closed-Crankcase Ventilation – Eliminates 100 percent of crankcase emissions at all times. Efficient, service-free filtration strips the oils and feeds the gases back into the engine for complete combustion, ensuring a clean engine compartment and a cleaner environment.

Proven Durability – With 1,700 engines in railcar service around the world, the QSK19-R has earned a world-class reputation for reliability and durability. An upgraded power cylinder delivers greater life-to-overhaul of up to 300,000 gallons of fuel burned.

Cummins Turbo Technologies – A single-stage turbocharger coupled with an exhaust wastegate controls air-fuel ratio at any altitude and greatly increases acceleration.

Extended Service Intervals – A combination of premium Fleetguard® oil filters and fuel filters, and skilled application engineering, delivers more hours on the rails and less in the shop.

QSK19-R Specifications

Advertised Horsepower	755 HP	563 KW
Governed Speed	1800/2000 RPM	
Displacement	1160 CU IN	19 LITERS
Bore and Stroke	6.25 x 6.25 IN	159 x 159 MM
Engine Configuration	In-line 6 cylinder	
Weight (Dry)	4,436 LB	2,012 KG
Length	66 IN	168 CM
Width	76 IN	193 CM
Height	34 IN	86 CM