



QSK19 MCRS

Marine Propulsion & Auxiliary Engines
IMO Tier II and EPA Tier 3 certified

Specifications

Configuration	In-line, 6 cylinder, 4 stroke diesel
Bore & Stroke	159 mm X 159 mm (6.25 in X 6.25 in)
Displacement	19 L (1150 in ³)
Rotation	Counterclockwise facing flywheel
Aspiration	Turbocharged/Aftercooled
Emissions	IMO Tier II and EPA Tier 3



Dimensions

Length	2007 mm	79 in
Width	963 mm	38 in
Height	1880 mm	74 in
Weight	2189 kg	4825 lb

Dimensions and weight may vary based on selected engine configuration

Ratings

Engine Model	Output Power		Engine Speed RPM	Rating Definition	Fuel Consumption	
	kW	HP			Rated Speed L/hr (gal/hr)	ISO* L/hr (gal/hr)
Variable Speed						
QSK19-M	492	660	1800	Continuous	N/A	N/A
QSK19-M	560	750	1800	Heavy Duty	N/A	N/A
QSK19-M	567	760	2100	Heavy Duty	N/A	N/A
QSK19-M	597	800	2100	MCD	N/A	N/A
Fixed Speed						
QSK19-DM	563	755	1800 (60 Hz)	Prime	N/A	N/A

* Average fuel consumption based on ISO 8178 E3 Standard Test Cycle (variable speed models) and ISO 8178 D2 Standard Test Cycle (fixed speed models)

The Right Technology. **Matters.**

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Features and Benefits

Engine Design - Reliable base engine uses common components from the proven K19, K38 and K50 engines. A new cast-iron, ductile single-piece piston with nitride-coated rings and hardened cylinder liner provides excellent durability and long life

Fuel System - Modular Common Rail Fuel System features a simplified design which provides constant high injection pressure regardless of engine speed or load condition. Benefits include low noise and vibration for quiet operation, idle stability and low-end torque

Cooling System - Single-loop cooling eliminates the need for two keel coolers for reduced installation expense. Engine-mounted titanium plate heat exchanger provides superior durability with minimal maintenance requirements

Exhaust System - Water-cooled exhaust manifold cools engine surface temperatures. Design is a cast single piece construction that eliminates potential exhaust leakage

Air System - Mounted or remote marine grade air cleaner with replaceable element reduces maintenance cost. Water-cooled turbocharger optimized for vessel operating conditions and safety

Lubrication System - Standard capacity 60.6 L (16 U.S. gal) oil pan with shallow, rear or front sump

for installation flexibility. Cummins spin-on oil filters available on engine service side

Electronics - 24-volt Quantum System electronics feature a proven CM850 ECM to monitor operating parameters, while providing diagnostics, prognostics and complete engine protection. Simplified electrical customer interface box for all vessel connections reduces installation complexity

Certifications - Complies with IMO Tier II and EPA Tier 3 emissions regulations. Designed to meet International Association of Classification Societies (IACS) and SOLAS requirements. Consult your local Cummins professional for a complete listing of available class approvals

Optional Equipment

- C Command panels
- ELIMINATOR™
- Premium coolant hose connections
- Duplex lube oil and fuel filtration
- Integral marine gear oil cooler
- SAE A or B auxiliary drive
- Front PTO adaptor
- Fully integrated, type-approved alarm and safety system



Cummins Inc.
4500 Leeds Avenue - Suite 301
Charleston, SC 29405-8539
U.S.A.

Internet: marine.cummins.com
Email: wave.master@cummins.com

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