

# QSK19

## Marine Propulsion and Auxiliary Engines for Commercial and Recreational Applications

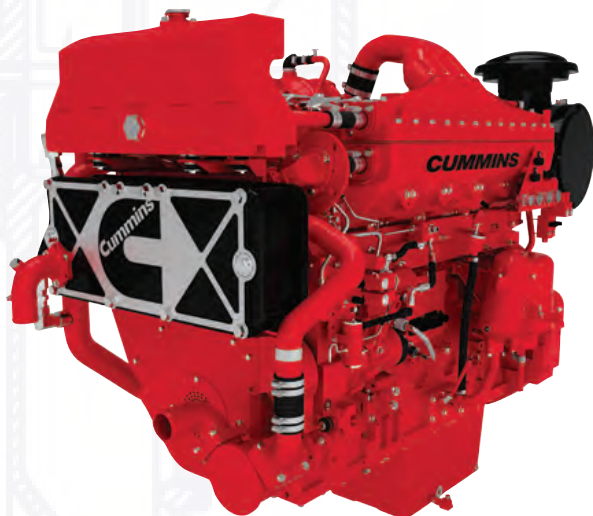
### General Specifications

Configuration	In-line, 6-cylinder, 4-stroke diesel
Aspiration	Turbocharged / Aftercooled
Displacement	19 L
Bore & Stroke	159 X 159 mm
Rotation	Counterclockwise facing flywheel
Fuel System	High Pressure Common Rail

### Product Dimensions and Weight

Overall Length	mm	2009.6
Length of Block	mm	1200.2
Overall Width	mm	1087.7
Overall Height	mm	1764.6
Weight	kg	2200

Dimensions and weight may vary based on selected engine configuration.



### Power Ratings

Engine Model	Output Power			Engine Speed RPM	Rating Definition	Fuel Consumption		Emissions			
	kW	MHP	BHP			Rated Speed L/hr (gal/hr)	ISO* L/hr (gal/hr)	IMO	EPA	EU	RCD
<b>Variable Speed</b>											
QSK19-M	373	507	500	1800	Continuous	95.3 (25.2)	68.8 (18.2)	2	—	3a	—
QSK19-M	447	608	600	1800	Continuous	114.8 (30.3)	77.7 (20.5)	2	—	3a	—
QSK19-M	492	669	660	1800	Continuous	126.3 (33.4)	94.9 (25.1)	2	—	3a	—
QSK19-M	492	669	660	1800	Continuous	128.1 (33.8)	90.7 (24.0)	2	3	—	—
QSK19-M	560	760	750	1800	Heavy Duty	140.9 (37.2)	99.2 (26.2)	2	—	3a	—
QSK19-M	560	760	750	1800	Continuous	147.5 (39.0)	104.5 (27.6)	2	3	—	—
QSK19-M	567	771	760	2100	Heavy Duty	149.0 (39.4)	104.0 (27.5)	2	—	3a	—
QSK19-M	597**	811	800	1800	Heavy Duty	156.2 (41.3)	109.9 (29.0)	2	3	3a	—
QSK19-M	597**	811	800	2100	Heavy Duty	166.9 (44.1)	114.8 (30.3)	2	3	—	—
QSK19-M	597	811	800	2100	Medium Continuous	158.5 (41.9)	109.7 (29.0)	2	—	3a	—
<b>Fixed Speed</b>											
QSK19-DM	433	588	580	1500 (50 Hz)	Prime Power	111.1 (29.3)	57.9 (15.3)	2	—	—	—
QSK19-DM	526	715	705	1500 (50 Hz)	Prime Power	133.7 (35.3)	66.2 (17.5)	2	—	—	—
QSK19-DM	563	765	755	1800 (60 Hz)	Prime Power	142.3 (37.6)	72.4 (18.8)	2	—	3a	—
QSK19-DM	563	765	755	1800 (60 Hz)	Prime Power	148.5 (39.2)	75.8 (20.0)	2	3	—	—
QSK19-DM	597**	811	800	1800 (60 Hz)	Prime Power	158.1 (41.8)	81.9 (21.6)	2	3	—	—

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

\*\* Contact your local Cummins distributor to discuss product details and availability

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## Marine Propulsion and Auxiliary Engines for Commercial and Recreational Applications

### 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 shallow oil pan or high capacity 72 L deep oil pan for installation flexibility. Cummins spin-on oil filters available on engine service side

**Electronics** – 24V 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, EPA Tier 3 and EU Stage IIIa emissions regulations. Designed to meet International Association of Classification Societies (IACS) and SOLAS requirements.

### Optional Equipment

- C Command panels
- ELIMINATOR™ oil filtration system
- 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
- CENTINEL oil management system