

QSK19

MARINE PROPULSION AND AUXILIARY ENGINES

COMMERCIAL AND RECREATIONAL APPLICATIONS

GENERAL SPECIFICATIONS

Configuration	In-line, 6-cylinder, 4-stroke diesel
Aspiration	Turbocharged / Aftercooled
Displacement	19 L [1150 in ³]
Bore & Stroke	159 x 159 mm [6.25 x 6.25 in]
Rotation	Counterclockwise facing flywheel
Fuel System	Modular Common Rail System (MCRS)

PRODUCT DIMENSIONS AND WEIGHT

Overall Length	mm (in)	2009 (79)
Length of Block	mm (in)	1200.2 (47.25)
Overall Width	mm (in)	963 (38)
Overall Height	mm (in)	1880 (74)
Weight	kg (lb)	2189 (4825)



POWER RATINGS

Engine Model	Output Power		Engine Speed RPM	Rating Definition	Fuel Consumption				Emissions		
	kW	BHP			Rated Speed L/hr (gal/hr)	ISO* L/hr (gal/hr)	IMO	EPA	EU		
Variable Speed											
QSK19-M	373	500	1800	Continuous	95.3	25.2	68.8	18.2	2	—	—
QSK19-M	373	500	1800	Continuous	100.1	26.5	72.4	19.1	2	3	—
QSK19-M	447	600	1800	Continuous	114.8	30.3	77.7	20.5	2	—	—
QSK19-M	447	600	1800	Continuous	119.1	31.5	85.2	22.5	2	3	—
QSK19-M	492	660	1800	Continuous	126.3	33.3	94.9	25.1	2	—	—
QSK19-M	492	660	1800	Continuous	128.1	33.8	90.7	24.0	2	3	—
QSK19-M	560	750	1800	Heavy Duty	140.4	37.1	99.2	26.2	2	—	—
QSK19-M	560	750	1800	Continuous	147.5	39.0	104.5	26.7	2	3	—
QSK19-M	567	760	2100	Heavy Duty	148.7	39.3	104.0	27.5	2	—	—
QSK19-M	597**	800	1800	Heavy Duty	156.2	41.3	109.9	29.0	2	3	—
QSK19-M	597**	800	2100	Heavy Duty	166.9	44.1	114.8	30.3	2	3	—
QSK19-M	597	800	2100	Med. Continuous	158.8	41.9	109.7	29.0	2	—	—
Fixed Speed											
QSK19-DM	433	580	1500	Prime	111.1	29.3	57.9	15.3	2	—	—
QSK19-DM	526	705	1500	Prime	133.7	35.3	66.2	17.5	2	—	—
QSK19-DM	563	755	1800	Prime	142.3	37.6	72.4	18.8	2	—	—
QSK19-DM	563	755	1800	Prime	148.5	39.2	75.8	20.0	2	3	—
QSK19-DM	597**	800	1800	Prime	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 Cycle (fixed speed models).

** Contact your local Cummins distributor to discuss product details and availability. Also for a complete listing of available class approvals.

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 – MCRS 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, and an engine mounted titanium plate heat exchanger provides superior durability.

Exhaust System – Water-cooled exhaust manifold cools engine surface temperatures with a cast single piece design 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) shallow oil pan or high capacity 72 L (19 U.S. gal) deep oil pan for installation flexibility. Cummins spin-on oil filters available on engine service side.

Electronics – User friendly 24v Quantum System electronics feature a proven CM850 ECM to monitor operating parameters, while providing diagnostics, prognostics and complete engine protection.

Certifications – Complies with IMO II & EPA 3 emission regulations and meets 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



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Bulletin 4087437 Rev. 4/20
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