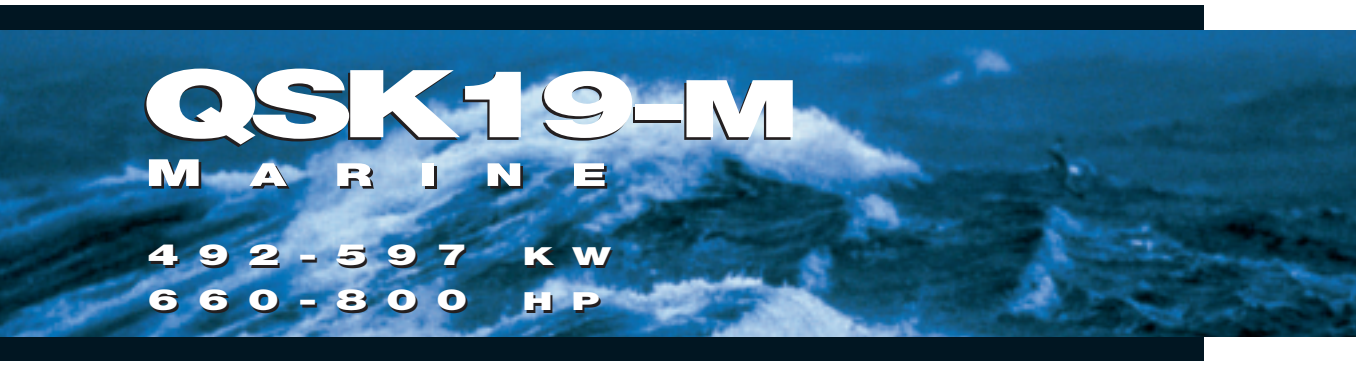


Engine Specifications

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)
Compression Ratio	15:1
Rotation	Counterclockwise facing flywheel
Oil Pan Capacity	72 L (19 gal)

Power Ratings

Power Rating	Continuous Duty	Heavy Duty	Medium Duty
Rated RPM	1800	2100	2100
kW (BHP)	492 (660)	567 (760)	597 (800)
Max Torque (N·m) (ft-lb) RPM	2797 2062 1500	3105 2290 1400	3109 2293 1400

Ratings are IMO emissions compliant.

Standard Features

Engine Design
Heavy duty electronic in-line six cylinder configuration designed for maximum durability for Marine applications. Four cycle design for quiet and fuel-efficient operation. Low-profile for ease of installation and service access. Replaceable wet cylinder liners for longer life and lower rebuild costs. Forged steel, articulated piston for increased power/torque capacity.

Electronic System
Cummins Quantum electronic system for engine monitoring, protection, diagnostics, emissions control and maximum performance.

Environmental/Emissions
Certified by U.S. EPA and Lloyd's Register of Shipping for IMO Emissions. Optimized performance for minimal smoke. Designed for leak free operation.

Cooling System
Heat exchanger or keel-cooled configuration. Heat exchanger system is low profile and engineered for simplicity, utilizing o-ring seals and piping that eliminates hoses and clamps for leak-free operation. Spin-on Fleetguard water treatment filters.

Air System
Holset turbocharger optimized for marine applications. Marine grade air filter with air inlet restriction indicator. Shielded aerodynamic dry exhaust manifold for increased fuel efficiency and improved emissions. Low temperature aftercooled for optimum performance and durability.

Fuel System
Cummins Quantum electronic fuel system for added reliability and precise fuel injection.

Lubrication System
Cast aluminum marine grade high capacity lube oil pan. Fleetguard combination filters which include bypass and primary filters into one cartridge for simplified service and reduced disposal cost.

Electrical System
24-volt, 100 amp alternator with isolated ground components. Optional 12-volt compatible converter.

Available Accessories

Digital Engine Data Display
Back-up Throttle
Gear Driven Accessory Drive - SAE A or B
Classification Society Approvals - Consult your local Cummins professional for a current listing
Marine Gear Oil Cooler - Intrgral with engine
Engine Room & Pilot House Panels

QSK19-M

MARINE

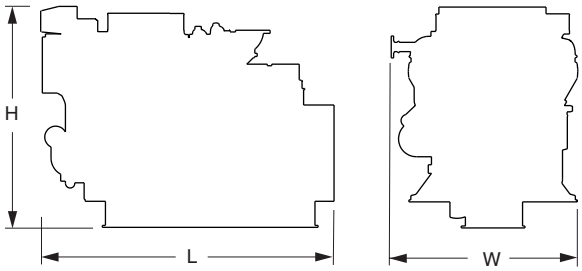
492-597 KW
660-800 HP

Cummins Marine

ENGINE DIMENSIONS

Length		Width		Height	
mm	in	mm	in	mm	in
1792	71	1065	42	1647	65

	Weight	
	kg	lb
KC	2373	5231
HX	2551	5623



PERFORMANCE DATA

Rating	Continuous Duty 660 bhp*			
RPM	1800	1600	1400	1200
kW	492	349	232	147
g/kW-hr	211	206	219	225
L/hr	123.8	85.7	60.6	39.5
bhp	660	467	312	197
lb/hp-hr	.347	.340	.359	.370
g/hr	32.7	22.7	16	10.4

Rating	Heavy Duty 760 bhp*			
RPM	2100	1800	1600	1400
kW	567	374	272	189
g/kW-hr	214	200	200	201
L/hr	144.7	88.9	64.9	45.5
bhp	760	501	365	254
lb/hp-hr	.352	.328	.328	.331
g/hr	38.2	23.5	17.1	12

Rating	Medium Duty 800 bhp*			
RPM	2100	1800	1600	1400
kW	597	394	286	200
g/kW-hr	216	207	213	222
L/hr	153.9	97.3	72.6	52.9
bhp	800	528	384	268
lb/hp-hr	.356	.341	.350	.366
g/hr	40.7	25.7	19.2	14

**Ratings are IMO emissions compliant.*
Above data represents performance along a 2.7 fixed pitch propeller curve. Fuel consumption has a tolerance of +5% and is based on fuel of 35° API gravity at 16°C (60°F) having an LHV of 42,780 KJ/KG (18,390 BTU/lb) when used at 29°C (85°F) and weighing 838.9 g/liter (7.001 lb/US gal). Observed horsepower is certified within ±3% of rated horsepower. Cummins has always been a pioneer in product improvement. Thus specifications may change without notice. Consult your local Cummins professional for further information.

Cummins Marine

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