

# QSK60-M

M A R I N E P R O P U L S I O N

1 4 9 2 - 1 7 1 6 K W

2 0 0 0 - 2 3 0 0 H P

## ENGINE SPECIFICATIONS

Configuration	V-16 Cylinder, 4-Stroke Diesel
Bore & Stroke	159 mm x 190 mm (6.25 in x 7.48 in)
Displacement	60.2 L (3672 in <sup>3</sup> )
Rotation	Counterclockwise facing flywheel
Compression Ratio	14.5:1



## POWER RATINGS

Power Rating	Continuous Duty	Continuous Duty	Heavy Duty
Rated RPM	1800	1800	1900
kW (BHP)	1492 kW (2000 hp)	1641 kW (2200 hp)	1716 kW (2300 hp)
Max Torque (N·m) (ft·lb)	8365 6169	9054 6677	9054 6677
RPM	1500	1500	1500

## ENGINE FEATURES

### Certifications

Emissions compliant to IMO Annex VI of MARPOL 73/78 and CCNR guidelines. Certifications available from the U.S. EPA and Lloyd's Register.

### Engine Design

Robust engine block designed for continuous duty operation and long life. Metric O-ring seals and edge molded gaskets eliminate fluid leaks. Full power take-off available from front of crankshaft. Ductile single-piece piston design with hardened liners and nitride coated rings for exceptional durability.

### Cooling System

Keel cooled or engine mounted plate-type heat exchanger available.

### Air System

Holset turbochargers (four) optimized for marine applications. Two pump, two loop low temperature aftercooling for efficient operation and optimization of performance.

### Fuel System

Full authority Quantum electronic fuel system optimizes combustion for enhanced fuel economy as well as reduced emissions and minimal smoke. Features allow customization for individual engine application.

### Lubrication System

Cummins Eliminator™ (replaces disposable filters) and Centinel™ Oil Management System provides extended service intervals and less maintenance. Standard capacity (261 L [69 g]) or large capacity (378 L [100 g]) oil pan available allows for longer oil change intervals. Prelub system protects engine from damage due to dry starts.

### Electrical System

24-volt, 100 amp alternator with isolated ground components.

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## ENGINE DIMENSIONS

Length		Width		Height		Weight	
mm	in	mm	in	mm	in	kg	lb
3359	132.2	1730	68.1	2131	83.9	KC 8282	18,220
						HX 8730	19,207

## PERFORMANCE DATA

Rating	Continuous Duty 2000 hp			
RPM	1800	1600	1400	1200
kW	1492	1048	702	442
g/kW-hr	206	210	216	220
L/hr	366	262	181	116
bhp	2000	1405	941	593
lb/hp-hr	.338	.345	.355	.362
gal/hr	96.7	69.3	47.7	30.7

Rating	Continuous Duty 2200 hp			
RPM	1800	1600	1400	1200
kW	1641	1153	772	486
g/kW-hr	206	208	216	217
L/hr	403	285	199	126
bhp	2200	1545	1035	652
lb/hp-hr	.339	.341	.355	.356
gal/hr	106.4	75.3	52.5	33.2

Rating	Heavy Duty 2300 hp			
RPM	1900	1700	1400	1200
kW	1716	1229	686	432
g/kW-hr	209	209	215	221
L/hr	427	306	176	114
bhp	2300	1648	920	579
lb/hp-hr	.343	.343	.353	.364
gal/hr	112.8	80.8	46.4	30.1

Above data represents performance along a 3.0 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/U.S. gal) with LTA. Observed power output is certified within ± 3% of rated power. Cummins has always been a pioneer in product improvement. Thus specifications may change without notice. Consult your local Cummins professional for further information.

### Rating Definitions

Ratings are based on ISO 8665 conditions of 100kPa(29.612 in Hg) and 25 °C (77 °F) and 30% relative humidity. Propeller shaft power represents the net power available after typical gear losses and is 97% of rated power. Power rated in accordance with IMCI procedures.

### Continuous Duty

Intended for continuous use in applications requiring uninterrupted service at full power. This rating is an ISO 3046 standard power rating.

### Heavy Duty

Intended for continuous use in variable load applications where full power is limited to eight hours out of every ten hours of operation. Also, reduced power operations must be at or below 200 rpm of the maximum rated rpm. This rating is an ISO 3046 fuel stop power rating and is for applications that operate less than 5,000 hours per year.



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