QSK38 IMO III

MARINE PROPULSION AND AUXILIARY ENGINES

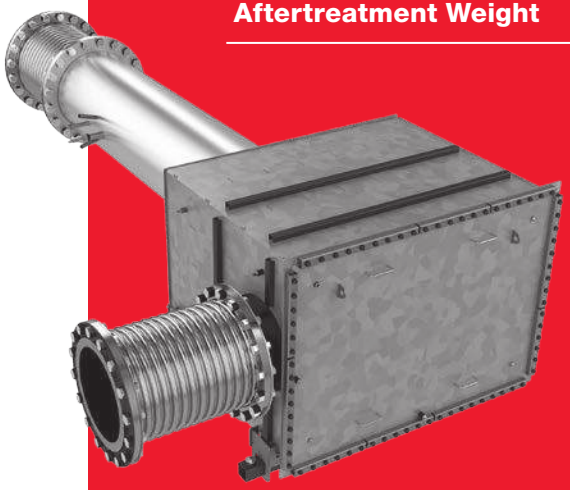
COMMERCIAL AND RECREATIONAL APPLICATIONS

GENERAL SPECIFICATIONS

Configuration	V-12 cylinder, 4-stroke diesel
Aspiration	Turbocharged / Aftercooled
Displacement	38 L [2300 in^3]
Bore & Stroke	159 x 159 mm [6.25 x 6.25 in]
Rotation	Counterclockwise facing flywheel
Fuel System	Modular Common Rail

PRODUCT DIMENSIONS AND WEIGHT

Overall Length	mm (in)	2282 (90)
Overall Width	mm (in)	1573 (62)
Overall Height	mm (in)	2242 (88)
Weight	kg (lb)	4850 (10692)
Aftertreatment Weight	kg (lb)	133 (293)



POWER RATINGS

Engine Model	Output Power		Engine Speed RPM	Rating Definition	Fuel Consumption				Emissions IMO
	kW	BHP			Rated Speed L/hr (gal/hr)		ISO* L/hr (gal/hr)		
Variable Speed									
QSK38-M1	746	1000	1800	Continuous	TBA**	TBA**	TBA**	TBA**	3
QSK38-M1	969	1300	1800	Continuous	TBA**	TBA**	TBA**	TBA**	3
QSK38-M1	1044	1400	1800	Heavy Duty	TBA**	TBA**	TBA**	TBA**	3
Fixed Speed									
QSK38-DM1	1044	1400	1800	Prime	TBA**	TBA**	TBA**	TBA**	3

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

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. No matter the vessel, Cummins will keep you always on.

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 – Two-pump, two-loop, low temperature aftercooling maximizes efficiency and improves performance. Engine-mounted titanium plate heat exchanger provides superior durability with minimal maintenance requirements.

Exhaust System – Dry-shielded exhaust manifold and turbocharger. Vertical or horizontal exhaust connections available for installation flexibility.

Air System – Turbocharger optimized for vessel operating conditions and safety. Mounted or remote marine grade air cleaner with replaceable canister reduces maintenance cost.

Lubrication System – Standard capacity 151 L (40 gal) and high capacity 204 L (54 gal) marine grade oil pan. Cummins spin-on oil filters available for easy accessibility and servicing.

Electronics – 24v Quantum System electronics feature an ECM to monitor operating parameters, while providing diagnostics, prognostics and complete engine protection. Simplified electrical customer interface box for all vessel connections to reduce installation complexity.

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

Aftertreatment System – Lower DEF Consumption, Higher Sulfur Tolerance, and keeping idle up to speed.

OPTIONAL EQUIPMENT

- C Command panels
- ELIMINATOR™ oil filtration system
- Premium coolant hose connections
- Duplex lube oil and fuel filtration
- SAE A or B (keel cooled only) accessory drives
- Front PTO adaptor
- Pre-lube with QuickEvac
- Air or electric starter
- Rigid or flexible mounting arrangements

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