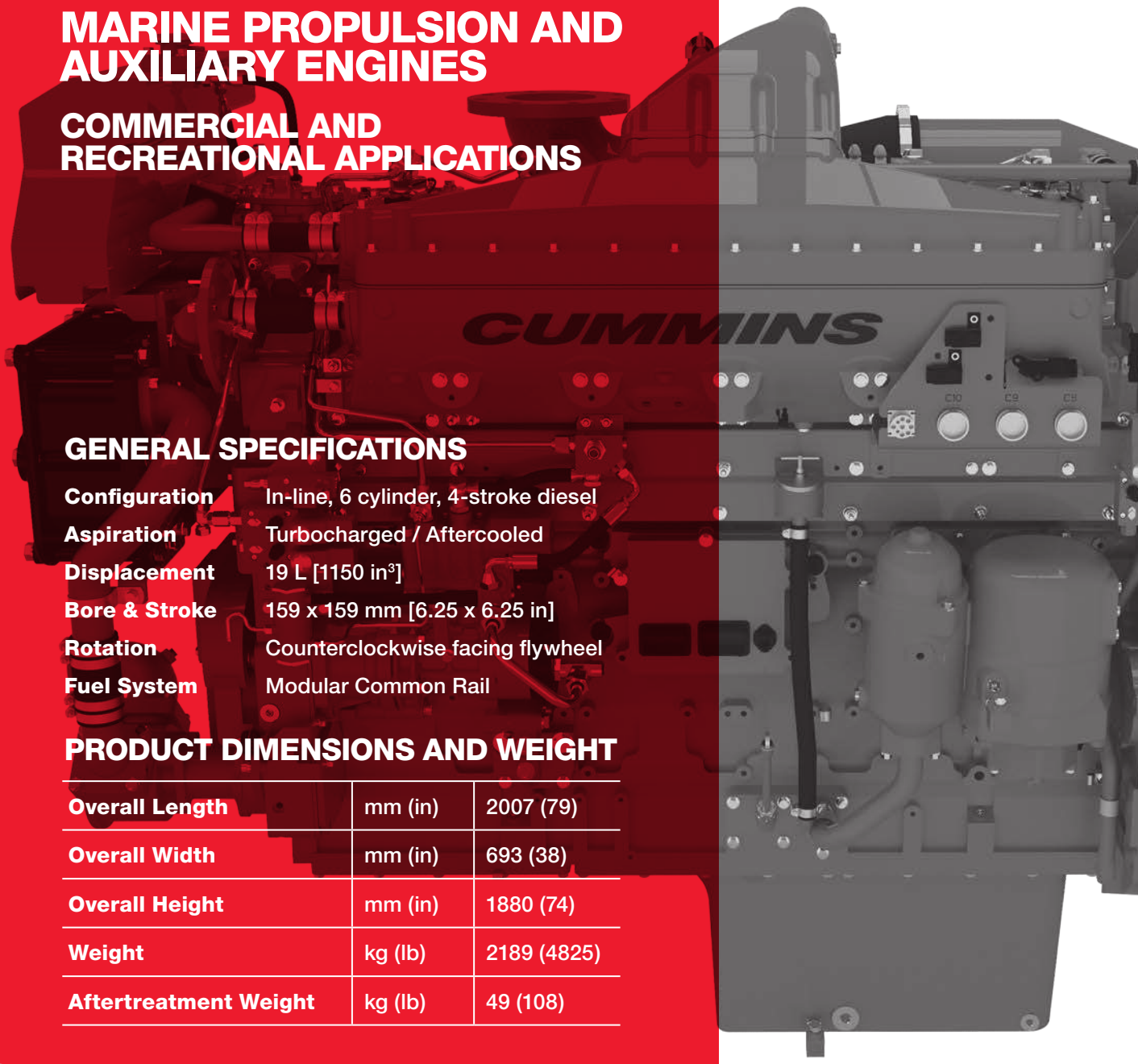
QSK19 IMO III

MARINE PROPULSION AND AUXILIARY ENGINES

COMMERCIAL AND RECREATIONAL APPLICATIONS

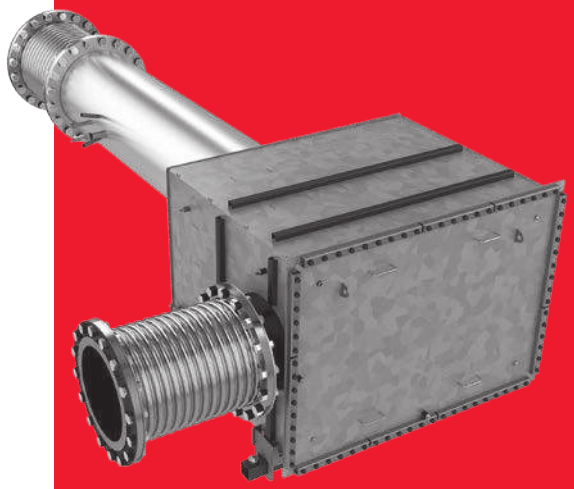


GENERAL SPECIFICATIONS

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

PRODUCT DIMENSIONS AND WEIGHT

Overall Length	mm (in)	2007 (79)
Overall Width	mm (in)	693 (38)
Overall Height	mm (in)	1880 (74)
Weight	kg (lb)	2189 (4825)
Aftertreatment Weight	kg (lb)	49 (108)



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									
QSK19-M	373	500	1800	Continuous	TBA**	TBA**	TBA**	TBA**	3
QSK19-M	447	600	1800	Continuous	TBA**	TBA**	TBA**	TBA**	3
QSK19-M	492	660	1800	Continuous	TBA**	TBA**	TBA**	TBA**	3
QSK19-M	559	750	1800	Heavy Duty	TBA**	TBA**	TBA**	TBA**	3
QSK19-M	567	760	2100	Heavy Duty	TBA**	TBA**	TBA**	TBA**	3
QSK19-M	597	800	1800	Heavy Duty	TBA**	TBA**	TBA**	TBA**	3
QSK19-M	597	800	2100	Medium Continuous	TBA**	TBA**	TBA**	TBA**	3
Fixed Speed									
QSK19-DM	433	580	1500	Prime	TBA**	TBA**	TBA**	TBA**	3
QSK19-DM	526	705	1500	Prime	TBA**	TBA**	TBA**	TBA**	3
QSK19-DM	597	800	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 – 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 optimised 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 – 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 III emissions regulations. Designed to meet 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
- Integral marine gear oil cooler
- SAE A or B auxiliary drive
- Front PTO adaptor
- Fully integrated, type approved alarm and safety system

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