



6CT8.3-D(M)

Marine Auxiliary Engines

Specifications

Configuration	In-line 6 cylinder, 4 stroke diesel
Bore & Stroke	114 mm X 135 mm (4.49 in X 5.32 in)
Displacement	8.3 L (504.5 in ³)
Rotation	Counterclockwise facing flywheel
Aspiration	Turbocharged
Emissions	IMO Tier I

Dimensions

Length	1182 mm	47 in
Width	710 mm	28 in
Height	1137 mm	45 in
Weight	684 kg	1505 lb

Dimensions and weight may vary based on selected engine configuration

Ratings

Engine Model	Output Power		Engine Speed RPM	Rating Definition	Fuel Consumption	
	kW	HP			Rated Speed L/hr (gal/hr)	ISO* L/hr (gal/hr)
Fixed Speed						
6CT8.3-D(M)	122	164	1500 (50 Hz)	Prime	30.3 (8.0)	14.9 (3.9)
6CT8.3-D(M)	140	188	1800 (60 Hz)	Prime	36.3 (9.6)	18.7 (4.9)

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

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Features and Benefits

Engine Design - Robust in-line six cylinder designed for high hour marine applications. Single piece crossflow cylinder head for maximum durability and optimized combustion. Replaceable wet cylinders for longer life and lower rebuild cost

Fuel System - In-line Bosch A-Series pump operates at high injection pressures for cleaner combustion and lower emissions

Cooling System - Single loop keel cooling available for simplified installation. Optional fan drive for radiator applications

Exhaust System - Dry exhaust manifold with shielding

Air System - Cummins turbocharger optimized for marine applications with wastegate for exceptional transient response. Marine grade air filter

Lubrication System - Standard capacity (18.9 L [20 qt.]) marine grade oil pan. Spin-on Cummins filters available

Certifications - Complies with IMO emissions regulations. Certificates of compliance are available from the U.S. EPA and Lloyd's Register of Shipping. Consult your local Cummins professional for a complete listing of current marine agency approvals for this engine

Optional Equipment

- SAE A accessory drive
- Electronic governor available



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Bulletin M10061 Printed in U.S.A. REV 11/10
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