

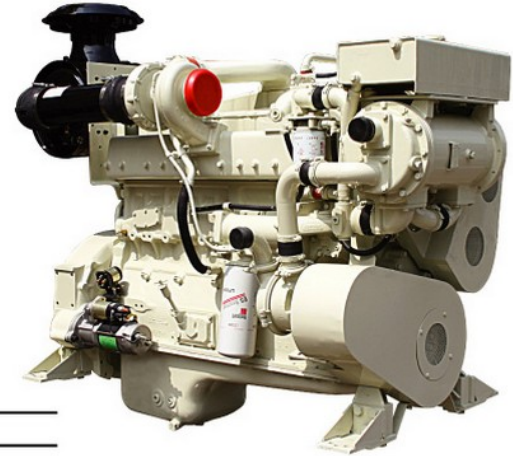
NTA855-M



MARINE PROPULSION 400HP/450HP

ENGINE SPECIFICATIONS

Engine Type	Inline-6 Cylinder, 4-Stroke Diesel
Bore x Stroke	140 mm x 152 mm (5.5 in x 6.0 in)
Displacement	14L (855 in ³)
Rotation	Counterclockwise facing flywheel
Compression Ratio	14.0:1
Emissions	IMO



POWER RATINGS

Power Rating	Continuous Duty	Continuous Duty
Rated RPM	1800	1800
kW (BHP)	298(400)	336(450)
Max Torque (N•m) (lb•ft)	-	1538 1134
RPM	-	1500

ENGINE FEATURES

Certifications

Emissions compliant to IMO Annex VI of MARPOL 73/78 guidelines. Certifications available from the CCS Register

Fuel System

Full authority PT fuel system optimizes combustion for enhanced fuel economy as well as reduced emissions and minimal smoke. Premium fuel injectors utilize ceramic components for increased durability

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. Single-piece piston design with hardened liners and nitride coated rings for exceptional durability

Lubrication System

Fleetguard spin-on oil filters provides extended service intervals and less maintenance. Standard capacity (34.0 L [9.0 gal]) or large capacity (36.0 L [9.5 gal]) oil pan available allows for longer oil change intervals. Prelub system protects engine from damage due to dry starts

Cooling System

Keel cooled or engine mounted plate-type heat exchanger available. Spin-on Cummins corrosion resistor for protection against cooling system corrosion

Exhaust System

Water cooled exhaust manifold reduces emissions and cools engine surface temperature

Air System

WCTT (Holset) HT3B turbochargers optimized for marine applications. Water pump, aftercooling for efficient operation and optimization of performance

Electrical System

24-volt, 100 amp alternator with isolated ground components

ENGINE DIMENSIONS

	Length		Width		Height		Weight	
	mm	in	mm	in	mm	in	kg	lb
HX	1975	77.8	934.6	36.8	1598	62.9	1430	3150
KC	1809	71.2	881.1	34.7	1598	62.9	1310	2890

CUMMINS engine NTA855-M450

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NTA855-M



MARINE PROPULSION 400HP/450HP

PERFORMANCE DATA

Power Rating	Continuous Duty 400 hp			
RPM	1800	1600	1400	1200
kW	299	210	140	88
g/kW•hr	208	210	215	225
l/hr	73.8	52.4	36.0	23.7
bhp	400	281	188	119
lb/hp•hr	0.341	0.345	0.353	0.369
gal/hr	19.5	13.8	9.5	6.3

Power Rating	Continuous Duty 450 hp			
RPM	1800	1600	1400	1200
kW	336	236	158	100
g/kW•hr	209	209	215	222
l/hr	83.6	58.7	40.5	26.3
bhp	450	316	212	133
lb/hp•hr	0.343	0.343	0.353	0.365
gal/hr	22.1	15.5	10.7	7.0

Rating Definitions: Ratings are in accordance with ISO 3046 reference conditions; air pressure at 100 kPa (29.61 in Hg), air temperature 25°C (77°F), and 30% relative humidity.

Fuel Consumption: Based on No. 2 diesel fuel weight at 0.85 kg/liter (7.1 lb/U.S. gal).

Cummins is a pioneer in product improvement. Thus specifications may change without notice, consult your local Cummins professional for further information.

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