NT/NTA855

Marine Propulsion and Auxiliary Engines for Commercial and Recreational Applications

General Specifications

Configuration	In-line, 6-cylinder, 4-stroke diesel
Aspiration	Turbocharged (NT) or Turbocharged / Aftercooled (NTA)
Displacement	14 L (855 in^3)
Bore & Stroke	140 X 152 mm (5.50 X 6.00 in)
Rotation	Counterclockwise facing flywheel
Fuel System	Pressure Time (PT)

Product Dimensions and Weight

Overall Length	mm (in)	1298	(61)
Length of Block	mm (in)	1382	(54.41)
Overall Width	mm (in)	817	(32)
Overall Height	mm (in)	1367	(53)
Weight	kg (lb)	1388	(3060) (NT)
		1433	(3160) (NTA)

Dimensions and weight may vary based on selected engine configuration.

Power Ratings

Engine Model	Output Power kW	MHP	BHP	Engine Speed RPM	Rating Definition	Fuel Consumption Rated Speed L/hr (gal/hr)	ISO* L/hr (gal/hr)	Emissions IMO	EPA	EU	RCD
Variable Speed											
NTA855-M	242	330	325	1800 (60 Hz)	Continous	61.0 (16.1)	45.0 (11.9)	2	–	–	–
NTA855-M	298	406	400	1800 (60 Hz)	Continous	79.0 (20.9)	55.3 (14.6)	2	–	–	–
Fixed Speed											
NT855-DM	209	264	280	1500 (50 Hz)	Prime	N/A	N/A	–	–	–	–
NT855-DM	231	314	310	1500 (50 Hz)	Prime	N/A	N/A	–	–	–	–
NT855-DM	242	330	325	1500 (50 Hz)	Prime	N/A	N/A	–	–	–	–
NT855-DM	254	345	340	1800 (60 Hz)	Prime	N/A	N/A	–	–	–	–
NT855-DM	265	360	355	1800 (60 Hz)	Prime	N/A	N/A	–	–	–	–
NTA855-DM	272	370	365	1800 (60 Hz)	Prime	N/A	N/A	2	–	–	–
NTA855-DM	280	380	375	1500 (50 Hz)	Prime	N/A	N/A	–	–	–	–
NTA855-DM	283	385	380	1500 (50 Hz)	Prime	N/A	N/A	2	–	–	–
NT855-DM	295	401	395	1800 (60 Hz)	Prime	N/A	N/A	–	–	–	–
NTA855-DM	306	416	410	1500 (50 Hz)	Prime	N/A	N/A	–	–	–	–
NTA855-DM	313	426	420	1800 (60 Hz)	Prime	N/A	N/A	–	–	–	–
NTA855-DM	358	487	480	1800 (60 Hz)	Prime	86.7 (22.9)	N/A	–	–	–	–

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

Fuel System – Full authority Cummins Pressure Timed (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

Cooling System – Keel cooled or engine mounted heat exchanger system available. Spin-on Cummins water treatment filters for protection against cooling system corrosion

Exhaust System – Water cooled exhaust manifold reduces emissions and cools engine surface temperatures

Air System – Cummins turbocharger optimized for marine applications. Water pump aftercooling for efficient operation and optimal performance

Lubrication System – Cummins spin-on oil filters for simplified service. Standard capacity (34 L [9 gal]) or large capacity (36 L [9.5 gal]) oil pan available for extended oil change intervals. Prelub system protects engine from damage due to dry starts

Electronics – 24v, 100 amp with isolated ground components

Certifications – Complies with IMO Tier II emissions regulations. Certificates of compliance are available from the Indian Register of Shipping. Consult your local Cummins professional for a complete listing of current marine agency approvals for this engine

Optional Equipment

- Direct mounted front power take-off
- Duplex lube and fuel filtration
- Engine room and pilot house instrumentation with analog gauges
- SAE A and B accessory drives
- Integral marine gear oil cooler

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