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## Worldwide Marine Power Solutions



### ENGINE SPECIFICATIONS

Configuration	In-line 6-cylinder, 4-stroke diesel
Bore & Stroke	140 mm x 152 mm (5.50 in x 6.00 in)
Displacement	14 L (855 in <sup>3</sup> )
Compression Ratio	17:1
Rotation	Counterclockwise facing flywheel
Oil Pan Capacity	36 L (9.58 gallons)

### POWER RATINGS

Rating	Continuous Duty*	Heavy Duty*	Medium Duty*
Rated RPM	1800	1800	2100
kW (Hp)	269 (360) 298 (400) 328 (440)	358 (480)	392 (525)
Max Torque N-m (ft-lb) @ RPM	1653 (1219) @ 1400 (360) 1854 (1367) @ 1400 (400) 1983 (1462) @ 1400 (440)	2035 (1501) @ 1400	2063 (1521) @ 1300

\*Ratings are IMO emissions compliant.

### STANDARD FEATURES

#### Engine Design

Heavy duty in-line six-cylinder configuration. Four-cycle design for quiet and fuel-efficient operation. Low-profile for ease of installation and easy service access. Replaceable wet cylinder liners for longer life and for lower rebuild costs. Articulated piston for increased power/torque capacity.

#### Cooling System

Heat exchanger or keel-cooled configurations. Heat exchanger system is low profile and engineered for simplicity, utilizing o-ring seals and piping that eliminates hoses and clamps for leak-free operation. Spin-on Fleetguard® water treatment filter.

#### Air System

Holset turbocharger optimized for marine applications. Marine grade air filter with air inlet restriction indicator. Water shielded exhaust manifold and turbocharger for excellent performance and reliability.

#### Fuel System

Dependable Cummins PT® fuel system for added reliability. Fleetguard spin-on cartridge fuel filter. Step Timing Control (STC) allows for smooth engine acceleration and minimal smoke.

#### Lubrication System

Cast aluminum, marine grade, (36 L [9.58 gal]) capacity lube oil pan. High-capacity gear-driven lube oil pump, externally mounted for ease of service. Fleetguard combination filter - combined bypass and primary filter cartridge, for simplified service and reduced disposal cost.

#### Electrical System

24-volt standard electrical system with available 24-volt isolated ground components. 24-volt, 60-amp engine-mounted belt-driven alternator. Marine grade wiring harness. Engine alarms/switches for low oil pressure and high water temperature.

#### IMO Emissions Certified

Certificates of compliance are available from the U.S. EPA and Lloyd's Register of Shipping.

### AVAILABLE ACCESSORIES

#### Front Power Take-Off

#### Accessory Drive Pulley

#### Hydraulic Pump Drives (2) SAE A/B available

#### Classification Society

**Approvals:** Check with your local Cummins professional for an updated listing.

Ask your nearest Cummins distributor for other available options.

# N14-M

Cummins MerCruiser Diesel

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### ENGINE DIMENSIONS

Length		Width		Height		Weight	
mm	in	mm	in	mm	in	kg	lb
1451.3	57.14	946.5	37.27	1295.4	51.0	1407	3100

### PERFORMANCE DATA

Rating	Continuous Duty 360 bhp*				Continuous Duty 400 bhp*				Continuous Duty 440 bhp*			
rpm	1800	1600	1400	1200	1800	1600	1400	1200	1800	1600	1400	1200
kW	209	195	136	90	299	217	151	100	328	239	166	110
g/kW-hr	208	204	199	191	204	200	202	184	202	198	205	185
l/hr	66.9	47.7	32.1	20.4	72.8	52.0	36.5	21.9	79.4	56.3	41.0	24.4
bhp	360	262	183	120	400	291	203	134	440	320	223	147
lb/hp-hr	.344	.337	.325	.315	.336	.330	.334	.303	.334	.326	.339	.305
gal/hr	17.7	12.6	8.5	5.4	19.2	13.7	9.7	5.8	21	14.9	10.8	6.4

Rating	Heavy Duty 480 bhp*				Medium Duty 525 bhp*			
rpm	1800	1600	1400	1200	2100	1980	1500	1300
kW	358	260	182	120	392	299	158	107
g/kW-hr	200	197	200	192	211	204	210	212
l/hr	85.6	61.3	43.5	27.5	99.2	73.1	39.7	27.4
bhp	480	349	244	161	525	401	212	144
lb/hp-hr	.330	.325	.330	.317	.349	.337	.347	.350
gal/hr	22.6	16.2	11.5	7.3	26.2	19.3	10.5	7.2

\*Ratings are kW emissions compliant.

Above data represents performance along a 3.0 fixed pitch propeller curve. Fuel consumption has a tolerance of +5% and is based on fuel of 35" API gravity at 16 °C (60 °F) having an LHV of 42,790 kJ/kg (15,390 BTU/lb) when used at 29 °C (85 °F) and weighing 838.9 g/liter (7.001 lb/US gal). Observed horsepower is certified within ± 3 % of rated horsepower. Cummins has always been a pioneer in product improvement. Thus specifications may change without notice. Consult your local Cummins professional for further information.

#### Rating Definitions

Ratings are based on ISO 8665 conditions of 100kPa (29.512 in Hg) and 25°C (77°F) and 30% relative humidity. Propeller shaft power represents the net power available after typical gear losses and is 97% of rated power. Power rated in accordance with IMCI procedures.

#### Continuous

Intended for continuous use in applications requiring uninterrupted service at full power. This rating is an ISO 3046 standard power rating.

#### Heavy Duty

Intended for continuous use in variable load applications where full power is limited to eight hours out of every ten hours of operation. Also, reduced power operations must be at or below 200 rpm of the maximum rated rpm. This rating is an ISO 3046 fuel stop power rating and is for applications that operate less than 5,000 hours per year.

#### Medium Continuous Duty

Intended for continuous use in variable load applications where full power is limited to six hours out of every twelve hours of operation. Also, reduced power operations must be at or below 200 rpm of the maximum rated rpm. This rating is an ISO 3046 fuel stop power rating and is for applications that operate less than 3,000 hours per year.

#### Intermittent Duty

Intended for intermittent use in variable load applications where full power is limited to two hours out of every eight hours of operation. Also, reduced power operations must be at or below 200 rpm of the maximum rated rpm. This rating is an ISO 3046 fuel stop power rating and is intended for applications that operate less than 1,500 hours per year.



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