

3406C

MARINE PROPULSION ENGINE

405 mhp (400 bhp) 298 kW
370 mhp (365 bhp) 272 kW



Image shown may not reflect actual engine

SPECIFICATIONS

I-6, 4-Stroke-Cycle-Diesel

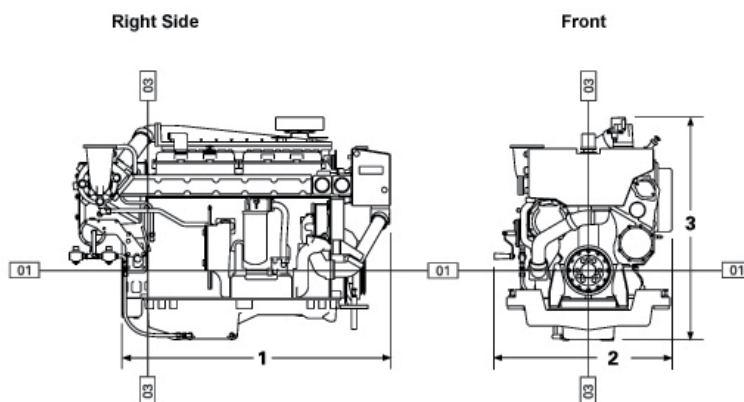
- Non-Emissions Compliant
- 14.6 L displacement
- 1800 rpm rated engine speed
- 137.2 mm (5.4 in) bore x 165.1 mm (6.5 in) stroke
- Turbocharged and aftercooled aspiration
- Mechanically governed
- Keel cooled
- Refill capacity
 - Cooling system: 94.5 L (25.0 gal)
 - Lube oil system: 34.0 L (9.0 gal)
- SAE No. 1 flywheel and flywheel housing, 113 flywheel teeth
- Counterclockwise rotation from flywheel end
- 250-hour oil change interval
- Caterpillar Diesel Engine Oil 10W30 or 15W40



STANDARD ENGINE EQUIPMENT

- Light duty panel type air cleaner
- Jacket water aftercooler
- Gear-driven centrifugal jacket water
- Watercooled exhaust manifold and turbocharger
- Mechanical fuel injection system
- Fuel ratio control
- Fuel priming and transfer pump
- Standard oil pan
- Oil filter, dipstick, and oil filler (RH service only)
- Crankcase breather
- Transmission oil cooler
- Instrument panel
- Front support

DIMENSIONS



ENGINE DIMENSIONS & WEIGHT

(1) Length	1454.2 mm	57.3 in
(2) Width	913.5 mm	36.0 in
(3) Height	1278.5 mm	50.3 in
Weight, Net Dry (approx)	1325 kg	2921 lb

Note: Do not use these dimensions for installation design. See general dimension drawings for detail: 453-3593 for keel cooled and 453-3594 for heat exchanger cooled.

MARINE ENGINE PERFORMANCE

Max Power
400 bhp – B Rating (DM6097-00)

rpm	bhp	g/hr	bkW	g/bkW-hr
1800	400	19.5	298	208.0
1600	363	17.9	271	210.4
1400	316	15.8	236	213.1
1200	256	13.1	191	217.2
1000	191	10.3	142	229.5

Prop Demand
400 bhp – B Rating (DM6097-00)

rpm	bhp	g/hr	bkW	g/bkW-hr
1800	400	19.5	298	208.0
1600	281	14.1	209	213.6
1400	188	9.7	140	219.8
1200	118	6.3	88	225.8
1000	69	3.9	51	240.3

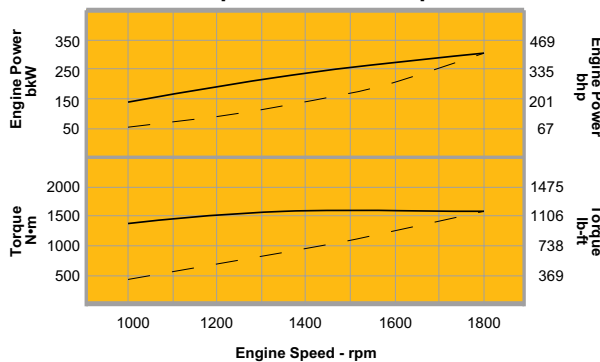
Max Power
365 bhp – A Rating (DM6096-00)

rpm	bhp	g/hr	bkW	g/bkW-hr
1800	365	17.8	272	208.0
1600	335	16.6	250	211.1
1400	298	15.0	222	213.7
1200	254	12.9	189	217.2
1000	196	10.6	146	229.9

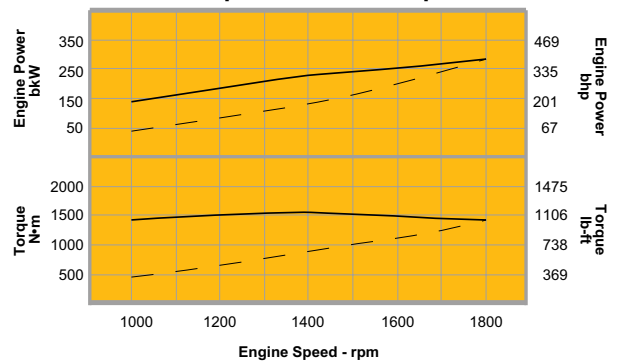
Prop Demand
365 bhp – A Rating (DM6096-00)

rpm	bhp	g/hr	bkW	g/bkW-hr
1800	365	17.8	272	208.0
1600	256	12.9	191	215.1
1400	172	8.9	128	221.5
1200	108	5.8	81	228.2
1000	62	3.6	47	244.2

400 bhp (298 bkW) @ 1800 rpm



365 bhp (272 bkW) @ 1800 rpm



Maximum Power ——— Prop Demand - - - - -

RATING DEFINITIONS AND CONDITIONS

A Rating (Unrestricted Continuous)

Typical applications: For vessels operating at rated load and rated speed up to 100% of the time without interruption or load cycling (80% to 100% load factor). Typical applications could include but are not limited to vessels such as freighters, tugboats, bottom trawlers, or deep river tugboats. Typical operation ranges from 5000 to 8000 hours per year.

B Rating (Heavy Duty)

Typical applications: For vessels operating at rated load and rated speed up to 80% of the time with some load cycling (40% to 80% load factor). Typical applications could include but are not limited to vessels such as mid-water trawlers, purse seiner, crew and supply boats, ferries, or towboats. Typical operation ranges from 1000 to 3000 hours per year.

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