

3126

MARINE PROPULSION ENGINE

355 mhp (350 bhp) 261 kW
426 mhp (420 bhp) 313 kW

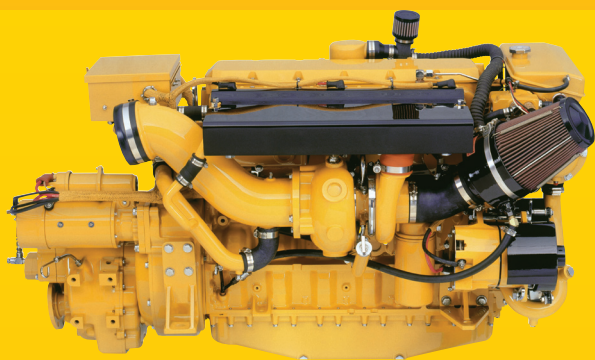


Image shown
may not reflect
actual engine

SPECIFICATIONS

I-6, 4-Stroke-Cycle-Diesel

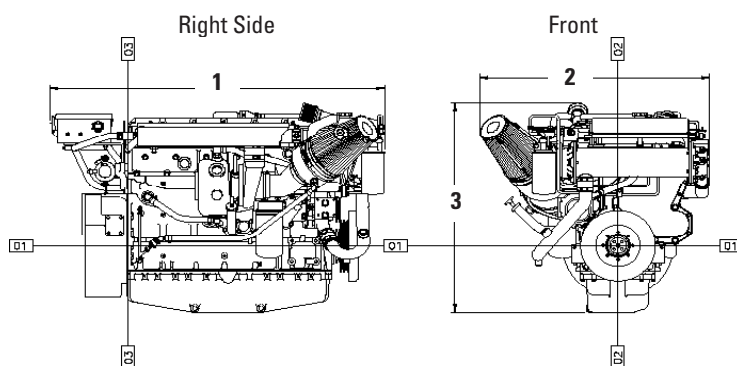
- IMO I emissions levels (2000-2010)
- 7.2 L (442 in³) displacement
- 2800 rpm
- 110 mm (4.33 in) bore x 127 mm (5.0 in) stroke
- Turbocharged-aftercooled aspiration
- Mechanically governed
- Heat exchanger
- Refill capacity
 - Cooling system: 28 L (7.4 gal)
 - Lube oil system: 25 L (6.6 gal)
- 250-hour oil change interval
- Counterclockwise rotation
- SAE No. 3 flywheel housing with SAE No. 3 flywheel (126 teeth)



STANDARD ENGINE EQUIPMENT

- Air cleaner with fumes disposal (closed system)
- Sea water aftercooler
- Gear-driven auxiliary sea water pump
- Watercooled manifold and turbocharger
- Belt-driven centrifugal jacket water pump
- 12V air inlet heater
- Fuel transfer pump
- Fuel filter
- Oil filler
- Oil pan drain
- Oil filter
- Oil level gauge
- Crankcase breather
- Vibration damper and guard
- Gear-driven oil pump
- Heat exchanger and expansion tank

DIMENSIONS & WEIGHT



ENGINE DIMENSIONS & WEIGHT

(1) Length to Flywheel Housing	1183.9 mm	46.7 in
(2) Width	937 mm	36.9 in
(3) Height	905.6 mm	35.7 in
Weight, Net Dry (approx)	722 kg	1592 lb

Note: Do not use these dimensions for installation design. Refer to general dimension drawing 121-9630.

3126

Remanufactured

MARINE PROPULSION ENGINE



MARINE ENGINE PERFORMANCE

Max Power
350 bhp - E Rating (DM4952)

rpm	bhp	gph	bKw	g/bKw-hr
2800	350	17.9	261.0	218.4
2600	350	17.6	261.0	214.5
2400	349	17.2	260.0	210.0
2200	337	16.3	251.0	205.5
2000	321	15.4	239.0	203.9
1800	300	14.5	224.0	205.9
1600	274	14.0	204.0	217.3
1400	211	12.5	157.0	253.4
1200	148	10.0	110.0	290.4
1120	122	8.3	91.0	288.7

Prop Demand
350 bhp - E Rating (DM4952)

rpm	bhp	gph	bKw	g/bKw-hr
2800	350	18.0	261.0	218.4
2600	280	14.0	209.0	212.1
2400	220	10.8	164.4	209.1
2200	170	8.4	126.6	209.1
2000	128	6.3	95.1	211.3
1800	93	4.7	69.3	216.7
1600	65	3.5	48.7	246.0
1400	44	2.5	32.6	264.0
1200	27	1.7	20.5	264.7
1120	22	1.4	16.7	272.4

Max Power
420 bhp - E Rating (DM4954)

rpm	bhp	gph	bKw	g/bKw-hr
2800	420	22.8	313.0	231.6
2600	420	22.0	313.0	223.1
2400	408	20.8	304.0	217.4
2200	390	19.7	291.0	215.3
1800	331	18.0	247.0	231.9
1600	286	17.2	213.0	256.0
1400	201	13.7	150.0	290.6
1200	141	11.0	105.0	333.8

Prop Demand
420 bhp - E Rating (DM4954)

rpm	bhp	gph	bKw	g/bKw-hr
2800	420	22.9	313.2	231.7
2600	336	17.3	250.8	219.6
2400	264	13.3	197.2	214.2
2200	204	10.1	151.9	212.3
2000	153	7.8	114.1	215.9
1800	112	6.2	83.2	237.8
1600	78	5.9	58.4	321.5
1400	53	6.2	39.2	499.5
1200	33	6.0	24.7	776.2

RATING DEFINITIONS AND CONDITIONS

E Rating (High Performance)

Typical applications: For vessels operating at rated load and rated speed up to 8% of the time, up to 30% load factor. Typical applications could include but are not limited to planning hull vessels such as pleasure craft, harbor patrol, harbor master, and some fishing pilot boats.

CAT, CATERPILLAR, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.