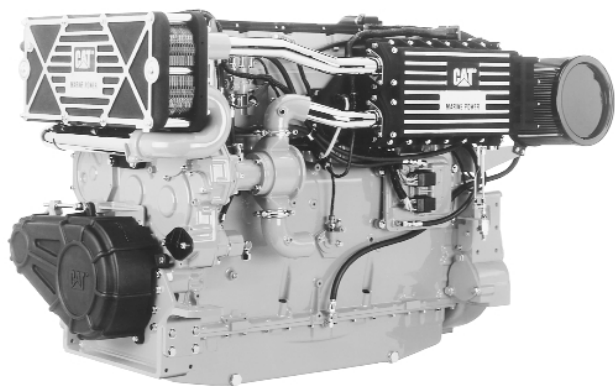




Marine Propulsion 3406E Engine

354 kW (475 bhp) 482 mhp @ 1800 rpm



Shown with Accessory Equipment

STANDARD EQUIPMENT

Air Inlet System

Corrosion resistant sea water aftercooler, light-duty air cleaner, open system; jacket water cooled turbocharger

Cooling System

Self-priming sea water pump with rubber impeller, gear driven jacket water pump, titanium plate heat exchanger with expansion tank and coolant recovery system (heat exchanger engines only), thermostat and housing

Exhaust System

Watercooled manifold and turbocharger; round flanged outlet, 152 mm (6 in.)

Flywheel and Flywheel Housing

SAE No. 1 (113 teeth)

Fuel System

Fuel priming pump; fuel transfer pump; fuel filter — RH service on port, LH service on starboard; flexible fuel lines

Instruments

24-volt instrument panel with start/stop switch, emergency stop button, maintenance light, diagnostic light, warning light, 15 amp and 3 amp breakers, starter motor magnetic switch; electric service meter

Lube System

Crankcase breather; engine oil cooler; oil level gauge and oil filter — RH service on port, LH service on starboard; deep oil pan; gear driven oil pump

Mounting System

Adjustable front support

General

Vibration damper and guard, Caterpillar yellow paint, lifting eyes

SPECIFICATIONS

I-6, 4-Stroke-Cycle-Diesel

Emissions	IMO compliant
Displacement	14.6 L (893 cu. in.)
Bore	137.2 mm (5.4 in.)
Stroke	165.1 mm (6.5 in.)
Aspiration	Turbocharged-Aftercooled
Governor	Electronic
Engine Weight, Net Dry (approx)	
Heat Exchanger Cooled	1586 kg (3497 lb)
Keel Cooled	1509 kg (3326 lb)
Capacity for Liquids	
Cooling System	43.7 L (11.4 U.S. gal)
Lube Oil System (refill)	68.1 L (17.7 U.S. gal)
Oil Change Interval	500 hr
Caterpillar DEO 10W30 or 15W40	
Rotation (from flywheel end)	Counterclockwise

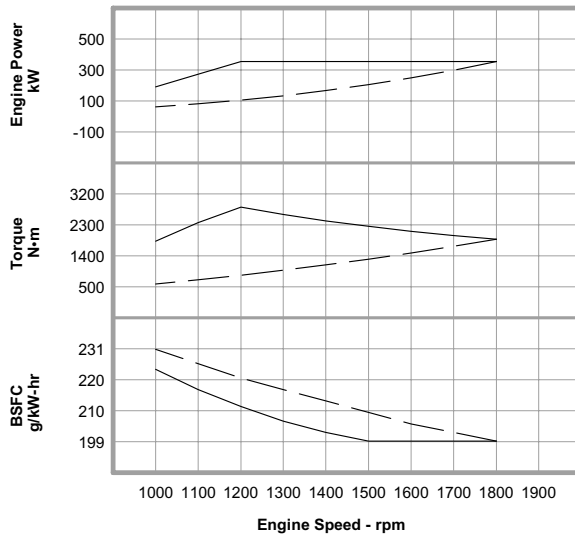
ACCESSORY EQUIPMENT

- Aftercooler Condensate Drain
- Air Starting Motor
- 12V 51 Amp, 12V 105 Amp Alternator
- Cruise Kits
- 12V/24V DC Converter
- Digital Tachometer
- Double Wall Fuel Lines and Drain
- Dress-Up Kit
- Duplex Fuel Filters
- Electric Starting Motor
- Engine Monitoring System
- Engine-to-Engine Wiring Harness
- Engine Vision Display System
- Exhaust Elbow, Dry or Watercooled
- Exhaust Pipe, Flange, Flexible Fittings
- Front Enclosed Clutch
- Front Stub Shaft
- Fuel Cooler
- GPS Interface Module
- Heavy-Duty Front Support
- Hydraulic Pump Drive
- 12V Instrument Panel
- Jacket Water Heater
- Marine Power Display
- OEM Wiring Harness
- Primary Fuel Filter/Water Separator
- Pulley and Damper
- Regular-Duty Panel Air Cleaner
- Spare Parts Kit
- Throttle Position Sensor
- Transmission Oil Cooler
- Vibration Isolation Mounting

PERFORMANCE CURVES

B Rating — DM6118-00

IMO Compliant

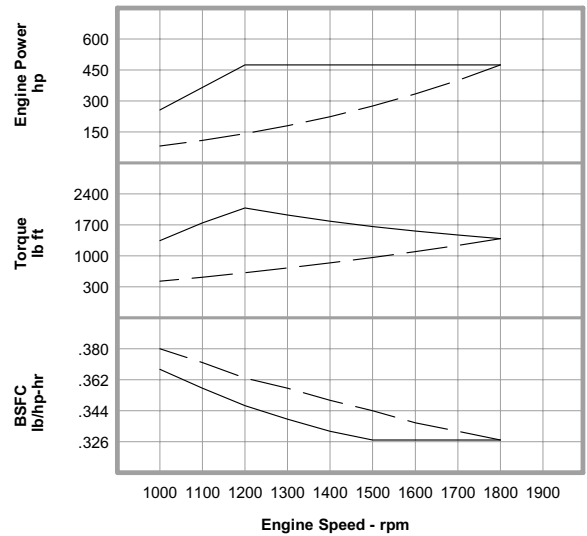


Metric **Maximum Power** ——— **354 kW**
Prop Demand - - - - -

Performance Data

	Engine Speed rpm	Engine Power kW	Engine Torque N·m	BSFC g/kW-hr	Fuel Rate L/hr
Maximum Power Data	1800	354	1878	199.0	84.1
	1700	354	1989	199.0	83.8
	1600	354	2113	199.0	83.8
	1500	354	2254	199.0	84.1
	1400	354	2415	202.0	85.3
	1300	354	2600	206.0	87.0
	1200	354	2817	211.0	88.8
	1100	272	2363	217.0	70.2
1000	191	1820	224.0	50.9	
Prop Demand Data	1800	354	1878	199.0	84.1
	1700	298	1675	202.0	71.7
	1600	249	1484	205.0	60.7
	1500	205	1304	209.0	51.0
	1400	167	1136	213.0	42.2
	1300	133	980	217.0	34.5
	1200	105	835	221.0	27.7
	1100	81	701	226.0	21.7
1000	61	580	231.0	16.7	

Cubic prop demand curve with 3.0 exponent for displacement hulls only.



English **Maximum Power** ——— **475 hp**
Prop Demand - - - - -

Performance Data

	Engine Speed rpm	Engine Power hp	Engine Torque lb ft	BSFC lb/hp-hr	Fuel Rate gph
Maximum Power Data	1800	475	1385	.327	22.2
	1700	475	1467	.327	22.1
	1600	475	1558	.327	22.1
	1500	475	1662	.327	22.2
	1400	475	1781	.332	22.5
	1300	475	1918	.339	23.0
	1200	475	2078	.347	23.5
	1100	365	1743	.357	18.5
1000	256	1342	.368	13.4	
Prop Demand Data	1800	475	1385	.327	22.2
	1700	400	1235	.332	18.9
	1600	333	1094	.337	16.0
	1500	275	962	.344	13.5
	1400	223	838	.350	11.1
	1300	179	723	.357	9.1
	1200	141	616	.363	7.3
	1100	108	517	.372	5.7
1000	81	428	.380	4.4	

Power produced at the flywheel will be within standard tolerances up to 50°C (122°F) combustion air temperature measured at the air cleaner inlet, and fuel temperature up to 52°C (125°F) measured at the fuel filter base. Power rated in accordance with NMMA procedure as crankshaft power. Reduce crankshaft power by 3% for propeller shaft power.

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers' engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar's control.

TMI Reference No.: DM6118-00 (6-19-01)

Materials and specifications are subject to change without notice.

The International System of Units (SI) is used in this publication.

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