

C32 ACERT®

MARINE PROPULSION ENGINE

1925 mhp

(1900 bhp)

1417 bkW

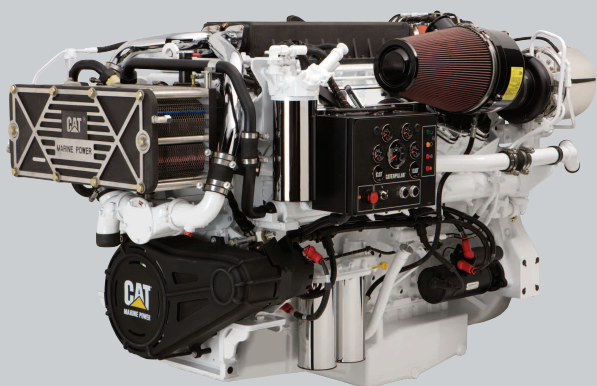


Image shown may not
reflect actual engine

CATERPILLAR®

STANDARD ENGINE EQUIPMENT

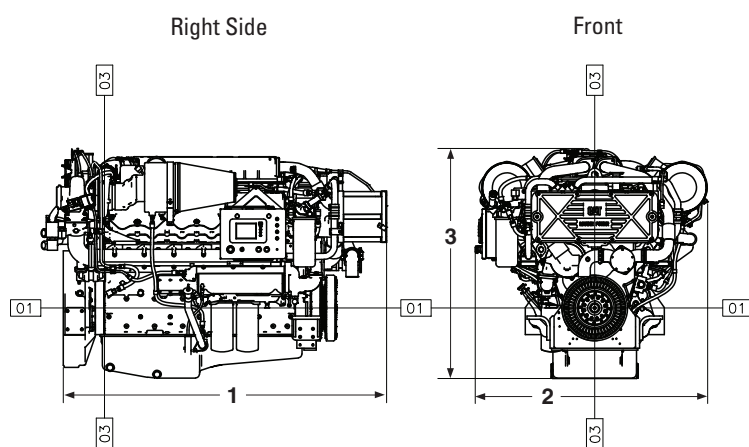
- Corrosion resistant sea water separate circuit aftercooler
- MEUI fuel system
- Adjustable front support
- Titanium plate heat exchanger with expansion tank
- Watercooled exhaust manifold and turbocharger
- Electronic governor
- A4 Electronic Control Unit
- Crankcase breather
- Oil filter, dipstick, and oil filler (RH or LH service)
- Shallow sump oil pan
- Gear driven centrifugal jacket water pump and seawater pump
- Fuel priming and transfer pump
- Air cleaner/fumes disposal system

SPECIFICATIONS

V-12, 4-Stroke-Cycle-Diesel

- EPA Tier 2 Recreational/IMO compliant
- 32.16 liter displacement
- 2300 rpm rated engine speed
- 145 mm (5.71 in) bore x 162 mm (6.38 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger cooled
- Refill capacity
 - Cooling system: 79 L (20.9 gal)
 - Lube oil system: 85.2 L (22.5 gal)
- 24V electronic protection system
- SAE No. 0 flywheel and flywheel housing
- 136 flywheel teeth
- Counterclockwise rotation from flywheel end
- 250-hour oil change interval
- Caterpillar Diesel Engine Oil 10W30 or 15W40

DIMENSIONS



ENGINE DIMENSIONS & WEIGHT

(1) Length to Flywheel Housing	2008.0 mm	79.05 in.
(2) Width	1443.5 mm (RH) 1495.2 mm (LH)	56.83 in. 58.87 in.
(3) Height	1429.7 mm	56.29 in.
Weight, Net Dry (approx)	3152 kg	6,949 lb

Note: Do not use these dimensions for installation design. See general dimension drawings for detail (Drawing #335-8003 – RH, #335-8004 – LH). For complete information, please refer to the Marine Spec Sheet LEHM8960.

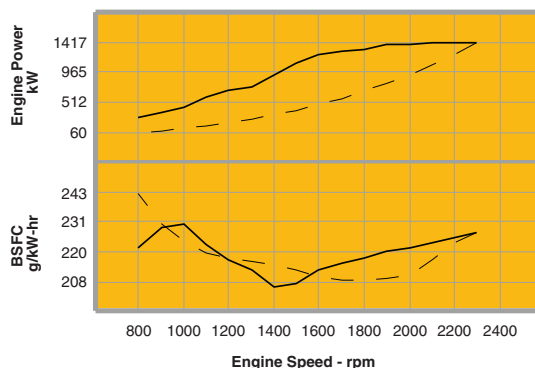
MARINE ENGINE PERFORMANCE

C32 DITA ACERT

1417 bkW (1900 bhp) @ 2300 rpm

E Rating (High Performance) — DM8520-00

EPA T2R/EU Stage IIIA



Metric

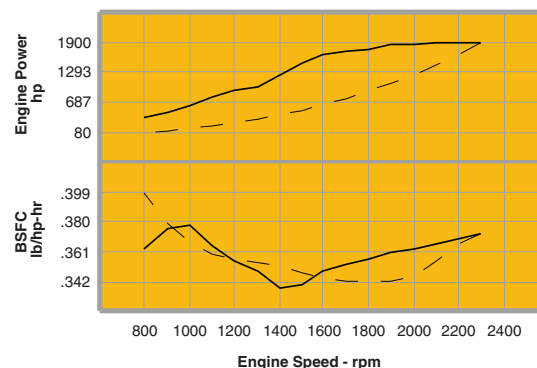
Maximum Power
Prop Demand

1417 kW

Performance Data

	Engine Speed rpm	Engine Power kW	BSFC g/kW-hr	Fuel Rate L/hr
Maximum Power Data	2300	1417.0	227.3	383.9
	2200	1409.0	225.4	378.5
	2100	1410.0	223.3	375.3
	1900	1377.0	220.3	361.6
	1800	1320.0	217.4	342.0
	1600	1221.0	212.3	308.9
	1500	1098.0	206.9	270.8
	1300	746.0	212.5	188.9
	1100	578.0	222.6	153.3
	900	360.0	229.3	98.4
	800	287.0	221.6	75.8
Prop Demand Data	2300	1417.0	227.3	383.9
	2200	1240.1	223.6	330.5
	2100	1078.6	217.0	278.9
	1900	798.8	208.7	198.8
	1800	679.2	208.2	168.5
	1600	477.0	209.8	119.3
	1500	393.1	212.0	99.4
	1300	255.9	215.7	65.8
	1100	155.0	219.6	40.6
	900	84.9	231.3	23.4
	800	59.6	243.0	17.3

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



English

Maximum Power
Prop Demand

1900 hp

Performance Data

	Engine Speed rpm	Engine Power hp	BSFC lb/hp-hr	Fuel Rate gph
Maximum Power Data	2300	1900.2	.374	101.4
	2200	1889.5	.371	100.0
	2100	1890.8	.367	99.1
	1900	1846.6	.362	95.5
	1800	1770.1	.357	90.3
	1600	1637.4	.349	81.6
	1500	1472.4	.340	71.5
	1300	1000.4	.349	49.9
	1100	775.1	.366	40.5
	900	482.8	.377	26.0
	800	384.9	.364	20.0
Prop Demand Data	2300	1900.2	.374	101.4
	2200	1663.0	.368	87.3
	2100	1446.4	.357	73.7
	1900	1071.2	.343	52.5
	1800	910.8	.342	44.5
	1600	639.7	.345	31.5
	1500	527.2	.349	26.3
	1300	343.2	.355	17.4
	1100	207.9	.361	10.7
	900	113.9	.380	6.2
	800	79.9	.399	4.6

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.