

C18 ACERT™

MARINE PROPULSION ENGINE

930 mhp

(918 bhp)

685 kW



Image shown may not reflect actual engine



STANDARD ENGINE EQUIPMENT

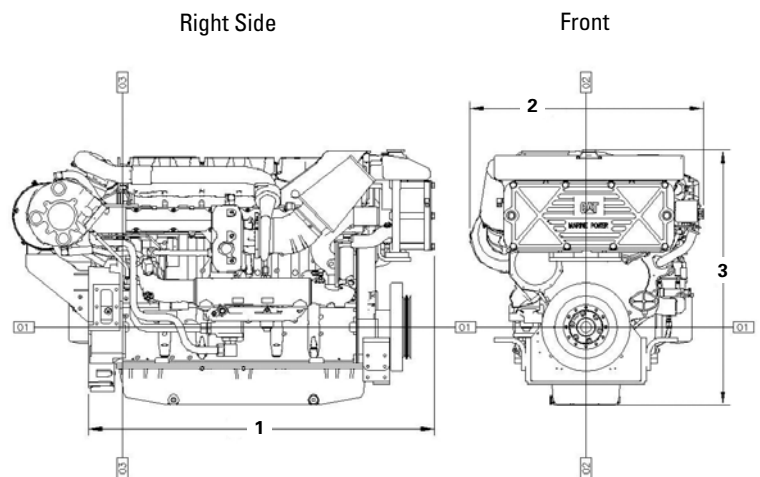
- MEUI fuel system
- Corrosion resistant aftercooler core
- Air cleaner/fumes disposal (closed system)
- Titanium plate heat exchanger with expansion tank
- Coolant recovery system
- Thermostat and housing
- Watercooled exhaust manifold and turbocharger
- Round-flanged outlet
- 24V instrument panel
- Crankcase breather
- Engine oil cooler and oil filler
- Shallow oil pan
- Front support adjustable mounting system
- SAE A hydraulic pump drive
- Two-groove crankshaft pulley
- Vibration damper and guard
- Customer wiring and service tool connector
- Flexible fuel lines

SPECIFICATIONS

I-6, 4-Stroke-Cycle-Diesel

- EPA Tier 2 Recreational
- 18.1 L (1106 cu in) displacement
- 2100 rpm rated engine speed
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger cooled
- Refill capacity
 - Cooling system: 45 L (12 gal)
 - Lube oil system: 49 L (13 gal)
- SAE No. 1 flywheel and flywheel housing
- 113 flywheel teeth
- Counterclockwise rotation from flywheel end
- 250-hour oil change interval
- Cat Diesel Engine Oil 10W30 or 15W40
- IMO Tier II compliant

DIMENSIONS



ENGINE DIMENSIONS & WEIGHT

(1) Length to Flywheel Housing	1590.4 mm	62.61 in.
(2) Width	1075.1 mm	42.32 in.
(3) Height	1177.1 mm	46.34 in.
Weight, Net Dry (approx)	1810 kg	3,990.36 lb

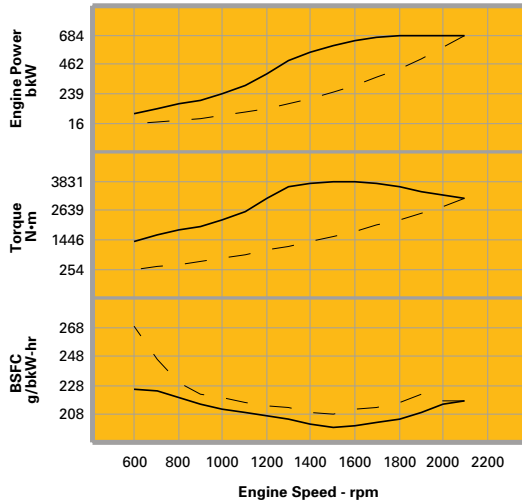
Note: Do not use these dimensions for installation design. See general dimension drawings for detail (Drawings #352-4183 — starboard, 352-4182 — port). For complete information, please refer to Spec Sheet Wizard.

MARINE ENGINE PERFORMANCE

C18 DITA

685 bkW (918 bhp) @ 2100 rpm
E Rating (High Performance) — EM0230-00

EPA T2R/IMO Tier II Compliant

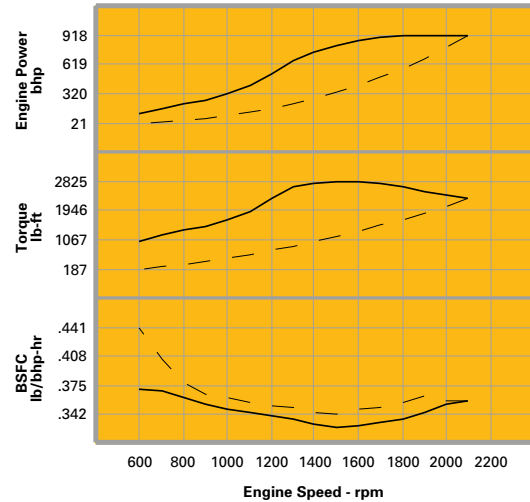


Metric **Maximum Power** **Prop Demand** **685 bkW**

Performance Data

	Engine Speed rpm	Engine Power bkW	Engine Torque N-m	BSFC g/bkW-hr	Fuel Rate L/hr
Maximum Power Data	2100	684.5	3113	217.0	177.0
	2000	684.5	3268	213.9	174.6
	1900	684.5	3440	208.8	170.4
	1700	667.8	3751	201.6	160.5
	1600	640.9	3825	199.4	152.3
	1400	551.7	3763	201.0	132.2
	1300	490.9	3606	203.6	119.2
	1100	300.7	2610	208.8	74.8
	900	188.4	1999	214.0	48.1
	700	122.4	1670	224.2	32.7
600	88.1	1402	226.2	23.7	
Prop Demand Data	2100	684.5	3113	217.0	177.0
	2000	591.3	2823	216.6	152.6
	1900	507.0	2548	220.6	133.3
	1700	363.1	2040	212.1	91.8
	1600	302.7	1807	210.7	76.0
	1400	202.8	1383	209.1	50.6
	1300	162.4	1193	211.8	41.0
	1100	98.4	854	215.0	25.2
	900	53.9	572	221.0	14.2
	700	25.4	346	246.2	7.4
600	16.0	254	268.5	5.1	

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



English **Maximum Power** **Prop Demand** **918 bhp**

Performance Data

	Engine Speed rpm	Engine Power bhp	Engine Torque lb-ft	BSFC lb/bhp-hr	Fuel Rate gph
Maximum Power Data	2100	917.9	2296	.357	46.8
	2000	917.9	2410	.352	46.1
	1900	917.9	2537	.343	45.0
	1700	895.5	2766	.331	42.4
	1600	859.5	2821	.328	40.2
	1400	739.8	2775	.330	34.9
	1300	658.3	2659	.335	31.5
	1100	403.2	1925	.343	19.8
	900	252.6	1474	.352	12.7
	700	164.1	1232	.369	8.6
600	118.1	1034	.372	6.3	
Prop Demand Data	2100	917.9	2296	.357	46.8
	2000	792.9	2082	.356	40.3
	1900	679.9	1879	.363	35.2
	1700	486.9	1505	.349	24.3
	1600	405.9	1333	.346	20.1
	1400	272.0	1020	.344	13.4
	1300	217.8	880	.348	10.8
	1100	132.0	630	.353	6.7
	900	72.3	422	.363	3.8
	700	34.1	255	.405	2.0
600	21.5	187	.441	1.3	

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.