C18 ACERT™

MARINE PROPULSION ENGINE

469 bhp	**350 bkW**	**1800 rpm**
599 bhp	**447 bkW**	**1800 rpm**



Image shown may not reflect actual engine

SPECIFICATIONS

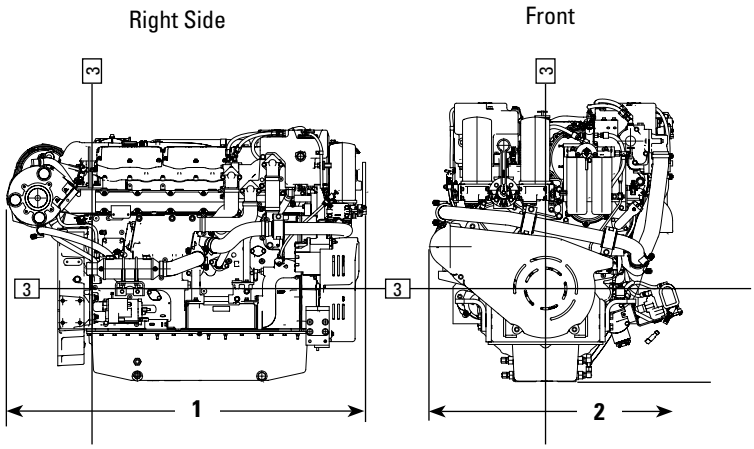
I-6, 4-Stroke-Cycle-Diesel

- EPA Tier 3/IMO II compliant
- 18.0 L (1098 cu in) displacement
- 1800 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 or keel cooled
- Refill capacity
  - Cooling system: 45 L (12 gal)
  - Lube oil system: 49 L (13 gal) shallow pan
  - Lube oil system: 68 L (18 gal) deep pan
- 250-hour oil change interval shallow pan
- 500-hour oil change interval deep pan
- Caterpillar Diesel Engine Oil 10W30 or 15W40
- SAE No. 0 flywheel and flywheel housing, 136 flywheel teeth; SAE No. 1 flywheel and housing, 113 teeth
- Counterclockwise rotation from flywheel end

STANDARD ENGINE EQUIPMENT

- Separate circuit aftercooler (SCAC)
- Heavy-duty inlet air filter
- Heat exchanger or keel cooling
- SCAC and JW shunt tanks with sight glass
- Watercooled exhaust manifold and turbocharger
- Center sump oil pan, deep or shallow
- Oil filler, filter, and dipstick, front service
- MEUI fuel system
- Fuel filter, front service
- Fuel transfer and priming pumps
- Hybrid fuel lines
- Electronic fuel/air ratio control
- Electronic diagnostics and fault logging
- Front support adjustable mounting system
- Front damper guard
- Customer wiring and service tool connector

DIMENSIONS



ENGINE DIMENSIONS & WEIGHT		
(1) Length	1854 mm	73.0 in
(2) Width	1134 mm	44.6 in
(3) Height	1300 mm	51.2 in
Weight, Net Dry (approx)	*1950 kg	*4,299 lb

Note: Do not use these dimensions for installation design. See general dimension drawings for detail.

*Weight includes electric starting motor and charging alternator.

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MARINE PROPULSION ENGINE

MARINE ENGINE PERFORMANCE

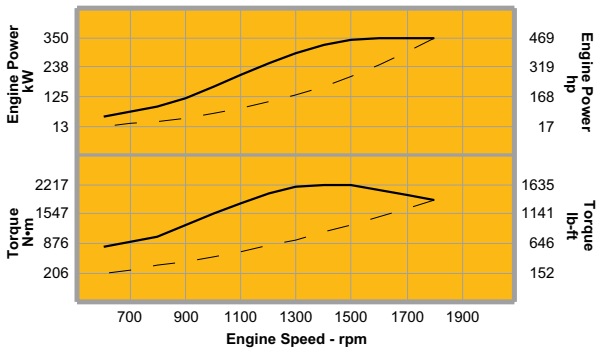
Max Power

	A Rating – EM0269-00				A Rating – EM0268-00			
rpm	bhp	g/hr	bkW	g/bkW-hr	bhp	g/hr	bkW	g/bkW-hr
1800	469	24.5	350	222.0	599	30.7	447	218.4
1500	461	21.8	344	201.7	590	28.4	440	205.1
1200	338	16.3	252	204.9	432	20.9	322	206.3
900	164	7.7	122	201.1	209	10.4	156	211.8
600	66	3.7	49	240.0	85	4.3	63	215.8

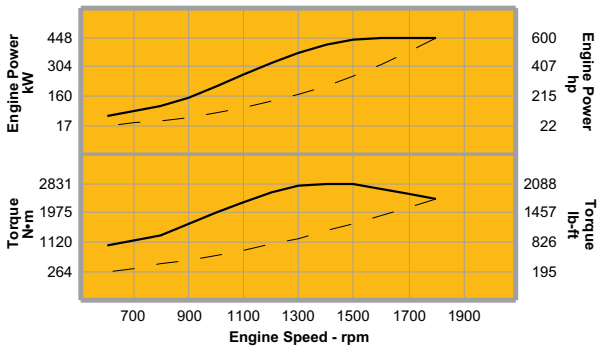
Prop Demand

	A Rating – EM0269-00				A Rating – EM0268-00			
rpm	bhp	g/hr	bkW	g/bkW-hr	bhp	g/hr	bkW	g/bkW-hr
1800	469	24.5	350	222.0	599	30.8	447	218.4
1500	272	14.3	203	223.5	347	18.1	259	222.0
1200	139	7.4	104	227.0	178	9.5	133	226.3
900	59	3.3	44	241.9	75	4.1	56	233.6
600	17	1.4	13	336.2	22	1.6	17	297.6

476 mhp (350 bkW) @ 1800 rpm



608 mhp (447 bkW) @ 1800 rpm



Maximum Power ——— Prop Demand — — —

OPTIONAL EQUIPMENT

- Air inlet adapter
- Auxiliary expansion tank flange kit
- Battery charger 10 amp
- Charging alternator 24V 105 amp
- Exhaust elbows, dry or watercooled
- Exhaust flange, flexible fitting, muffler
- Duplex fuel filter – front service
- Fuel cooler, flexible fuel lines
- Primary fuel/water separator
- Duplex oil filter – front service
- Transmission oil cooler
- Manual sump pump
- Vibration isolators
- Starting motors – electric or air
- Jacket water heaters
- Battery sets – 24V 950-1300 CCA
- MECP I control panel
- MECP III control panel with Cat® alarm and protection system
- OEM wiring harness – 30, 50, 80 foot lengths
- Engine-to-engine wiring harness – 15, 30 foot lengths
- Front supports and rear supports
- Power take-offs
- Fumes disposal (closed system)

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U.S. Sourced
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