

C18 ACERT™

MARINE AUXILIARY ENGINE

624 bhp
803 bhp

465 bkW
599 bkW

1800 rpm
1800 rpm



Image shown
may not reflect
actual engine

SPECIFICATIONS

I-6, 4-Stroke-Cycle-Diesel

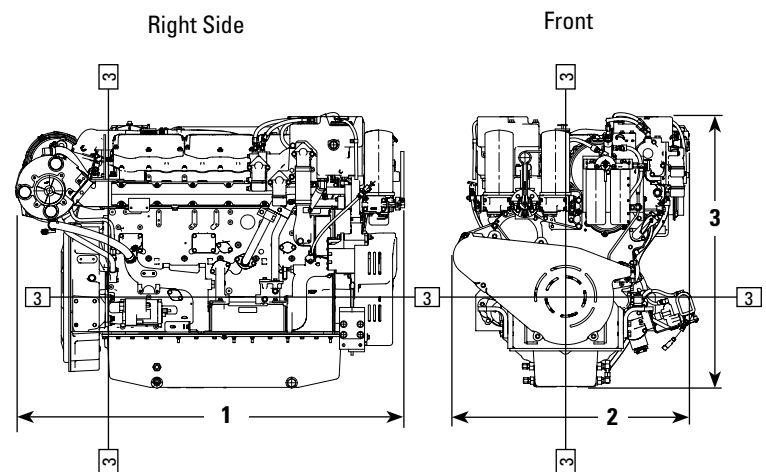
- EPA Tier 3/IMO II compliant
- 18.0 L (1098 cu in) displacement
- 1800 rpm rated engine speed
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Refill capacity
 - Cooling system: 45 L (12 gal)
 - Lube 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 (18 inch)
- 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

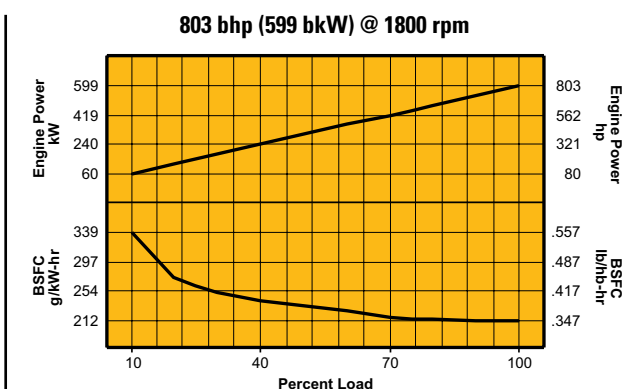
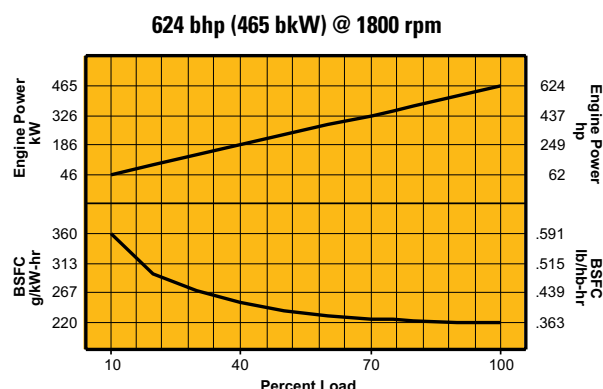
(1) Length	1854 mm	73.0 in
(2) Width	1134 mm	44.6 in
(3) Height	1300 mm	51.2 in
Weight, Net Dry (approx)	*1950 kg	*4,299 lb

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

*Weight includes electric starting motor and charging alternator.

MARINE ENGINE PERFORMANCE

MA Rating – EM0267-00					MA Rating – EM0271-00			
% Load	bhp	g/hr	bkW	g/bkW-hr	bhp	g/hr	bkW	g/bkW-hr
100	624	32.2	465	220	803	40.2	599	212
75	468	24.5	349	223	603	30.3	449	214
50	312	17.5	233	239	402	22.0	300	234
25	156	10.3	116	282	201	12.3	150	261



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
- Manual sump pump
- 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
- Front supports and rear supports
- Power take-offs
- Fumes disposal (closed system)

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