

# C32 ACERT™

## MARINE AUXILIARY ENGINE



916 bhp	683 bkW	1800 rpm
1047 bhp	781 bkW	1800 rpm
1333 bhp	994 bkW	1800 rpm



Image shown may not reflect actual engine

## SPECIFICATIONS

### Vee-12, 4-Stroke-Cycle-Diesel

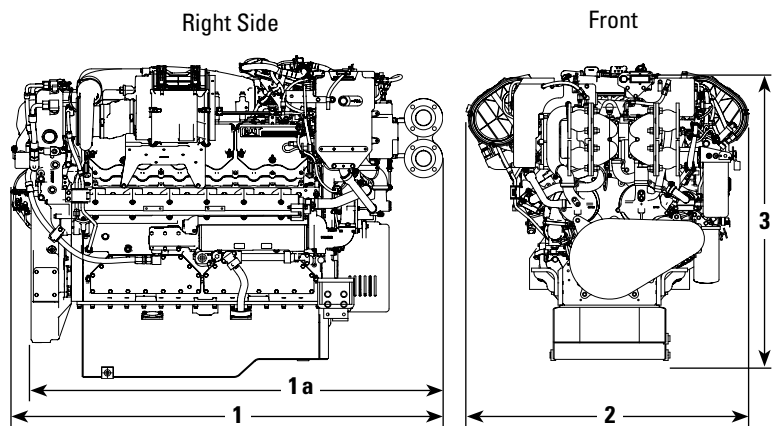
- IMO II or EPA Tier 3/IMO II compliant
- 32.1 L (1959 cu in) displacement
- 1800 rpm rated engine speed
- 145 mm (5.7 in) bore x 162 mm (6.38 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Refill capacity\*
  - Cooling system:
    - Jacket Water 128 L (33.75 gal)
    - SCAC 26.5 L (7 gal)
  - Lube oil system: 138 L (36.5 gal)
- 750-hour oil change interval\*
- Caterpillar Diesel Engine Oil 10W30 or 15W40
- SAE No. 0 flywheel and flywheel housing, 136 flywheel teeth
- Counterclockwise rotation from flywheel end

\*Engine Operation & Maintenance Manual is the safe source for this information.

## STANDARD ENGINE EQUIPMENT

- Separate circuit aftercooler (SCAC)
- Air cleaner
- Heat exchanger or keel cooling
- Sea water pump (heat exchanger only)
- Jacket water and SCAC pumps
- Watercooled exhaust manifold and turbocharger
- Round flanged exhaust outlet
- Deep sump oil pan
- Oil filler, filter, and dipstick, RH or LH service
- MEUI fuel system
- Duplex fuel filters, RH or LH service
- Fuel transfer and priming pumps
- Hybrid fuel lines
- Fuel cooler
- Front support mounting system

## DIMENSIONS



### ENGINE DIMENSIONS & WEIGHT

(1) Length (overall – keel)	2121 mm	83.5 in
Length (overall – heat exchanger)	2284.2 mm	89.9 in
(1a) Length (flywheel housing – keel)	2030.4 mm	79.9 in
Length (flywheel housing – heat exchanger)	2008.1 mm	79.1 in
(2) Width	1528.3 mm	60.2 in
(3) Height	1038.4 mm	40.9 in
Weight, Net Dry (keel)	3155 kg	6956 lb
Weight, Net Dry (heat exchanger)	3245 kg	7155 lb

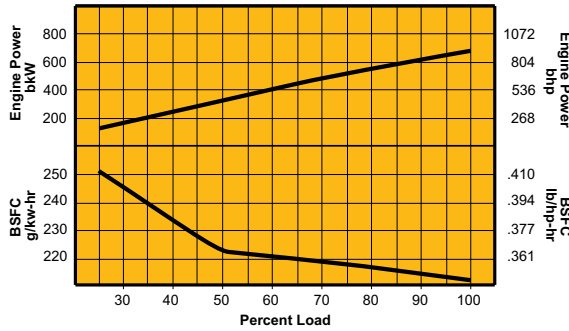
Note: Do not use these dimensions for installation design. See general dimension drawings for detail.

### MARINE ENGINE PERFORMANCE

Prime Rating – EM0442-00 (IMO II)

% Load	bhp	g/hr	bkW	g/bkW-hr
100	916	45.3	683	210.8
75	687	35.3	512	219.1
50	458	23.9	342	222.5
25	229	13.5	171	251.5

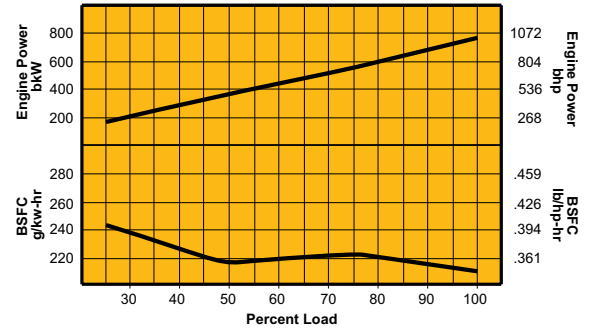
683 bkW (916 bhp) @ 1800 rpm



Prime Rating – EM0414-00 (IMO II)

% Load	bhp	g/hr	bkW	g/bkW-hr
100	1047	51.8	781	210.4
75	786	41.0	586	222.3
50	524	26.9	390	218.4
25	262	14.9	195	242.2

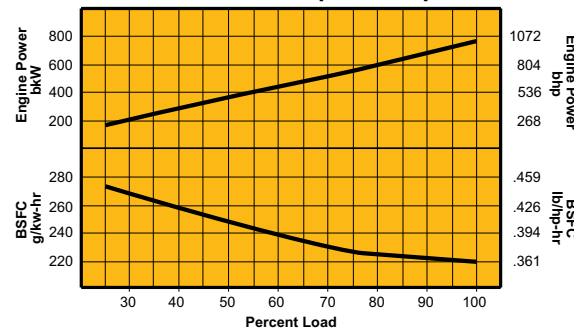
781 bkW (1047 bhp) @ 1800 rpm



Prime Rating – DM8895-00 (EPA Tier 3)

% Load	bhp	g/hr	bkW	g/bkW-hr
100	1047	54.1	781	220.1
75	786	41.7	586	226.1
50	524	30.2	390	246.0
25	262	16.8	195	273.1

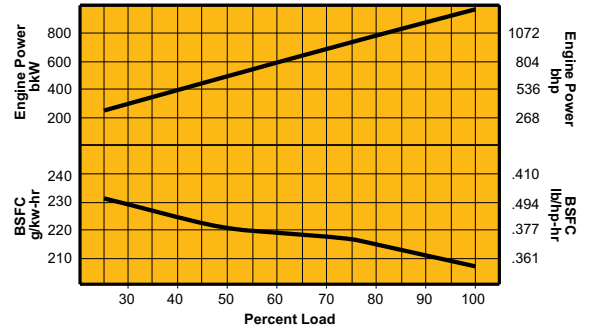
781 bkW (1047 bhp) @ 1800 rpm



Prime Rating – EM0415-00 (IMO II)

% Load	bhp	g/hr	bkW	g/bkW-hr
100	1333	64.9	994	207.2
75	1000	50.8	746	216.3
50	666	34.4	497	220.1
25	333	18.2	248	232.2

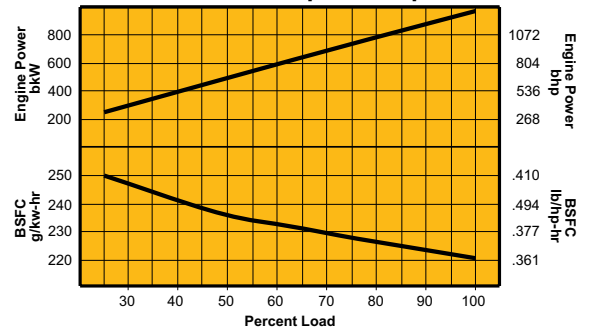
994 bkW (1333 bhp) @ 1800 rpm



Prime Rating – DM8896-00 (EPA Tier 3)

% Load	bhp	g/hr	bkW	g/bkW-hr
100	1333	69.1	994	220.7
75	1000	53.3	746	227.3
50	666	36.9	497	235.8
25	333	19.6	248	250.2

994 bkW (1333 bhp) @ 1800 rpm



CAT, CATERPILLAR, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.