

# C18 ACERT™

## MARINE AUXILIARY ENGINE

|         |         |          |
|---------|---------|----------|
| 404 bhp | 301 bkW | 1500 rpm |
| 514 bhp | 383 bkW | 1500 rpm |
| 587 bhp | 438 bkW | 1500 rpm |
| 660 bhp | 492 bkW | 1500 rpm |



Image shown  
may not reflect  
actual engine

## SPECIFICATIONS

### I-6, 4-Stroke-Cycle-Diesel

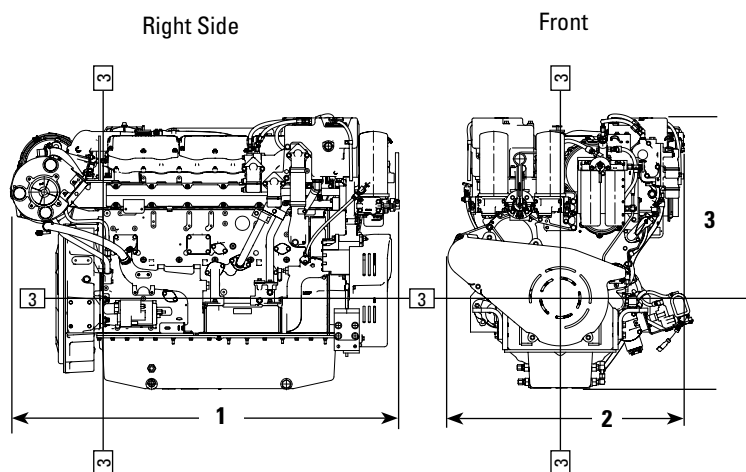
- IMO II compliant
- 18.0 L (1098 cu in) displacement
- 1500 rpm rated engine speed
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Refill capacity
  - Cooling system: 45 L (12 gal)
  - Lube oil system: 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 housing with SAE No. 18 flywheel (136 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

|                                 |          |           |
|---------------------------------|----------|-----------|
| <b>(1) Length</b>               | 1854 mm  | 73.0 in   |
| <b>(2) Width</b>                | 1134 mm  | 44.6 in   |
| <b>(3) Height</b>               | 1300 mm  | 51.2 in   |
| <b>Weight, Net Dry (approx)</b> | *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 – EM0086-01

| % Load | bhp | g/hr | bkW | g/bkW-hr |
|--------|-----|------|-----|----------|
| 100    | 404 | 19.9 | 301 | 210      |
| 75     | 303 | 15.1 | 226 | 213      |
| 50     | 202 | 10.6 | 151 | 223      |
| 25     | 101 | 6.3  | 75  | 267      |
| 10     | 40  | 3.8  | 30  | 396      |

MA Rating – EM0087-01

| bhp | g/hr | bkW | g/bkW-hr |
|-----|------|-----|----------|
| 514 | 25.2 | 383 | 209      |
| 385 | 19.0 | 287 | 211      |
| 257 | 13.1 | 192 | 217      |
| 129 | 7.3  | 96  | 241      |
| 51  | 4.2  | 38  | 347      |

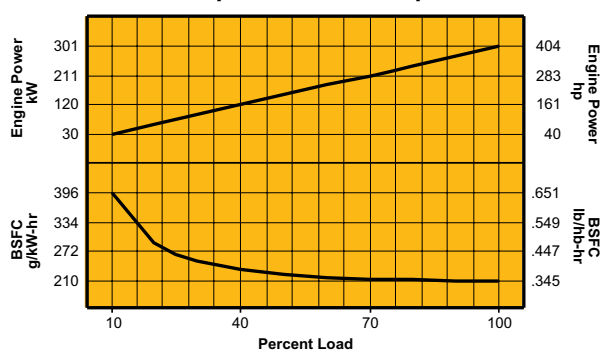
MA Rating – EM0088-01

| % Load | bhp | g/hr | bkW | g/bkW-hr |
|--------|-----|------|-----|----------|
| 100    | 587 | 28.7 | 438 | 208      |
| 75     | 441 | 21.8 | 329 | 211      |
| 50     | 294 | 14.8 | 219 | 214      |
| 25     | 147 | 8.9  | 110 | 258      |
| 10     | 59  | 4.6  | 44  | 335      |

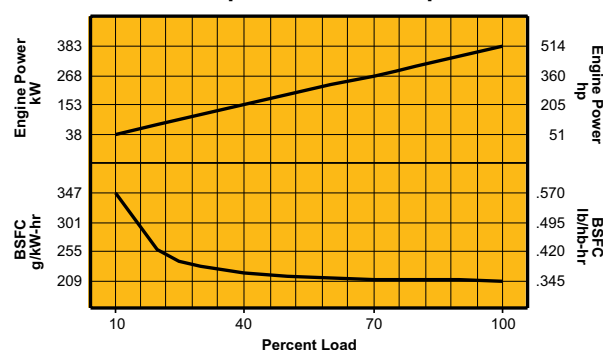
MA Rating – EM0089-01

| bhp | g/hr | bkW | g/bkW-hr |
|-----|------|-----|----------|
| 660 | 32.3 | 492 | 209      |
| 495 | 24.3 | 369 | 209      |
| 330 | 16.5 | 246 | 214      |
| 165 | 9.3  | 123 | 241      |
| 66  | 4.8  | 49  | 313      |

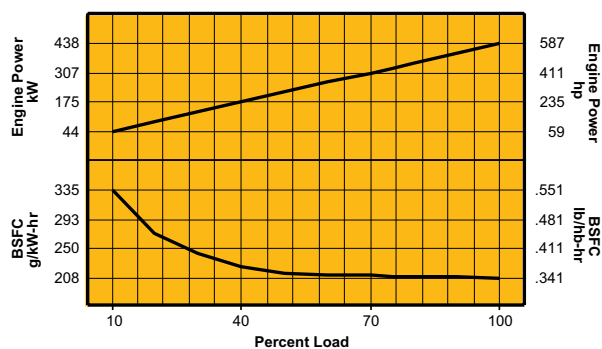
404 bhp (301 bkW) @ 1500 rpm



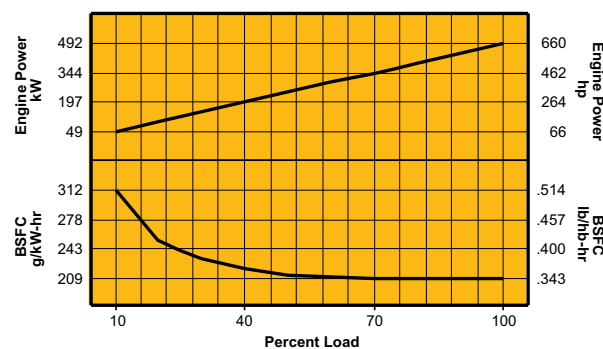
514 bhp (383 bkW) @ 1500 rpm



587 bhp (438 bkW) @ 1500 rpm



660 bhp (492 bkW) @ 1500 rpm



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