

# PRODUCT SPECIFICATIONS FOR C7.1 TIER 3 / IMO II

<b>Length</b>	43.1 in
<b>Height</b>	35.1 in
<b>Minimum Width</b>	31.4 in
<b>Maximum Width</b>	33.5 in
<b>Minimum Engine Dry Weight</b>	1609 lb
<b>Maximum Engine Dry Weight</b>	1676 lb
<b>Configuration</b>	In-line 6, 4-stroke-cycle diesel
<b>Emissions</b>	U.S. EPA Tier 3 / IMO II emissions certified (commercial), RCD 2016 compliant, EU Stage IIIA compliant, CCNR Stage II through reciprocity with EU Stage IIIA
<b>Rated Engine Speed</b>	2300 - 2700 rpm
<b>Bore</b>	4.13 in
<b>Stroke</b>	5.31 in
<b>Displacement</b>	428 in <sup>3</sup>
<b>Aspiration</b>	Turbocharged-aftercooled aspiration
<b>Governor</b>	Electronic (A5E2 V2 ECM)
<b>Refill Capacity</b>	Lube Oil System w/Oil filter change: 20 L (5.3 gal)
<b>Oil Change Interval</b>	500 hrs

<b>Cooling</b>	Heat exchanger or keel cooled
----------------	-------------------------------

<b>Flywheel Housing</b>	SAE No. 03 with SAE 11.5 in flywheel
-------------------------	--------------------------------------

<b>Rotation</b>	Counterclockwise from flywheel end
-----------------	------------------------------------

## **C7.1 TIER 3 / IMO II STANDARD EQUIPMENT**

### **COOLING SYSTEM**

Gear driven jacket water pump

Corrosion resistant sea water aftercooler

Fuel cooler

### **EXHAUST SYSTEM**

Watercooled turbocharger and exhaust manifold

### **FUEL SYSTEM**

Common rail fuel system

Electric fuel priming pump

### **GENERAL**

Vibration damper and guard

Self-tensioning multi-vee belt drive

### **LUBE SYSTEM**

Closed crankcase ventilation system

Integral engine oil cooler

### **MOUNTING SYSTEM**

Front and rear engine mounting brackets

### **STARTING SYSTEM**

Starter motors - 12V or 24V

## **C7.1 TIER 3 / IMO II OPTIONAL EQUIPMENT**

### **AIR INLET SYSTEM**

Various 6" water cooled exhaust elbow configurations

### **COOLING SYSTEM**

Engine mounted bilge pumps and auxiliary water pumps with electromagnetic clutch

Tube and bundle jacket water heat exchanger and gear-driven sea water pump (rubber impeller)

Jacket water heater

Cabin heater (calorifier) connections

### **FUEL SYSTEM**

SOLAS double wall high pressure fuel lines kit

### **LUBE SYSTEM**

Left-hand and right-hand oil dipsticks

Transmission gear oil cooler (engine mounted)

### **PROTECTION SYSTEM**

Additional engine and transmission sensor packages for on or off vessel monitoring

### **STARTING SYSTEM**

Engine mounted secondary alternator - 24V 100 amp or 12V 175 amp

Glow plugs

