

# PRODUCT SPECIFICATIONS FOR 3516C TIER 3

<b>Power Range</b>	2131-2675 bhp (1590-1995 bkW)
<b>Speed Range</b>	1600 rpm
<b>Emissions</b>	EPA Tier 3, IMO II
<b>Aspiration</b>	TTA
<b>Bore</b>	6.69 in
<b>Stroke</b>	8.46 in
<b>Displacement</b>	4765 in <sup>3</sup>
<b>Rotation from Flywheel End</b>	Counterclockwise
<b>Configuration</b>	Vee 16, 4-Stroke-Cycle Diesel
<b>Dry Weight</b>	21164 lb
<b>Length</b>	125.7 in
<b>Height</b>	87.6 in
<b>Width</b>	89.9 in

## **3516C TIER 3 STANDARD EQUIPMENT**

### **AIR INLET SYSTEM**

Corrosion-resistant separate circuit aftercooler core, air cleaners with service indicator, dual turbochargers, closed crankcase ventilation system

### **CONTROL SYSTEM**

Dual A4 engine control modules provide engine control and monitoring, rigid wiring harness with plug and run connectors on port and starboard sides

### **COOLING SYSTEM**

Separate circuit auxiliary fresh water pump, centrifugal non-self-priming auxiliary sea water pump, gear driven centrifugal jacket water pump, expansion tank, engine oil cooler, thermostats and housing

### **EXHAUST SYSTEM**

Dry gas-tight exhaust manifolds with SOLAS compliant stainless steel heat shields, dual turbochargers with water-cooled bearings and heat shields, modular pulse exhaust manifold, single exhaust outlet

### **FUEL SYSTEM**

Electronically controlled unit injectors, fuel filter with service indicators, fuel transfer pump, SOLAS compliant fuel connections with spill shield

### **INSTRUMENTATION**

Instrument panel shipped loose with Color Marine Power Display (MPD), alarm horn, overspeed shutdown notification light, emergency stop notification light, secondary ECU "Ready" light, secondary ECU "Active" light, graphic display unit for analog or digital display of oil and fuel pressure, oil and fuel filter differential, system DC voltage, exhaust and water temperature, air inlet restriction, service meter, engine speed, fuel consumption (total and instantaneous)

### **LUBE SYSTEM**

Pre-lube strategy, top-mounted dual crankcase breathers, oil filter with service indicators, oil level gauge, oil filler, gear-type oil pump

### **POWER TAKE-OFFS**

Accessory drives — upper RH, upper and lower LH; two-sided front housing

### **PROTECTION SYSTEM**

A4 electronic control module with customer programmable engine derate strategies, engine alarms and diagnostics displayed on local and remote MPDs, emergency stop pushbutton, safety shutoff protection for oil pressure and water temperature, overspeed protection

### **GENERAL**

Vibration damper and guard, Cat® yellow paint, two lifting eyes attach to engine block,

### **ISO CERTIFICATION**

Factory-designed systems built at Caterpillar ISO 9001:2000 certified facilities

### **MOUNTING SYSTEM**

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Mounting rails

**25160 TIER 2 OPTIONAL EQUIPMENT**

## **3510G TIER 3 OPTIONAL EQUIPMENT**

### **AIR INLET SYSTEM**

Air Cleaner Removal

Remote Air Inlet Adapters

### **CHARGING SYSTEM**

Battery Charger

Charging Alternator

### **CONTROL SYSTEM**

Throttle Position Sensor

Throttle Synchronization

### **COOLING SYSTEM**

Water Level Switch Gauge

Coolant Level Sensors

Connections

Keel Cooling Conversions

Heat Exchangers

Auxiliary Water Pumps

Sea Water Pump Removal

Coolant Shunt Tanks

Air Separator

Marine Gear Cooling

### **EXHAUST SYSTEM**

Exhaust Outlet

Flexible Fittings

Elbows

Flanges

Flange and Exhaust Expanders

Mufflers

### **FUEL SYSTEM**

Fuel Cooler

Fuel Priming Pumps

Flexible Fuel Lines

Rigid Fuel Lines

Primary Fuel Filter

Fuel level switch

### **INSTRUMENTATION**

PL1000T Communication Module

PL1000E Communication Module

Customer Interface

Thermocouples

Remote Panel Display

Remote Cylinder Temperature Display

Pilot House Instrument Panels

Marine Gear Sensors

Engine Vision Display System

## **LUBE SYSTEM**

Oil Pan

Oil Pan Accessories

Sump Pumps

Prelubrication Options

Lubricating Oil

Centrifugal Oil Filter

## **MOUNTING SYSTEM**

Engine Supports

Vibration Isolation Mountings

## **POWER TAKE-OFFS**

Flexible Coupling and Guards

Front Housing Accessories

Front Housing Accessory Drives

Upper LH Accessory Drive

Upper RH Accessory Drive

Front Power Take Offs

Crankshaft Pulleys

Damper Guard Removals

## **PROTECTION SYSTEM**

Air Inlet Shutoffs

Switches and Contactors

Explosion Relief Valve

Sensors

## **SPARE PARTS KITS**

Parts Kits

Pump Kits

Fuel Transfer

Lube Oil

## **SPECIAL APPEARANCE**

Chrome Plated Relief Valves

Black Air Cleaners

## **STARTING SYSTEM**

Starting Motors or Barring Device

Air Starting Motors Options

Starting Aids

Battery Sets - 24 Volt - Dry

Battery Rack

## **GENERAL**

Tool Set

Caterpillar Datalink Wire



