

# PRODUCT SPECIFICATIONS FOR 3616



<b>Maximum Power</b>	4920 kW
<b>Maximum Torque</b>	48390 Nm @ 820 rpm
<b>Rated Speed</b>	800-1000 rpm
<b>Minimum Power</b>	4160 kW
<b>Emissions</b>	Non-Certified
<b>Engine Configuration</b>	V 16, 4-Stroke-Cycle Diesel
<b>Bore</b>	280 mm
<b>Stroke</b>	300 mm
<b>Displacement</b>	295.6 l
<b>Aspiration</b>	Turbocharged Aftercooled
<b>Rotation from Flywheel End</b>	Counterclockwise
<b>Aftertreatment</b>	-
<b>Length</b>	5482 mm
<b>Width</b>	1704 mm
<b>Height</b>	3231 mm

© 2016 Caterpillar Inc. All rights reserved. CAT, the Caterpillar logo and "POWERED BY CAT" are trademarks of Caterpillar Inc. in the United States and other countries. 3616-0001

## **3616 STANDARD EQUIPMENT**

### **AIR INLET SYSTEM**

Aftercooler core, corrosion resistant coated (air side)

Air cleaner. Regular duty, dry, panel type with service indicators, turbocharger, jacket water aftercooled.

Turbocharger, rear mounted

Jacket water aftercooled

### **CONTROL SYSTEM**

Governor, RH, 3161 with self contained synthetic oil sump

Air-fuel ratio control

Mechanical speed control, without torque control

Governor control

Positive locking

### **COOLING SYSTEM**

Thermostats and housing

Jacket water pump, centrifugal

### **EXHAUST SYSTEM**

Exhaust manifold, dry

### **FLYWHEELS AND FLYWHEEL HOUSING**

SAE No. 00 flywheel

183 flywheel teeth

SAE No. 00 flywheel housing

### **FUEL SYSTEM**

Fuel filter, with service indicators, cartridge type with RH service

Fuel transfer pump

### **INSTRUMENTATION**

Instrument Panel. RH

Engine oil pressure gauge  
Fuel pressure gauge  
Oil filter differential gauge  
Jacket water temperature gauge  
Service meter, electric  
Tachometer

## **LUBE SYSTEM**

Crankcase breather, top mounted  
Oil cooler  
Oil filler  
Oil dipstick  
Oil pump  
Oil filter, cartridge type with RH service  
Shallow oil pan

## **MOUNTING SYSTEM**

Rails, mounting, engine length, 254 mm (10 in), industrial-type, C-channel.

## **POWER TAKE OFF**

Accessory drive, upper RH  
Front housing, single sided

## **PROTECTION SYSTEM**

Junction box  
Manual shutoff, RH  
Safety shutoff protection, energized to shutdown  
Low oil pressure, low idle 69 kPa (10 psi); high idle 207 kPa (30 psi)  
Water temperature  
Overspeed  
3161 governor solenoid energized to shutdown

## **STARTING SYSTEM**

Starting switch

## **GENERAL**

Vibration damper  
Lifting eyes  
Paint: Caterpillar yellow, with optional colors available at request



