

# PRODUCT SPECIFICATIONS FOR 3616

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## POWER RATING

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<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

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## EMISSION STANDARDS

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<b>Emissions</b>	Non-Certified
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## GENERAL

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<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>	-

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## ENGINE DIMENSIONS - APPROXIMATE

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<b>Length</b>	5482 mm
<b>Width</b>	1704 mm
<b>Height</b>	3231 mm

## 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

#### 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