

# PRODUCT SPECIFICATIONS FOR C18



<b>Maximum Power</b>	470 kW
<b>Rated Speed</b>	1800-2100
<b>Minimum Power</b>	429 kW
<b>Emissions</b>	China Stage II, U.S. EPA Tier 3 Equivalent, EU Stage IIIA Equivalent or Non-Certified
<b>Engine Configuration</b>	Inline 6, 4-Stroke-Cycle Diesel
<b>Bore</b>	145 mm
<b>Stroke</b>	183 mm
<b>Displacement</b>	18.1 l
<b>Compression Ratio</b>	16.3:1
<b>Aspiration</b>	Turbocharged Aftercooled (TA)
<b>Rotation from Flywheel End</b>	Counterclockwise
<b>Aftertreatment</b>	-
<b>Length</b>	1388 mm
<b>Width</b>	921 mm
<b>Height</b>	1243 mm

**Weight**

2197 kg

## **C18 STANDARD EQUIPMENT**

### **AIR INLET SYSTEM**

Turbocharged Aftercooled (429-470 bkW, 575-630 bhp)

Twin Turbocharged Aftercooled (522-597 bkW, 700-800 bhp)

Air-to-Air Aftercooled

### **CHARGING SYSTEM**

Charging alternator 24 volt, 50 amp

### **CONTROL SYSTEM**

Electronic governing, PTO speed control

Programmable ratings

Automatic altitude compensation

Power compensation for fuel temperature

Programmable low and high idle and total engine limit

Electronic diagnostics and fault logging

Engine monitoring system SAE J1939 broadcast and control

ADEM™ A4 Electronic Control Unit (ECU)

### **COOLING SYSTEM**

Thermostats and housing, vertical outlet

Jacket water pump, centrifugal

Water pump, inlet

### **EXHAUST SYSTEM**

Exhaust manifold, dry

Optional exhaust outlet

### **FLYWHEELS AND FLYWHEEL HOUSING**

SAE No. 1 flywheel housing

**FUEL SYSTEM**

## **FUEL SYSTEM**

MEUI injection

Fuel filter, secondary (2 micron)

ACERT™ Technology

Fuel transfer pump

Fuel priming pump

## **LUBE SYSTEM**

Crankcase breather

Oil cooler

Oil filler

Lube oil filter

Front sump oil pan

Oil dipstick

Gear driven oil pump

## **GENERAL**

Vibration damper

Lifting eyes

Cold start capability to -20° C (-4° F)

Paint: Caterpillar yellow, with optional colors available at request

