

PRODUCT SPECIFICATIONS FOR C32 TIER 3

US Metric

Minimum Rating 1047 BHP

Maximum Rating 1333 BHP

Aspiration TTA

Displacement 1959 in³

Bore 5.7 in

Stroke 6.4 in

Rotation from Flywheel End Counterclockwise

Configuration Vee 12, 4-Stroke-Cycle Diesel

Minimum Height 60.9 in

Maximum Height 62.5 in

Maximum Width 60.2 in

Maximum Dry Weight 7160 lb

Maximum Length 89.9 in

Minimum Dry Weight 6950 lb

Minimum Length 83.5 in

Minimum Width 60.2 in

C32 TIER 3 STANDARD EQUIPMENT

AIR INLET SYSTEM

Separate circuit after-cooled (SCAC)

Air cleaner

Turbocharger, jacket water cooled

Turbocharger inlet, 152 mm (6 in) OD straight connection

CONTROL SYSTEM

Programmable Low Idle (550 - 750 rpm)

Programmable High Idle Limit for WOSR Ratings

Electronic diagnostics and fault logging

Engine and transmission monitoring (speed, temperature, pressure)

Electronic fuel/air ratio control

Engine Protection Mode for extended ambient conditions

70-pin customer connector

Throttle Input signal options

0 - 5 Volts

4 - 20 mA

PWM (Pulse Width Modulated)

COOLING SYSTEM

Separate Circuit After-Cooling (SCAC) for both HEX and Keel cooled engines

Jacket Water (JW) and SCAC Heat Exchangers Shell & Tube for HEX cooled engines

SCAC pump, gear driven

Jacket water pump, gear driven

Sea water pump, bronze impeller, gear driven, when selected for Hex cooled engines

Sea water Pump & JW Heat Exchanger Connection: 76.2 mm (3in) ID Standard 4 Bolt ANSI Flange Connection

Keel Connections: 76.2 mm (3in) ID Standard 4 Bolt

SCAC and JW shunt tanks for maintaining proper pump inlet pressures

EXHAUST SYSTEM

Water-cooled exhaust manifold & turbocharger

4 Bolt 130 mm (5.12 in) diameter flanged outlet

FLYWHEELS & FLYWHEEL HOUSINGS

SAE standard rotation (CCW facing exciter end)

Flywheel Housing: SAE No. 0, Flywheel: 18 inch, 136 teeth

FUEL SYSTEM

Duplex Fuel Filters, Spin-on, RH & LH service

Fuel connections size: r driven

Plate-type fuel cooler installed behind Aftercooler Shunt Tank

Fuel transfer pump, gear driven

Manual fuel priming pump

Hybrid fuel line design

LUBE SYSTEM

Simplex Oil Filters, RH or LH service

Deep sump oil pan

RH or LH service oil filler locations

RH or LH service dipstick

Oil pump, gear driven

MOUNTING SYSTEM

Front support - 33 inches wide

POWER TAKE-OFFS

Front Poly-V groove pulley (Quantity 1) for auxiliary drives

GENERAL

Common electrical bonding point

Engine does not ship with zinc components

C32 TIER 3 OPTIONAL EQUIPMENT EXHAUST SYSTEM

Dry Elbows
Flexible Fitting
Flange

Range

Muffler

Muffler Spark Arresting

AIR INLET SYSTEM

Air Inlet Adapter

CHARGING SYSTEM

Battery Chargers

Charging Alternators

Ammeter

CONTROL SYSTEM

Load Sharing Attachment

Instrument Panels

Caterpillar Alarm Protection

Fuel and Oil Shielding

FUEL SYSTEM

Water Separator

GENERAL

FUMES DISPOSAL SYSTEM

INSTRUMENTATION

Instrument Panels

OEM Wiring Harness

Engine to Engine Harness

Gauges

Transmission Sensors

Exhaust Temperature Sensors

LUBE SYSTEM

Duplex Oil Filters

Sump Pump

POWER TAKE-OFFS

Rear Hydraulic Pump Drive

STARTING SYSTEM

Electric Starting Motors - Single 24 Volt

Air Starting Motor

Dual Starting Motors (Electric and Air)

Air Start Accessories

Starting Aids - JW Heaters

Battery Sets - 24 Volt - Dry

MOUNTING SYSTEM

Front Support

Rear Support

Isolators Mounts

Adapter Kits

PACKING

PACKING

Engine Protective Cover
Storage Preservation
Export Packing

