

PRODUCT SPECIFICATIONS FOR C18 TIER 3

US Metric

Minimum Rating 624 BHP

Maximum Rating 803 BHP

Aspiration TA, TTA

Bore 5.7 in

Displacement 1106 in³

Configuration In-Line 6, 4-Stroke-Cycle Diesel

Stroke 7.2 in

Rotation from Flywheel End Counterclockwise

Length 73 in

Height 51.2 in

Dry Weight 1950 lb

Width 44.6 in

C18 TIER 3 STANDARD EQUIPMENT

AIR INLET SYSTEM

Separate circuit after-cooled (SCAC)
Open Crankcase Ventilation (OCV) system
Turbocharger, jacket water cooled
Turbocharger inlet, 152 mm (6 in) OD straight connection

CONTROL SYSTEM

Programmable low idle
Electronic diagnostics and fault logging
Electronic fuel/air ratio control
Engine Protection Mode for extended ambient conditions - EPA Tier 3 Ratings Only
70-pin customer connector
Three types of throttle inputs (primary/ secondary PWM, 0-5V, 4-20mA)

COOLING SYSTEM

Separate Circuit After-Cooling (SCAC) for both HEX and Keel cooled engines
Engine JW and SCAC Shell & Tube Heat Exchangers for HEX cooled engines
SCAC pump, gear driven, for HEX cooled engines only
Jacket water pump, gear driven
Auxiliary water pump, gear driven
Sea water pump, bronze impeller, gear driven
SCAC and JW shunt tanks for maintaining proper pump inlet pressures

EXHAUST SYSTEM

152 mm (6 in) round flanged outlet
Water-cooled exhaust manifold & turbocharger

FLYWHEELS & FLYWHEEL HOUSINGS

Flywheel Housing, SAE No. 0
Flywheel, 18 inch, 136 teeth
SAE standard rotation

FUEL SYSTEM

Front service simplex fuel system
Fuel transfer pump, gear driven
Manual fuel priming pump
Hybrid fuel line design

LUBE SYSTEM

Front service simplex oil system
Center sump oil pan:
Front and top service oil filler locations
Front service dipstick

Oil pump, gear driven

MOUNTING SYSTEM

Front support - adjustable

POWER TAKE-OFFS

Hydraulic Pump Drive

Crankshaft Pulleys

Front Stub Shaft

Front Enclosed Clutch

GENERAL

Front damper guard

Front service engine

Common electrical bonding point

Engine does not ship with zinc components

NOTE: These engines are for constant speed generator set applications only, and NOT to be used for variable speed applications

C18 TIER 3 OPTIONAL EQUIPMENT

EXHAUST SYSTEM

Dry Elbows

Water-Cooled Elbows

Flexible Fitting

Flange

Muffler

Muffler Spark Arresting

AIR INLET SYSTEM

Air Inlet Adapter

CHARGING SYSTEM

Battery Chargers

Charging Alternators

Alternator Mounting Group

Ammeter

CONTROL SYSTEM

CONTROL SYSTEM

MECP I - Marine Engine Control Panel

Caterpillar Alarm and Protection

Load Sharing Attachment

COOLING SYSTEM

Aux Expansion Flange Kit

FUEL SYSTEM

Duplex Fuel Filters

Fuel Cooler

Primary Fuel Filters

Flexible Fuel Lines

INSTRUMENTATION

Instrument Panels

OEM Wiring Harness

Gauges

Oil Level Sensor

LUBE SYSTEM

Duplex Oil Filters

Sump Pump

POWER TAKE-OFFS

Crankshaft Pulleys

Front Stub Shaft

Hydraulic Pump Drive Adapter

Front Enclosed Clutch

PROTECTION SYSTEM

Marine Classification Society and SOLAS

STARTING SYSTEM

Electric Starting Motors - Single 24 Volt

Air Starting Motor

Air Start Accessories

Starting Aids - JW Heaters

Battery Sets - 24 Volt - Dry

MOUNTING SYSTEM

Front Support

REAR ENGINE SUPPORT

PACKING

Engine Protective Cover

Storage Preservation

Export Packing

