

PRODUCT SPECIFICATIONS FOR C18 ACERT TIER 3 RECREATIONAL

US

Metric

Power Range 1015-1150 mhp, 1001-1136 bhp, 747-847 kW

Speed Range 2300 rpm

Emissions EPA Tier 3, IMO II, EU IW

Aspiration TA,TTA

Bore 145 mm

Stroke 183 mm

Displacement 18.1 l

Rotation from Flywheel End Counterclockwise

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

Maximum Height 1300 mm

Maximum Dry Weight 47.4 kg

Maximum Width 1204 mm

Maximum Length 1931 mm

Minimum Length 1854 mm

Minimum Dry Weight 44.6 kg

Minimum Width 1134 mm

Minimum Height

1198 mm

C18 ACERT TIER 3 RECREATIONAL STANDARD EQUIPMENT

AIR INLET SYSTEM

Aftercooler - sea water, corrosion resistant
Air cleaner/fumes disposal (closed system)
Turbocharger, jacket water cooled
Front-down and rear-down aftercooler condensate drains

CONTROL SYSTEM

Electronic diagnostics and fault logging
Cold mode start strategy
Engine and transmission monitoring (speed, temperature, pressure)
Electronic fuel/air ratio control
70-pin customer connector
Engine Protection Mode for High Ambient Conditions
Three types of throttle inputs (primary/ secondary PWM, 0-5V, 4-20mA +/-)

COOLING SYSTEM

Sea water pump, rubber impeller, self-priming, gear driven
Sea water aftercooled
Jacket water pump, gear driven
JW Heat Exchanger - Titanium plate with integral fuel cooler expansion tank, and thermostat housing (fully open temp 92C)
Coolant recovery system

EXHAUST SYSTEM

Water-cooled exhaust manifold & turbocharger
114.3 mm (4.5 in) ID round flanged exhaust outlet

FLYWHEELS & FLYWHEEL HOUSINGS

Flywheel Housing, SAE No. 1
Flywheel, 18 inch, 113 teeth

SAE standard rotation

FUEL SYSTEM

Fuel filter, RH service on Port, LH service on Starboard

Fuel transfer pump

Fuel priming pump

Hybrid fuel line design

LUBE SYSTEM

Crankcase breather

Oil cooler

Oil filter, spin-on, low profile, RH service on Port, LH service on

Oil pan, center sump

Dipstick, RH service on Port, LH service on Starboard

Oil pump, gear driven

POWER TAKE-OFFS

Hydraulic pump drive, SAE A, 11-tooth spline, 46 ft-lbs max torque, counterclockwise as viewed from the front of the engine with 1.41 x engine speed

Crankshaft pulley, 292 mm (11.5 in) two groove, 15.88 mm (0.63 in) width

PROTECTION SYSTEM

A4 ECM Electronic Engine Monitoring System provides customer programmable engine de-rate strategies to protect against adverse operating conditions

GENERAL

Front damper guard

Lifting eyes

RH or LH service options

Upper rear-facing customer wiring connector and Service Tool connection

C18 ACERT TIER 3 RECREATIONAL OPTIONAL EQUIPMENT

CHARGING SYSTEM

Battery Chargers

Charging Alternators

FUEL SYSTEM

Primary Fuel Filter / Water Separator

Primary Fuel Filter / Water Separator

Primary Fuel Filter

LUBE SYSTEM

Transmission Oil Cooler

POWER TAKE-OFFS

Crankshaft Pulleys

STARTING SYSTEM

Electric Starting Motor - Single 24 Volt

Battery Sets - 24 Volt - Dry

CONTROL SYSTEM

MECP I

INSTRUMENTATION

OEM Wiring Harness

Engine to Engine Harness

Instrument Panels

Transmission Sensors