

PRODUCT SPECIFICATIONS FOR 3512C HD

US Metric

Power Range 1340-2366 bhp (1000-1765 kW)

Speed Range 1600-1800 rpm

Emissions EPA Tier 3, IMO II

Aspiration TTA

Bore 170 mm

Stroke 215 mm

Displacement 58.6 l

Rotation from Flywheel End Counterclockwise

Configuration Vee 12, 4-Stroke-Cycle Diesel

Width 2037 mm

Height 2222.6 mm

Dry Weight 7488 kg

Length 2645 mm

3512C HD STANDARD EQUIPMENT

AIR INLET SYSTEM

Separate circuit aftercooler core, corrosion resistant coated (air side)

Powercore air cleaner

CONTROL SYSTEM

Dual Caterpillar A4 Electronic Engine Control with Electronic Unit Injector Fuel System

Rigid Wiring Harness (10 amp DC power required to drive Electronic Engine Control Module)

EXHAUST SYSTEM

3500C engines:

FUEL SYSTEM

Fuel transfer pump

Electronically Controlled Unit Injectors

LUBE SYSTEM

Crankcase breather groups, Top mounted

Oil filler and dipstick, LH or RH

Oil pump, gear type

250 or 1000 hour sump oil pan

POWER TAKEOFFS

Accessory drives: Lower RH, lower LH

Front housing, two-sided

PROTECTION SYSTEM

A4 Electronic Monitoring System provides customer programmable engine derating strategies to protect against adverse operating conditions

Emergency stop push button (located in Electronic Instrument Panel)

Safety shutoff protection:

GENERAL

Vibration damper and guard

Lifting eyes

NOTE: Engines for heat exchanger cooling do NOT include heat exchange

FLYWHEEL AND FLYWHEEL HOUSING

Flywheel, SAE No. 00, 183 teeth

Flywheel housing, SAE No. 00

COOLING SYSTEM

Oil cooler

Thermostats and housing, Full open temperature 92 C (198 F)

Jacket water pump, gear driven, centrifugal

Auxiliary fresh water pump

Aftercooler system: If using glycol, up to maximum 20% glycol concentration is allowed

INSTRUMENTATION

Electronic service meter, instrument panel (24V), start/stop switch, emergency stop button, maintenance due light, diagnostic light, warning light, maintenance clear switch, start motor magnetic switch, 15 and 3A breakers

Graphical Unit (Color Marine Power Display) for analog or digital of:

3512C HD OPTIONAL EQUIPMENT

AIR INLET SYSTEM

Air Inlet Adapters

CHARGING SYSTEM

Battery Chargers

Charging Alternator

CONTROL SYSTEM

Throttle Control

COOLING SYSTEM

Coolant Shunt Tank

Cooling System Options

EXHAUST SYSTEM

Flexible Fittings

Elbows

Flanges

Flange and Exhaust Expanders

Mufflers

FUEL SYSTEM

Fuel Cooler Heat Exchanger - Sea Water

Primary Fuel Filter

Fuel Level Switch

Rigid Fuel Lines

Flexible Fuel Lines

INSTRUMENTATION

Communication Modules

Color Marine Power Display System

Pilot House Instrument Panels

Marine Gear Sensors

LUBE SYSTEM

Super Pump

Sump Pumps

Lubricating Oil

POWER TAKE-OFFS

Stub Shafts

Crankshaft Pulleys

Damper Guard

Flexible Coupling and Guards

MARINE SOCIETY REQUIREMENTS

Green Passport Documentation

Spray Shielding

PROTECTION SYSTEM

Shutoff and Alarm Contactors

SPECIAL APPEARANCE PACKAGES

Special Appearance Packages with Chrome Covers

Yacht Class Finish

STARTING SYSTEM

Air Starting Motor Options

Battery Sets - 24 Volt - Dry

Battery Rack

MOUNTING SYSTEM

Engine Supports

Vibration Isolation Mountings

PACKING

Shrink Wrap Protection

Storage Preservation with Glycol Solution/Vapor Corrosion Inhibitor

Export Boxing

Export Packaging

