

YC6C

MARINE ENGINE

478-706kW (650-960Ps)

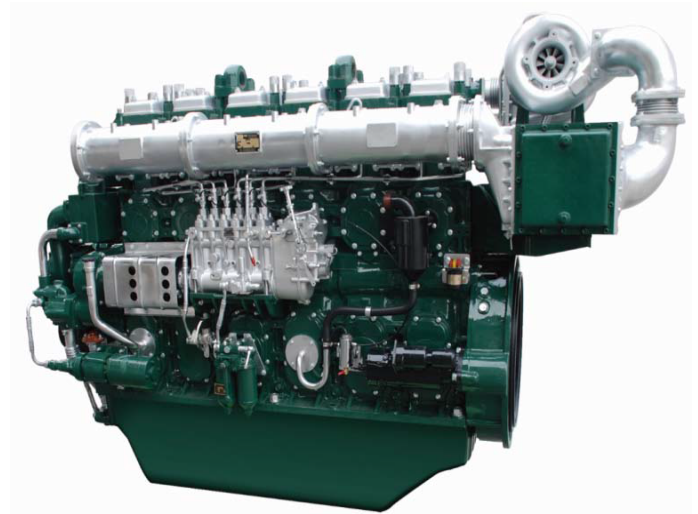
Model

Main engine

YC6C650L-C20	478kW(650Ps)@1000rpm
YC6C820L-C20	603kW(820Ps)@1200rpm
YC6C925L-C20	680kW(925Ps)@1350rpm
YC6C960L-C20	706kW(960Ps)@1350rpm

Auxiliary engine

YC6C650L-C20	478kW(650Ps)@1000rpm
YC6C700L-C20	515kW(700Ps)@1000rpm
YC6C820L-C21	600kW(820Ps)@1500rpm



Images shown may not reflect actual engines

SPECIFICATION

L-6,4-Stroke-Cycle-Diesel

Emissions	IMO/EPA Tier2
Displacement	39.584L
Compression ratio	14.5 : 1
Rated engine speed	1000-1500rpm
Bore	200.0mm
Stroke	210.0mm
Firing order	1-5-3-6-2-4
Aspiration	Turbocharged/Intercooled
Governor	Mechanical/Electronic tuned
Cooling System	Fresh water forced closed circulation cooling
Weight ,Net Dry(approx)	4,700kg
Refill Capacity	
Cooling System (engine only)	79.84
Lube Oil System(refill)	150~180L
Oil Change Interval	250hrs
	CF-40 grade or above
Rotation	Counterclockwise(from flywheel end)
Flywheel and Flywheel housing	
Flywheel housing	SAENo.0
Flywheel	SAENo.18
Flywheel Teeth	153
Maximum Exhaust Back Pressure	10kPa
Dimension(LxWxH)	2 867×1 262×2 142

YC6C MARINE ENGINE

478-706kW
650-960Ps

Air Inlet System

- Intercooler- jacket water ,corrosion resistant
- Air cleaner
- Turbocharger

Exhaust System

- Manifold
- Turbocharger
- Dry Elbow
- Flexible fitting, exhaust corrugated pipe

Cooling System

- Thermostat
- Belt-driven centrifugal sea water pump
- Gear-driven centrifugal water pump
- Heat exchanger
- Expansion tank
- Engine oil cooler

Lube System

- Oil pump, gear driven
- Electric oil pre-supply pump
- Oil cooler
- Oil filter
- Bypass centrifugal oil filter
- Oil filler
- Dipstick
- Crankcase breather
- Deep center sump oil pan

Fuel System

- Fuel filter
- Fuel pump
- Fuel transfer pump
- Fuel cut solenoid valve

OPTIONAL EQUIPMENT

Lube System

- Manual sump pump

Fuel System

- Fuel leakage gathering tank(compulsory foCCS/BV)

Control System

- The optional remote meter wiring harness length (40/50m)

Starting/ Charging System

- Air starting motors
- Charging alternator(28V/1000W)

Control System

- Mechanical governor
- Electronic governor
- Instrumentation(Digital LCDtype):
engine speed and hours
engine oil pressure and temperature;
engine jacket water temperature;
exhaust temperature
on/off key switch;
emergency stop button;
over speed shutdown and remote stop notification lights;
momentary start/stop logic:
electronic control prelude
- Remote meter parts (Digital LCD type)
- 30m remote meter wiring harness

Starting/ Charging System

- Electronic starting motors(24V/7.5kW)
[Single/double wire system(OPTIONAL)]

Certification

- ISO Certification/ISO
Factory-designed systems built at Yuchai
ISO/TS16949:2009 certified facilities

General

- Crankshaft vibration damper
- Crankshaft pulley
- Lifting eyes
- Tool box
- Workshop manual
- Parts catalogue
- Side access block
- Engine protective cover for shipping

Certification

- Emissions Certification
IMO certifications for CCS
- Engine Certification
CCS

General

- Fumigation packing box (compulsory for export)