

YC6A MARINE ENGINE

112-206kW (152-280Ps)

Model

Main engine

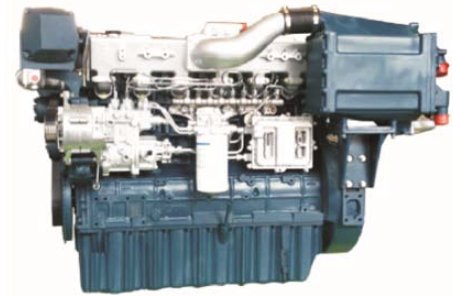
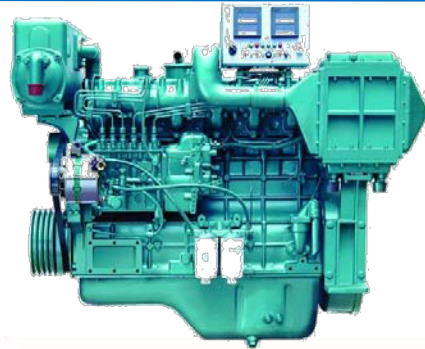
YC6A170C	125kW(170Ps)@1500rpm
YC6A190C	140kW(190Ps)@1800rpm
YC6A220C.	162kW(220Ps)@2300rpm

Craft engine

YC6A190C.	140kW(190Ps)@1800rpm
YC6A220C	162kW(220Ps)@2300rpm
YC6A280L-C22	206kW(280Ps)@2500rpm(Common rail)

Auxiliary engine

YC6108ZLCB	112kW(152Ps)@1500rpm
YC6A170C	125kW(170Ps)@1500rpm
YC6A200L-C20	145kW(200Ps)@1500rpm



Images shown may not reflect actual engines

SPECIFICATION

L-6,4-Stroke-Cycle-Diesel

Emissions	IMO/EPA Tier2 (more than 130KW)
Displacement	7.255L
Compressionratio	17.5:1/15.7:1 (Common rail)
Rated engine speed	1500-2500rpm
Bore	108mm
Stroke	132mm
Firing order	1-5-3-6-2-4
Aspiration	Turbocharged/Intercooled
Governor	Mechanical /ECU(Common rail)/ Electronic tuned
Cooling System	Fresh water forced closed circulation cooling
Weight, Net Dry(approx)	770kg
Refill Capacity	
Cooling System (engine only)	20.6L
Lube Oil System(refill)	22L
Oil Change Interval	250hrs
	CF-40 grade or above
Rotation	Counterclockwise(from flywheelend)
Flywheel and Flywheel housing	
Flywheel housing	SAENo.2
Flywheel	SAENo.11.5
Flywheel Teeth	110
Maximum Exhaust Back Pressure	10kPa
Dimension(LxWxH)	1415×910×1075/1433×899×976(Common rail)

YC6A MARINE ENGINE

112-206kW

152-280Ps

STANDARD ENGINE EQUIPMENT

Air Inlet System

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

Exhaust System

- Manifold
- Water cooling exhaust pipe(Common rail)
- Turbocharger
- Dry Elbow
- Flexible fitting ,exhaust corrugated pipe

Cooling System

- Thermostat
- Belt-driven centrifugal sea water pump
- Belt -driven centrifugal water pump
- Heat exchanger with expansion tank
- Engine oil cooler

Lube System

- Oil pump ,gear driven
- Oil cooler
- Oil filter
- Oil filler
- Dipstick
- Crankcase breather
- Deep center sump oil pan

Fuel System

- Fuel filter
- Oil water separator
- Fuel pump

- Fuel transfer pump
- Fuel cut solenoid valve

Control System

- Mechanical governor
- ECU(Common rail)
- Instrumentation(Digital LCD type)
engine speed and hours
engine oil pressure and temperature;
engine jacket water temperature;
on/off key switch;
emergency stop button;
over speed shutdown notification light;

Starting/ Charging System

- Electronic starting motors(24V/6kW)
- Charging alternator(28V/35A)

Certification

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

General

- Crankshaft vibration damper
- Crankshaft pulley
- Lifting eyes
- Front support leg, Rear support leg
- Workshop manual
- Parts Catalog
- Engine protective cover for shipping

OPTIONAL EQUIPMENT

Fuel System

- Fuel leakage gathering tank(compulsory for CCS/BV)

Certification

- Emissions Certification
IMO certifications for CCS (more than 130KW)
- Engine Certification
CCS

General

- Fumigation packing box (compulsory for export)