

YC4F MARINE ENGINE

63-85kW (90-115Ps)

Model

Craft engine

YC4F90L-C20	63kW(90Ps)@ 2800rpm
YC4F100-C20	73kW(100Ps)@295 0rpm
YC4F115G31	85kW(115Ps)@310 0rpm



Images shown may not reflect actual engines

SPECIFICATION

L-4,4-Stroke-Cycle-Diesel

Emissions	/
Displacement	2.66L
Compression ratio	16.3:1
Rated engine speed	2800-3100rpm
Bore	92mm
Stroke	100mm
Firing order	1-3-4-2
Aspiration	TurbochargedIntercooled
Governor	Mechanical
Cooling System	Fresh water forced closed circulation cooling
Weight, Net Dry(approx)	420kg
Refill Capacity	
Cooling System (engine only)	20L
Lube Oil System(refill)	10L
Oil Change Interval	250hrs
	CG grade or above
Rotation	Counterclockwise(from flywheel end)
Flywheel and Flywheel housing	
Flywheel housing	Non-standard
Flywheel	Non-standard
Flywheel Teeth	125
Maximum Exhaust Back Pressure	10kPa
Dimension(LxWxH)	1 000×580×840/866×623×738(YC4F90L-C20)

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STANDARD ENGINE EQUIPMENT

Air Inlet System

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

Exhaust System

- Water cooling exhaust pipe
- Turbocharger
- Dry Elbow
- Flexible fitting ,exhaust corrugated pipe

Cooling System

- Thermostat
- Gear-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
- Instrumentation(Digital LCD type)
 - engine speed
 - engine oil pressure and temperature;
 - engine jacket water temperature;
 - on/off key switch;
 - emergency stop button;
 - over speed shutdown notification lights

Starting/ Charging System

- Electronic starting motors(12V/2.8kW)
- Charging alternator(14V/50A)

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

- Engine Certification
 - CCS

General

- SAENo.4 flywheel housing & SAENo.10 flywheel optional
- Fumigation packing box (compulsory for export)