

YC4D

MARINE ENGINE

50-55kW (68-75Ps)

Model

Main engine

YC4108ZC 50kW(68Ps)@1500rpm

YC4D75C 55kW(75Ps)@1800rpm

Auxiliary engine

YC4108ZC 50kW(68Ps)@1500rpm



Images shown may not reflect actual engines

SPECIFICATION

L-4,4-Stroke-Cycle-Diesel

Emissions	/
Displacement	4.214L
Compression ratio	17:1
Rated engine speed	1500-1800rpm
Bore	108mm
Stroke	115mm
Firing order	1-3-4-2
Aspiration	Turbocharged
Governor	Mechanical/Electronic tuned
Cooling System	Fresh water forced closed circulation cooling
Weight, Net Dry(approx)	390kg
Refill Capacity	
Cooling System (engine only)	7.4L
Lube Oil System(refill)	13L
Oil Change Interval	250hrs
	CF grade or above
Rotation	Counterclockwise(from flywheel end)
Flywheel and Flywheel housing	
Flywheel housing	SAENo.3
Flywheel	SAENo.11.5
Flywheel Teeth	130
Maximum Exhaust Back Pressure	10kPa
Dimension(LxWxH)	986×730×1254

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75-68Ps

STANDARD ENGINE EQUIPMENT

Air Inlet System

- 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
- 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

Control System

- Mechanical governor
- Electronic governor
- Instrumentation:
engine speed;
engine oil pressure and temperature;
engine jacket water temperature;

Starting/ Charging System

- Electronic starting motors(24V/5kW)
- 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

- Engine Certification
CCS

General

- Fumigation packing box (compulsory for export)