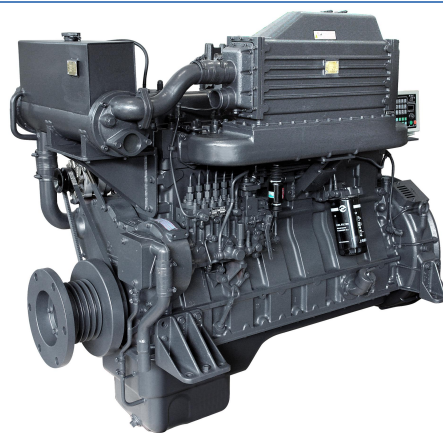


## MARINE PROPULSION

### ENGINE SPECIFICATIONS

Engine Type	Inline-6 Cylinders, 4-Stroke Diesel
Bore X Stroke	135mm X 165mm
Aspiration	Turbocharged & Intercooled
Displacement	14.16L
Rotation	Anti-clockwise facing flywheel
Emissions	IMO II



### POWER RATINGS & PERFORMANCE DATA

Power Rating	Continuous duty		
Rated RPM	1500/1800	1500	1500/1800
kW	280	308	330
Fuel Oil Consumption in rated power L/Hr	67.93	74.7	80.1
Max Torque (N.m) @RPM	2100@1200	2150@1300	2475@1300

### ENGINE FEATURES

#### Certifications

Emissions compliant to IMO ANNEX VI of MARPOL 73/78 guidelines. Certifications available for CCS

#### Engine Design

Robust engine block designed for continuous duty operation and long life. Metric O-ring seals and edge molded gaskets eliminate fluid leaks. L.O cooled aluminum alloy AVL piston design with 3 high performance rings, fracture split connecting rod with angle tightening method. Wet type replaceable cylinder liner. One whole piece cast iron AVL design cylinder head assembly, each unit with one inlet valve and one exhaust valve with valve rotator. Cast steel crankshaft with 7 bearings

#### Cooling System

Fresh/raw water heat exchanger with integrated thermostat valves and expansion tank. Cast iron centrifugal fresh water pump and cast iron centrifugal raw water pump

#### Electrical System

Voltage: 24Vcc, electrical starter on flywheel crown, local control and alarm panel with remote panel, engines stop solenoid

#### Fuel Oil System

Inline injection fuel pump with full speed mechanical governor. Double skin fuel injection pipe with fuel leak alarm. Spin-on single unit fuel oil secondary filter

#### Lubrication System

Spin-on duplex oil filters provide extended service interval and less maintenance. Special oil pan design in order to enhance L.O circulation. Crankcase ventilation with oil and gas separator. F.W cooled plate type L.O cooler

#### Exhaust & Intake Air System

Dry type exhaust manifold with insulation coverage. MITSUBISHI brand dry turbo with insulation. Raw water cooled intake air cooler which made of high corrosive resistance bronze fins

#### Options

Air starter, dirty oil hand pump, pre-lub hand pump, remote control panel, stainless/bronze raw water pump, water separating primary fuel oil filter

### ENGINE DIMENSIONS

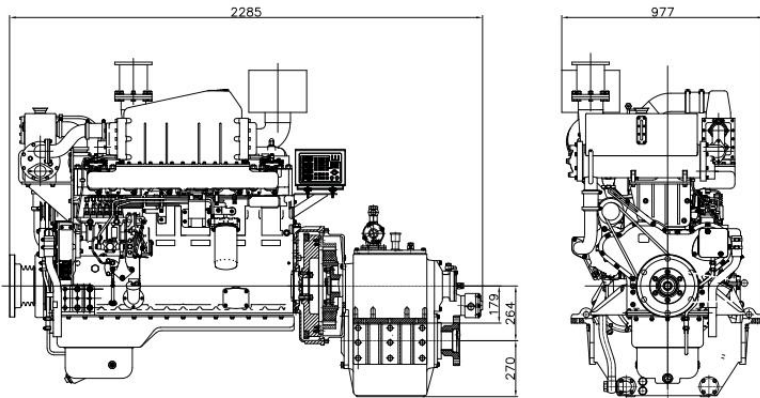
Model	Length mm	Width mm	Height mm	Weight kg
SC15G	1680	884	1550	1350

**Continuous duty:** Unrestricted load operations, load factor: 80-100%, typical running hours more than 5000 hrs/year

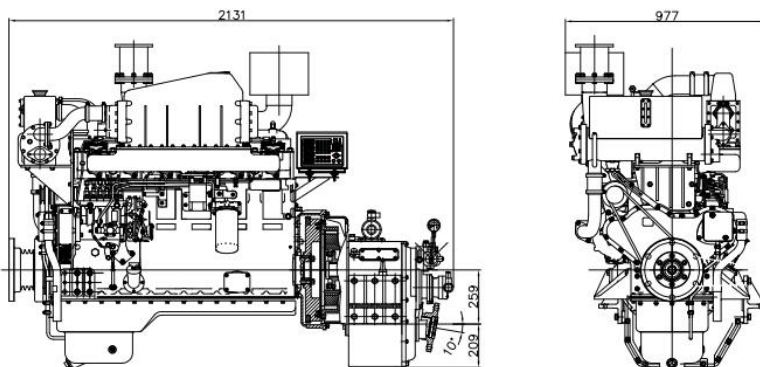
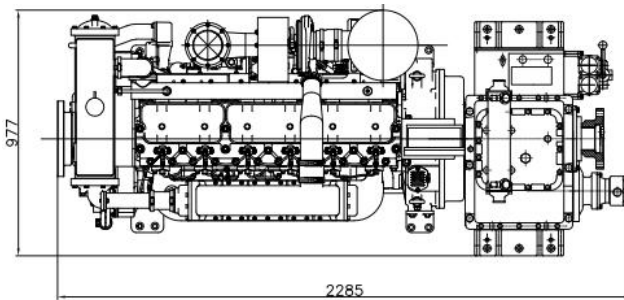
# SDEC SC15G



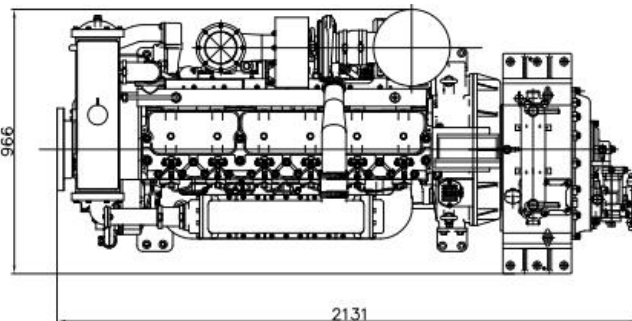
**创远动力**  
CHUANGYUAN POWER



Marine Gear Model	HC300
Gear Ratio	1.87, 2.04, 2.23, 2.54, 3.0, 3.53, 4.1, 4.47, 4.61
Marine Gear Dry Weight	680kg
Dry Weight with Gear	2030kg
Application	Cargo Ships, Heavy Duty vessels



Marine Gear Model	HCA300, 10° down angle
Gear Ratio	1.5, 1.96, 2.57, 2.95
Marine Gear Dry Weight	370kg
Dry Weight with Gear	1720kg
Application	Passenger ferry, Fast crafts



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