



### Standart Features

- Advanced digital electronic control providing safety stop switch
- Remote start/stop plug-in connection
- Electronic governing
- Safety shut-downs: overspeed, low oil pressure and high coolant temperature
- Water cooled exhaust mixing elbow
- Freshwater cooling system with heat exchanger, expansion tank
- Gear driven raw water pump
- Anti-vibration mounts - fail safe rubber type

### Engine Features

The Diesel Engine demonstrates a superior applicability for marine gensets. It has the best level of sound attenuation in its class, achieved by the optimal design of the fuel system and the thorough structural analysis of each component.

### Alternator Features

The alternator is designed to be suitable for typical generator marine applications. Standard winding protection for clean environments with relative humidity  $\leq 95\%$ , including indoor marine environments.

### Electrical Characteristics

	50 Hz	60 Hz
<b>Voltage (V)</b>	380	480
<b>KW</b>	430	560
<b>RPM</b>	1500	1800

## Engine Details: CUMMINS QSK19

Engine Type	4-stroke,diesel
Cylinder Configuration	In line 6
Bore x Stroke (mm)	159 x 159
Total Displacement (lt)	19
Aspiration	Turbocharged Aftercooled
Dry Weight (kg)	2478
Cooling System	water-cooled
Combustion System	indirect injection
Fuel Injection System	High pressure common rail
Flywheel and housing	SAE 1,0

## Alternator Details:

Insulation class	H
Winding pitch	2/3 (wdg 6)
Phase	3 ph.
Number of wires	12
Protection	IP23
Altitude	≤ 1000 m
Weight	1480 kg

Fuel Consumption	1500 rpm	1800 rpm
%100 load (l/hr)	133	158

## Control & Monitoring

- Comap Intelidrive dcu marine specialized for marine applications, provide control, monitoring and protection
- Direct communication with electronic control units
- Reductant architecture : main unit + backcup module
- Tier 4 final + stage 5 control and visualization
- Remote monitoring cia modbus, Tcp/ip , airgate
- Communication capabilities including RS232, RS485,modem vs
- Power supply range 8-36 V DC



## Generator Weights and Dimensions

Weight ( kg )	4500
Length ( mm )	3550
Width ( mm )	2000
Height ( mm )	2200