



### 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>	400	-
<b>KW</b>	30,7	-
<b>RPM</b>	3000	-

### Engine Details: Lombardini 2204mg

Engine Type	4-stroke,diesel
Cylinder Configuration	4 in-line
Bore x Stroke (mm)	75x77
Total Displacement ( cm3)	1600
Aspiration	natural
Dry Weight (kg)	217
Cooling System	water-cooled
Combustion System	indirect injection
Fuel Injection System	pump-line-nozzle
Electrical System (V/A)	12 / 65
Starting System (V/kW)	12 / 1.7
Rotation	counterclockwise
Flywheel and housing	semi: SAE 7.5" / SAE #5

### alternator data : ecp28 v12c

Insulation class	H
Winding pitch	2/3 (wdg 6)
Phase	3 ph.
Number of wires	12
Protection	IP23
Altitude	≤ 1000 m
Overspeed	2250 min-1
Air flow	4 m3/min, 50 Hz

Fuel Consumption	3000 rpm	3600 rpm
%100 load (g/kwh)	360	-

### Control & Monitoring

- Over/Under frequency
- Over/Under voltage
- Over/Under speed
- High temperature
- Oil pressure
- Running hours
- 10 events, warnings or shutdown alarms with running hours stamp
- 3 configurable analog inputs with wide list of predefined senders



### Generator Weights and Dimensions

	Without Sound Shield	With Sound Shield
Weight ( kg )	395	475
Length ( mm )	1210	1390
Width ( mm )	455	580
Height ( mm )	630	800