



### 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
Voltage (V)	380	480
KW	20	24
RPM	1500	1800

### Engine Details:Lombardini kdı2504

Engine Type	4-stroke,diesel
Cylinder Configuration	4 in-line
Bore x Stroke (mm)	88x102
Total Displacement ( cm3)	2482
Aspiration	natural
Dry Weight (kg)	275
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 (1204)	counterclockwise
Flywheel and housing	semi: SAE 7.5" / SAE #4

### Alternator Details: leroy somer 42vs2

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

Fuel Consumption	1500 rpm	1800 rpm
%100 load (g/kwh)	375	375

### 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 )	450	550
Length ( mm )	1220	1400
Width ( mm )	510	630
Height ( mm )	688	880