



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	25
RPM	1500	1800

Engine Details: PERKINS 422 TGM

Engine Type	4-stroke,diesel
Cylinder Configuration	4 in-line
Bore x Stroke (mm)	84 x 100
Total Displacement (lt)	2.2
Aspiration	natural
Dry Weight (kg)	266
Cooling System	water-cooled
Combustion System	indirect injection
Fuel Injection System	Fuel injection pump
Flywheel and housing	SAE 4 long

Alternator Details:

Insulation class	H
Winding pitch	2/3 (wdg 6)
Phase	3 ph.
Number of wires	12
Protection	IP23
Altitude	≤ 1000 m
Weight	122 kg

Fuel Consumption	1500 rpm	1800 rpm
%100 load (g/kwh)	1.6	1.9

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

	Without Sound Shield	With Sound Shield
Weight (kg)	388	505
Length (mm)	1150	1350
Width (mm)	550	750
Height (mm)	740	950