




**Patrol Boat**  
**"CONQUEROR 1"**

 <b>TETHYS</b> TETHYS PLANTGERIA LTD DIVING AND MARINE CONTRACTORS	Document Title:	<b>VESSEL SPECIFICATION CONQUEROR 1</b>	
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## 1.0 GENERAL DESCRIPTION

The patrol vessel "CONQUEROR LAGOS" is designed according to RINA/Lloyd rules for fast speed marine vehicles. The configuration and outfitting allow for continuous performance of day/night missions at a cruising speed of 25knots.

## 1.1 PRICIPAL PARTICULARS

Vessel Name	CONQUEROR LAGOS
Length overall	21.5m
Beam (Max)	5.0m
Depth moulded:	3.0m
Full load displacement	30.0ton

Classification: The RINA will issue the following classification

- RINA-PC/Lloyd
- Special service
- Crew transportation
- Offshore navigation
- According to the RINA fast patrol vessel rules, the vessel will have an operating profile "Medium duty"

## 2.0 MAIN PROPULSION SYSTEM

Main Engine /Make/Type: CAT C 18 ACCERT Rating 651 KW @2200 rpm rating "D"- intermittent duty (according to the caterpillar operating profile)

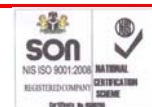
Gear box/inverters: Twin Disc MV 5135-RV gear box / inverters


Propellers: MM/EE axis will be parallel V brackets to support the propeller

Steering system: Two rudders placed to allow shaft dismantling, linked through the coupling rod and manual control in case of emergency.

Shaft line: AISI316 steel

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### 3.0 PERFORMANCE AND CAPABILITIES

#### 3.1 PERFORMANCE

Maximum speed: 30 knots

Cruising speed: 25 knots

#### 3.2 CAPACITIES

Diesel oil capacity: 2 x 3,500 liters

Fuel oil system: 2 x 3,500 liter structural tanks. The main engines suck directly from the tanks through double separator filter. (RACOR)

Fresh water system: 2 x 1,000 liter fresh water tanks. Complete with hydrophore, boiler and water maker.

Sea water system: 2 x sea chest (able to assure correct cooling water influx to functioning machinery; all linked to as supply manifold.)

Bilge system: Available; two main self-priming pumps with a suitable capacity.

Black and grey water system: 1 x collecting tank (of suitable capacity with exhaust pump installed for discharging)

### 4.0 ELECTRICAL. ELECTRONIC AND NAVIGATION SYSTEMS

#### 4.1 ELECTRICAL SYSTEMS

Alternator: 1 x KOHLER 17EFOZD Alternator, power – 17KW, Voltage-220V @ 220 Hz supplied with gas oil.

Transformer: Step-down transformer (stepping voltage down from 24V to 12V for 12V user.)

Windlass and capstan: 1 x suitable electric winch (complete with warping head and barbotin)

#### 4.2 NAVIGATION

Navigational Equipment: Navigation and safety installation are as required by classification society for the reference class.

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## 10.0 PICTURES

### 10.1 EXTERNAL VIEW





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## 10.2 ENGINE ROOM





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### 10.3 BRIDGE





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#### 10.4 ACCOMMODATION



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### 10.5 GALLEY AND LAVATORY

