

ATYLA

Two-mast Topsail Schooner

- Flag: Republic of Vanuatu
- Home Port: Bilbao Maritime Museum (Basque Country, Spain)
- Operator: ATYLA International Training Ship Foundation
- Launched: May 15th, 1984
- Build sites:
- Vinuesa, Soria (Spain): Construction of most of the wooden parts.
 - Lekeitio, Vizcaya (Spain): Construction of some parts and final assembly.
 - Bilbao, Vizcaya (Spain): Installation of the engine and electronic equipment.

General features

Length Overall (LOA):	31 metres
Length on deck:	25 metres
Beam:	7 metres
Front Draft:	2 metres
Stern Draft:	3 metres
Air draft:	25 metres above water level
Displacement	100.88 Gross Tons
Fresh water capacity:	1500 litres + Fresh water maker producing 24 litres per hour
Diesel capacity:	6400 litres
Sewage capacity:	2000 litres

Construction

Oak frames
Iroko beams
Elondo deck
Makore & Iroko outer skin
Scots Pine inner skin
Sapele & Iroko interior furnishings
Iroko keel
Douglas Fir, Iroko & Scots Pine rigging

Mainmast: Main-mast lower & Main topmast both from Iroko
Foremast: Fore-mast lower & Fore topmast both from Iroko
Not wooden: Standing rigging and fittings from Stainless steel

Interiors and cabins

Saloon with 60" TV,, TDT and electric day head

Large galley with 6 burners, an oven, a microwave, a refrigerator, a chest freezer and a sink with 3 water taps (sea water for cleaning, fresh water for rinsing, and filtered water for drinking)

Guest/crew accommodation for up to 24 guest in 4 cabins. 5 toilets and 3 showers with hot running water

500V outdoors speaker that can be placed anywhere on the ship

Individual LED lights in every bunk. External LED lighting for the rigging and the deck

Sails

Flying jib

Outer jib + Inner jib

Staysail + Forestaysail

Top square sail (black)

Course square sail (black)

Fore gaff sail

Main gaff sail

Top gaff sail

Total sail area: 410 m²

Classic manual manoeuvring (one anchor winch is also available if needed)

Machinery

Main engine

Model DOOSAN L136TI (230 hp)

Gearbox 3 to 1

4-blade propeller (1 metre diameter) + Spare propeller

Autonomy of 360 hours at 75% power

Maximum speed using only the engine: 7 knots at 75% power, 9 knots at 100%

Generator VETUS 1500 rpm 15 Kw

Generates 380v and 220v

150kg Hall anchor with 100 meters of chain Anchor winch with electric engine

2 spare anchors

2 Bailing three-phase pumps
1 Fire three-phase pump
1 Independent auxiliary fire pump with Diesel engine stowed on deck

Batteries:

1 bank of one 24v engine charge by engine alternator
1 bank of two 24v service with charger
1 bank of one 12v generator charge by engine alternator

1 bank of two 12v service with charger
1 bank of one 12v GMDSS with charger
all banks are possible to connect each other to charge batteries with different resources

Safety measures

2 life rafts for 25 persons each for ocean navigation
Rockets and flares equipment SOLAS Cat 1 & 2
1 life raft for 30 persons for coast navigation
Rescue boat with 20 hp Yamaha engine
Life jackets for 90 passengers
Life buoy with lanyard and lights in accordance with international regulations
26 survival suits
1 line-throwers
Radio beacon
Radar Responder
First aid kit category A
GMDSS Walkie-talkies

Complete equipment for firefighting
Extinguishers
Automatic circuit innocuous gas fire extinction system
Breathing apparatus
Personal protective equipment

Steering and navigation systems

Interior / bridge:

Navtex Furuno

Plotter and radar Furuno
VHF Samyung STR 6000A
VHF ICOM IC-M400BB on bridge and steering wheel
MF-HF JRC model JSB 196GM and DSC model NCT-196N DSC/NDBP MODEM
2 portable VHF waterproof GMDSS approved Icom
Inmastrat MINI C SAILOR 6006
AIS digital yacht connected to the computer with open CPN charts
EPIRB
SART Mcmurdo s4 rescue sart Jotron
Engine instruments

Sounding line
Anemometer
Radio beacon
Radar Responder
Compass
Large electrical panel 380v, 220v, 24v and 12v

Exterior / government quarterdeck:

Mechanical Rudder System
Rudder stock with access to deck rudder arm
Morse Control
Engine instruments

Sounding line
VHF
Binnacle

Electrical connections (Input) Main connection:

- Current: 32 A
 - Voltage: 400 V AC (~)
 - Frequency: 50 - 55 Hz
 - Connection: 5 POL - 6H; 32A (3F, N, GND) male
 - Cable: 5x4 EURO CYKY
-
- Alternative connection:
 - Current: 16A
 - Voltage: 230V AC (~)
 - Frequency: 50 - 55 Hz
 - Connection: 3 POL - RS 023K male