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=ATHENA BARGE=

- Specification

1) Yacht design to CE for BC

– Building specification:

Dimensions:

- Length: 11,98m
- Width: 3,93m
- Draft: 0,65m
- Air draft: 2,88m
- Displacement: 10,6t Inland / 10t seagoing
- Tanks:

- Fuel tank: 900 l
- Fresh water tanks: 2x500 l
- Grey water tank: 400 l
- Black water tank 400 l

2) Hull made of steel. Material thickness 6-5-4mm oblique on place. Keel 70x40mm

- Engine: 150 hp, 6 cylinder, capacity 6,7 Litre, Type: N67 – 150 IVECO Diesel
- Complete propeller shaft
- Two four blade propellers

3) Steel hull made of blasted sheets. Hull blasted and coated with epoxy paint system. Below waterline extra two layers of antifouling in brick red. For anticorrosive protection used anodes.

- Hull above waterline:
- 3-4 layers epoxy base
- 2-3 layers epoxy primer
- 2-3 layers epoxy topcoat (colour for choice)

- Waterline strip in superstructure colour
- Engine room coated in extra fire protection paint

4) Superstructure

- Superstructure with installed windows of anodised aluminium
- On the roof installed skylights for better illumination and ventilation for residential quarters
- On the aft deck installed emergency hatch

5) Deck fitting

- The deck is fitted with chocks, cleates on the sides fairleads
- On the foredeck windlass with anchor base and bow protection
- Whole deck is fitted with guardrails made of polished 316 stainless steel (seawater resistant) guardrails adjusted for sea-going conditions.
- (Optional) teak wood facing
- On the roof folding navigation lights mast.

6) Interior – thermal, acoustic and anti-vibration isolation

- Living compartment, wheelhouse, bathrooms are isolated by polyurethane foam of minimal thickness 35mm and fire class B2.
- Engine room isolated by flameproof plates with high class acoustic isolation.
- All floors are suspended on acoustic foam strips.
- Anti-vibration plates above propeller

7) Electrical system

Electrical system is powered by 7kW inboard generator and engine alternator.

- Total battery capacity 1600 Amp for 24V
- 24V/5000W converter
- 75 Amp battery charger
- Distribution box
- Entire electrical system using diagrams and the wiring numbered cabling

8) Electronics and measure systems

- Engine control panel
- Digital meters for fuel tank
- Digital meters for watertank
- Digital meters for grey and black watertanks
- Whole navigation instruments by „Raymarine”
- 4kW radar with 15' display and keyboard
- C-map with 15' display and keyboard
- Windmeter
- Compass
- Depth meter

- Autopilot operating panel
- VHF
- Epirb
- Navtex

- Flybridge steering position:
- Windmeter
- Compass
- Depth meter
- autopilot operating panel
- VHF connector
- Engine control panel

9) Vessel steering

There are two steering points on the vessel. Onboard in wheelhouse and Outboard on flybridge. Both are fitted with engine control panels and other control systems. Hydraulic steering system for both steering points. To improve manoeuvrability installed bow-thruster.

10) Draining system

For comfort and safety use boat is fitted with automatic draining system. System is electrical and emergency manual powered. System is controlled by few electronic sensors in bilge. In case of bilge water detection system automatically runs pumps and acoustic alarm.

11) Water system

Fresh water system and warm water system is connected with kitchen, all toilets and showers. Grey water is stored in stainless steel tanks for removal.

EQUIPMENT SUPPLIERS :

Main engine: IVECO

Steering system: Kobelt, Vetus

Electrical system: Mastervolt

Navigation instruments: Raymarine

RTV: Bose, B&O

Air-conditioning, heating: Webasto

Pumps: Jabsco

AGD: Electrolux

Windows: Krupa Yacht

Hatches: Gebo

Anti-corrosion: Awlgrip

Antifouling: International

Piping: System Hepworth

Batteries: Varta

Winch: Maxwell