



## Pilot Boat 16m

This **16m Pilot Boat** is a vessel intended for sheltered navigation area. This fast motor boat is designed as armed and equipped for pilots transportation security in the harbour and road areas, for ships assists and for maritime police missions. The ship arrangement and equipment arrangement will ensure comfortable access while maintenance and overhauls.

The hull shape is designed as deep V-type. The hull of the pilot boat will be made of steel type A. The superstructure above main deck and the mast will be made of marine grade aluminium alloys. Main deck will have a 100 mm camber and a sheer of 150 mm. The wheelhouse is equipped with control desk, 5 seats for passengers and one pilot's seat. The space below the main deck is divided in longitudinal direction into 5 areas: fore peak, pumps room/store/chain locker, accommodation room, machinery room, steering gear room. Accommodation room below the main deck is a comfortable closed space with folding table, cupboard and lounge.

### Rules and regulations

The pilot boat design complies with all following rules and regulations: BV Rules, SOLAS International Convention, International Regulations for Preventing Collisions at Sea, MARPOL convention, International Convention on Standards of Training, Certification and Watch-keeping for Seafarers, regulation SMDSM/GMDSS.

### Propulsion

Main engines 2 x MAN D2842 LE405, each 662 kW at 2100  
Propellers: 2 x fixed pitch propellers, Ø700 mm, 460 rpm

### Tanks capacity

GO tanks volume: 6 m<sup>3</sup>, fresh water tanks volume: 0,1 m<sup>3</sup>, lubricating oil tanks volume: 0,1 m<sup>3</sup>, hydraulic oil tanks volume 0,2 m<sup>3</sup>





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## Principal dimensions

Length o.a.: approx. 16,08 m  
 Length b.p.p.: 15,36 m  
 Breadth: 4,70 m  
 Depth to the deck line: 2,25 m  
 Moulded draught: 0,85 m  
 Engine power: 2 x 662 kW at 2100 rpm  
 Propulsion: 2 fixed pitch propellers  
 Speed: 21 kn  
 Crew: 6 persons

## Anchoring equipment

The vessel will be equipped with undermentioned anchoring equipment: one manual anchor winch based in the fore part of main deck, one chain stopper, 1 anchor HPT abt. 43 kg, 1 chain Ø 10 Q2, 15m long, 1 chain slipping arrangement, 1 chain locker, 1 anchor pocket in the center line.

## Mooring equipment

Mooring equipment is formed by: 2 steel double bitts Ø 80 mm in fore deck, 2 steel double bitts Ø 80 mm in aft deck, 2 aluminium hawse holes on fore deck, 2 aluminium cable chocks on aft deck.

## Mast and navigation lights

At the top of the wheelhouse there will be aluminium navigation mast with navigation lights, radar antenna, various aerial sensors and flag. At the roof of the superstructure also will be situated radars, projectors and foghorn. Following navigation lights are provided: 2 side lights (red and green), 1 aft mast light (white), 1 mast light (white) on the mast, 1 mooring light (white) on the mast, 2 pilot lights (white and red) on the mast, 1 projector (24V 250W) directed fore, 1 projector (24V 250W) directed aft.

## Electric system

The vessel will be equipped with: one power grid 220V, 50 Hz monophasic, two rechargeable battery sets 24V (one for main engines starting and one for all other receivers).

## Navigation and communication equipment

The pilot boat will be equipped with: one radar, GPS navigation with 50 channels, echo sounder, loud speaker placed on the mats with microphone in the wheelhouse, VHF transmitter/receiver with all international frequencies, 3 x VHF mobiles with marine frequency with battery charger, intercom.

