

FAST RESPONSE AMBULANCE VESSEL

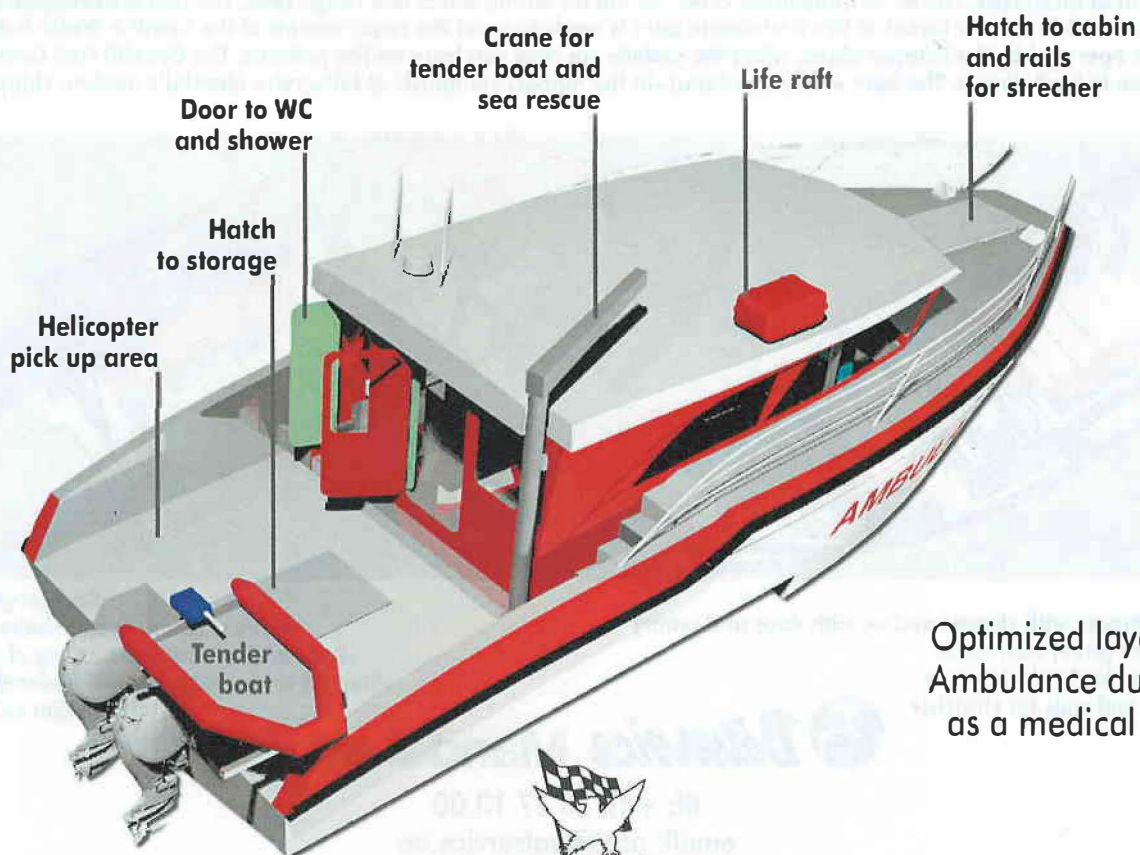
15m monohull



High Speed Ambulance Vessel

MAIN CHARACTERISTICS

- » **Performance** - 25% faster - porpoising free - no planing step
- » **Superior seakeeping** - High speed in rough seas - Extremely safe downwind - Sharp U-turns at very high speed
- » **Comfort** - Prevents seasickness - Minimal rolling at stop - Soft ride
- » **Environment** - Saves 50% fuel - No wake - Less beach erosion



Optimized layout for
Ambulance duty and
as a medical centre



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FAST RESPONSE AMBULANCE VESSEL

15 m FPV Hull Type



The 15 m High Speed Ambulance Vessel

MAIN CHARACTERISTICS

- » Marine Grade Aluminium construction with 3 water-tight compartments
- » Year-round operations in harsh conditions
- » Twin Volvo Penta D13 800 hp with IPS 1050 drives
- » Hull designed for high speed in rough seas and optimized for efficient speed and fuel consumption
- » Hull / IPS solution allows slow/medium speed close-quarter class leading maneuvering performance
- » Optimized layout for multiple operations (SAR / Fi-Fi)
- » Excellent 360 degree view from bridge
- » Maximum comfort / low accelerations for crew, patients and passengers



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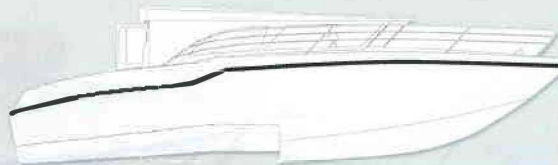
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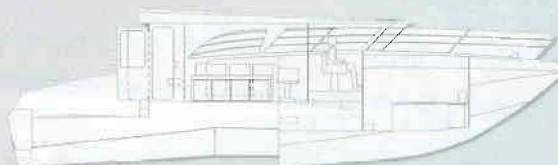
SPECIFICATION

Type of boat:	Fast Response Ambulance Vessel
Design:	Båtservice Mandal/Sten Orneblad/Dynalift Hull
Crew:	1 Skipper + Medical Crew
Building material:	Aluminium
Length overall:	15,0 m
Beam:	5,9 m
Draft:	0,85 (outboards down)
Speed:	49 knots at 14.000kg 3 x 350 hp (1050hp) 59 knots at 12.000kg 3 x 350 hp (1050hp) 65 knots at 12.000kg 3 x 557 hp (1114hp)
Range:	5 hrs, 280 Nm (518) at 56 knots
Fuel tank:	2 x 1000 liter (Gasoline)
Main engine:	Outboards
Propulsion system:	Propellers

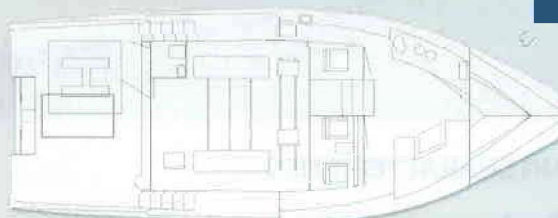
PROFILE VIEW



SECTION IN CL

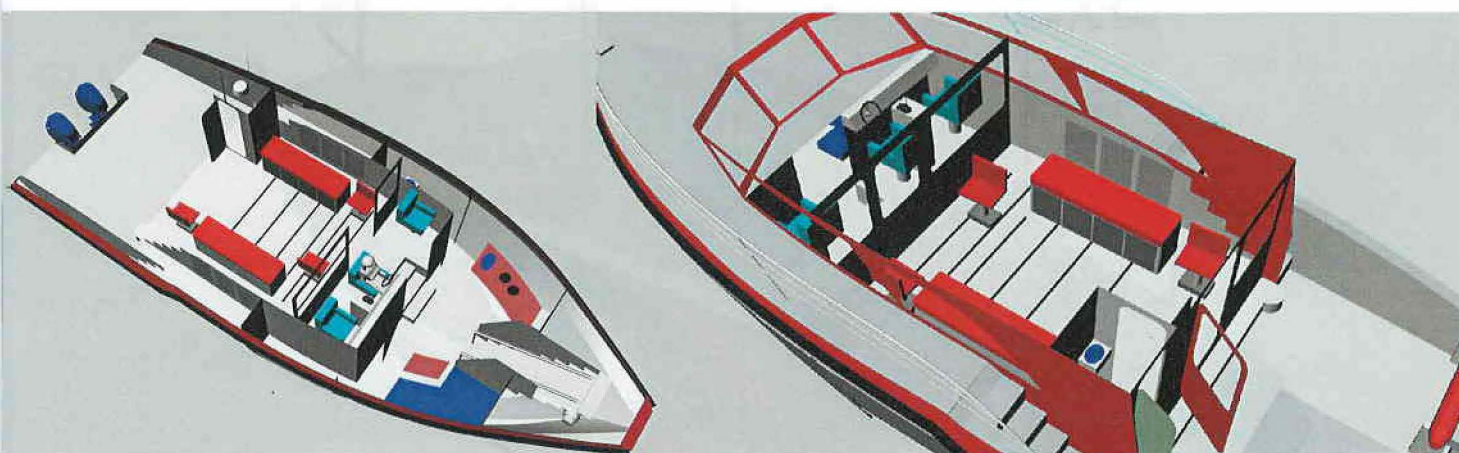


MAIN DECK



SUMMARY

The M-50 Ambulance boat is based on the Dynalift Hull Concept which is a stepped-hull based on the hydroplane principle. This Ambulance vessel is around 25% faster compared to a conventional boat, the hull concept also saves 50% fuel which gives double range of performance. This vessel is completely porpoising-free at all speeds and has no planing step. In other words it is possible to drive the boat in at all speeds. The M-50 Ambulance is well suited for strong winds and rough seas. The hull is developed for the Swedish Sea Rescue Society. The layout of this Ambulance boat is made to meet the requirements of the Swedish Water Ambulance Service. Can be operated by the Skipper alone, while the ambulance crew can focus on the patients. The Dynalift Hull Concept is the latest innovation in boat design. The boat will be produced -in the highest standards at Båtservice Mandal's modern shipyard.



Staff space

- Portbord, Bathroom with shower and wc with door and pantry
- Starbord, couch (blue) with table.
- Watertight door to the deck house
- Centre, stairs and rails for stretcher

Cockpit and Clinic

- Medical cabinets and chairs on rails
- Beds and/or stretchers on top of cabinets
- Storage under cabinets and under side deck
- Curtains to dim out cockpit

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