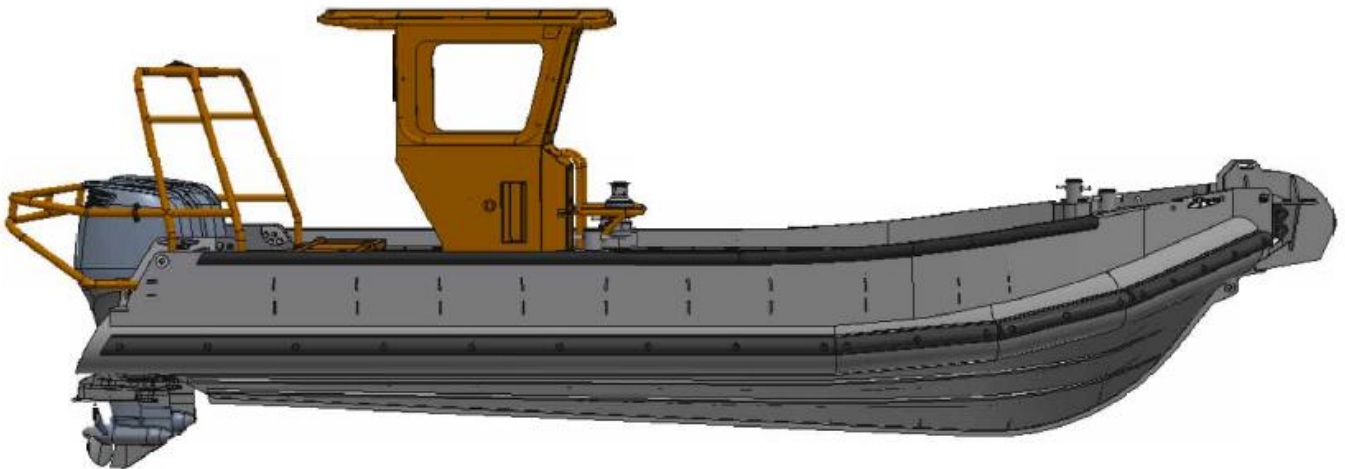


This document is the Technical Specification 750 MAKO HDPE Work Boat that has been custom built by MAKO to client's specifications.

Mako craft are engineered and built using the best fabrics and materials available worldwide, resulting in a heavy duty robust product which have been proven at high speed tactical operations in high sea states during military and rescue scenarios.





Data Sheet No:

017863032

Product Type:

HDPE Work Boat

Product Designation:

750 MAKO HDPE®

BOAT STRUCTURE

- Complete MAKO 750 HDPE Work Boat, 7.5 m boat.
- D-fenders all along the boat.
- Complete wheelhouse, astern.
- Compass.
- 4 Bollards: 2 at the bow and 2 mid-ship.
- Various cleats and lashing pad-eyes.
- Part webbing sling arrangement to lift the boat.
- Aluminium stern arch. Powder coated.
- Aluminium outboard engine guard frame. Powder coated.
- Hydraulic steering.
- Steering wheel.
- Fuel lines.
- Water trap fuel filters.
- Removable bow chute.
- Bow Capstan windlass with 1500KG pull capacity, foot switch.

ELECTRICAL EQUIPMENT

- Navigation Lights – PRT, STB.
- Astern white light mounted on stern arch.
 - Spot lights forward and astern.
 - Orange flashing light.
 - x starter batteries with battery switch.
 - Fuel level indicator.
 - 2x 12V electrical supply points.

COMMUNICATION AND NAVIGATION EQUIPMENT

- Mounted marine Garmin VHF 200i radio.
- Garmin GPS Map 721xs.
- Garmin Transom mounted transducer.
- Garmin 18 xHD Radar dome.

PROPULSION

- Two Yamaha F200FETX
 - 200 HP - 4 stroke outboard engines.
 - Stainless Steel props.
 - Associated top mounted controls and gauges.

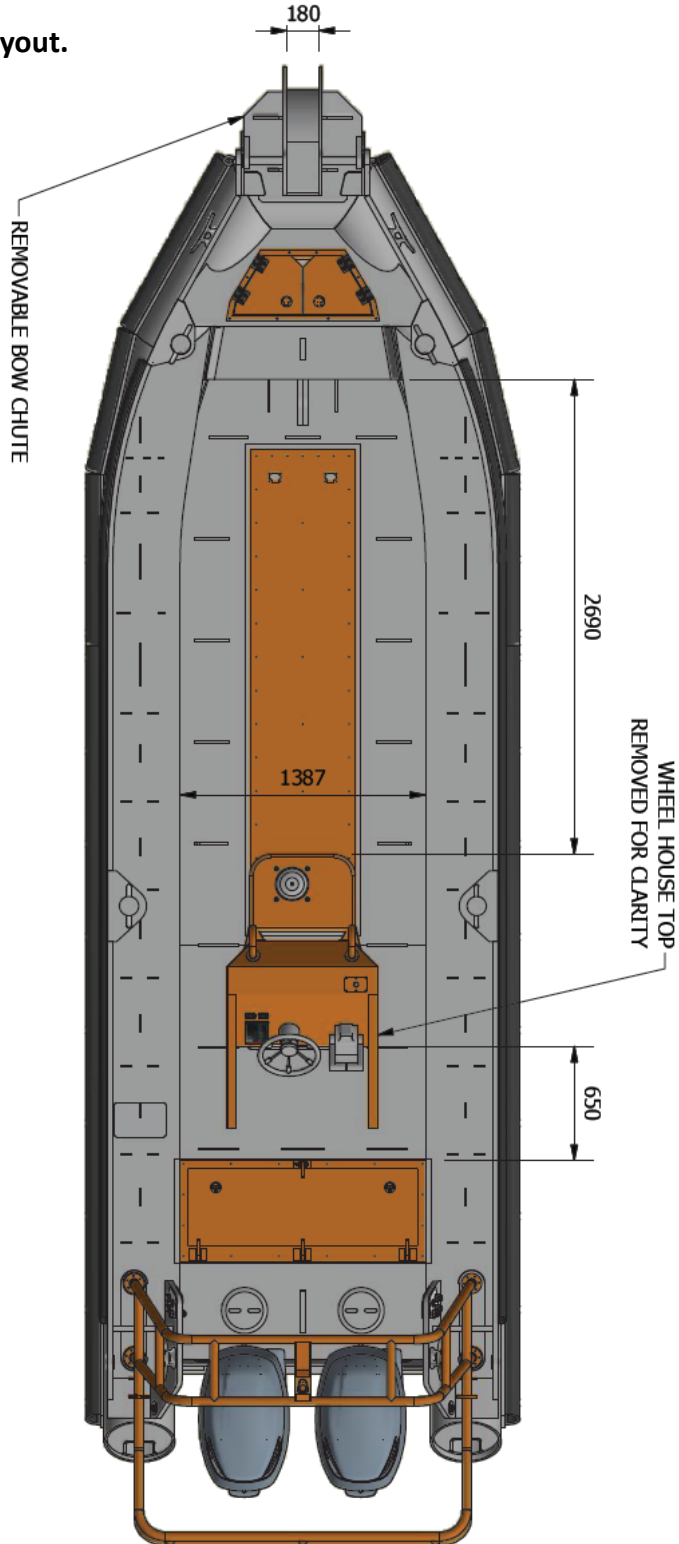
SAFETY FEATURES

- Panel or grid to lock the wheel house.
- Lockable fuel trap.
- Fuel shut-off valve in lockable hatch.





APPENDIX 1: Deck layout.



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WHY HDPE?

Polyethylene (PE) is inert (i.e. the molecular structure is full) and therefore will not rust or corrode and does not suffer from electrolysis.

As polymers are long chain molecules they give plastics a memory resulting in high impact resistance unlike metals or glass, which have crystalline type structures that dent or fracture. PE has a low friction co-efficient (0.02) which results in less drag, making for better performance. PE is relatively light with an S.G. of 0.92, approx 1/3 the weight of aluminium (S.G. 2.7)

ADVANTAGES

- Resistant to chemicals.
- No corrosion.
- No aging process.
- Much higher lifecycle.
- Easy to clean. Water and dirt repellent.
- High UV Resistance.
- Excellent impact resistance because it is ductile.
- Can be easily repaired by relatively unskilled staff.
- Do not require painting or any care.

COMPARISON WITH GRP & ALUMINIUM

APPLICATION	Aluminium Boats	HDPE MAKO Boats	Fibreglass RIB
IMPACT RESISTANCE	Good	Excellent	Poor
REPAIR ABILITY	Good	Excellent	Good
MASS	Excellent	Poor	Good
GENERAL ABUSE RESISTANCE	Poor	Excellent	Poor
UV RESISTANCE	Excellent	Excellent	Poor
MAINTENANCE	High	Low	High
SANDY BEACH LANDING	Good	Good	Good
ROCKY BEACH LANDING	Poor	Excellent	Poor
PUNCTURE RESISTANCE	Poor	Excellent	Poor