

CRAFT SPECIFICATION

TPM 850 –INTERCEPT RIB

Design Overview

Heavy duty high speed commercial 7.8m Rigid Inflatable Boat with composite hull, Hypalon inflatable collar and stainless steel 316 topside fabrications. Craft features an aft helm position for 1 crew and seating capacity for maximum 14 persons, large forward “working” deck, four point lifting sling and twin outboard engine installation.

Principle Data

Length overall:	8.50 m
Beam overall:	3.00 m
Collar diameter:	0.54 m
Engine:	Yamaha 200
Type:	4-stroke
Power:	2x 200HP
Fuel type:	Gasoline
Fuel capacity:	350 ltr.
Weight (lightships):	2200 kg
Weight (100% fuel):	2455 kg
Speed (100% fuel & 2 pers.):	>45 knots
Duration @ W.O.T:	3.0 hrs
Endurance @ cruise:	6.0 hrs
Range @ W.O.T:	120 nm

Hull & Deck

The hull and deck are moulded as unitary mouldings manufactured from a comprehensive reinforced laminated composite structure of chopped strand mat and stitched unidirectional mat impregnated throughout with polyester and skin-coat with vinylester resin. Application is by hand strictly in accordance with design weights. Internally the hull is reinforced with a complex system of longitudinal and transverse SAN core cell (no plywood!) reinforced GRP keels and bulkheads with intermediate deck beams to support and tie together the hull and deck. The result is an immensely strong structure with excellent weight properties. Each of the hull voids created by the internal hull structure is limbered to a single bilge area at the transom on the centreline. The hull, deck and internal structure are suitably

reinforced in way of Samson posts, through deck fittings and lift points.

Inflatable Collar

Hypalon 1500 gsm (1670 dtex) military grade inflatable collar with five (5) separate independent air chambers each fitted with inflation and pressure relief valves. The hull/collar interface is bonded, taped internally and externally and additionally reinforced in high wear areas. Further protection is afforded by multiple rubbing strakes along the sides and around the bow area. Non-slip boarding patches are positioned along the upper surface of the collar. Internal lifelines are fitted. External lifelines (anti-snag taut type) are fitted to aid personnel recovery from the water.

Bow Samson Post – fuel intake point.

As standard the craft is fitted with a heavy duty Samson post mounted on the bow painter post for general mooring duties. Intergrated in the Samson post is the fuel intake point accessible from the top.

Bow Locker

Oversized bow locker utilising the front hull compartment. Features a large aluminium watertight access hatch.

Tie Down Points

Integrated into the forward working deck area and of flush design. Suitable for the securing of general cargo.

Command Console

Composite fabrication bolted to the deck and fully removable for servicing. Fuel tank access for servicing via console opening. Console includes dedicated vented battery stowage, electrics locker and small item stowage. Console features 2 stainless steel handrail extending to SB and PS.

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Crew Seating

One (1) pilot seat/backrest behind command console and 2 seats in front of command console.

Crew Foot Straps (optional)

Optional crew positions feature foot straps for added security in rough conditions.

Additional seating

2x 3 Jockey seats

Lifting Eyes & Lifting Sling

Craft is equipped with four (4) lifting eyes and supplied with a corresponding four (4) legged certified lifting sling and shackles.

Fuel

A single, heavy duty, fully removable, baffled, stainless steel fuel tank of 300 litre capacity with corresponding deck access plate and additional routine service access inspection hatch.

Bilge Pumps

Electric under deck bilge pump with minimum 70 litre/hour discharge rate with manually operated backup pump. Visual alarm on console to alert crew of water in bilge.

Navigation A-Frame

Stainless steel 316 fabricated tubular navigation A-frame featuring mounting positions for navigation equipment and communication aerials. Frame is designed so as to avoid interference with other vessels when alongside.

(Optional) Self Righting Navigation A-Frame

As an option the craft can be supplied with a double type navigation A-frame onto which is fitted a manually operated self righting bag system and gas bottle.

Throttle Controls

Engine throttle and gear via Suzuki standard package system.

Steering

Hydraulic system consisting of steering wheel, helm pump, steering cylinders, intermediate hoses and tie bars. All steering system fittings are of stainless steel material.

Engine Instrumentation

Standard manufacturer's instruments mounted. Standard engine manufacturer's audible and visual alarms are fitted to alert the crew of engine running and battery charging irregularities.

Electrics

Fully waterproof (IP65) electrical system; 12V DC fully insulated two wire system fitted with single pole thermal breakers. Engine is fully insulated 12V DC with a 14V DC alternator. All wiring is in accordance with the guidelines laid down by CE regulations.

Batteries

Two (2) 12 volt 100Ah OPTIMA maintenance free sealed batteries. System is fitted with an isolator and emergency link in case of individual battery failure.

Battery Charging

The craft is fitted with an integrated LADAC battery charger that operates from an shore based 240V power supply when the craft is moored. When launched the batteries are charged from the engine alternator.

Control Panel

TPM fully waterproof (IP67) switch panel featuring toggle switches and a visual warning alarm fore electric bilge operation.

Navigation lights

All-round white, port and starboard in accordance with rule 210 of COLREG.

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Searchlight

A hand held waterproof searchlight is supplied with dedicated stowage in the ‘small item locker’ on the console, “roaming lead” and 12V power plug. A corresponding 12V power socket is situated on the console along with an additional “spike” mount.

Navigation Equipment

The following navigation equipment is fitted as standard (alternatives available if required):

VHF: ICOM 505 IP

GPS Chart Plotter: Raymarine C80

Echo Sounder: C80

Compass: Plastimo Offshore 105

Radar Reflector: Echomax Midi

Deck Drains

The deck features deck freeing drains of oversized dimensions for rapid removal of any water shipped on deck. Craft is of ‘free-draining’ design when at rest and underway.

Stern towing bollard

Craft is fitted with a stainless steel top transom mounted U-plate including two (2) towing / mooring bollards located at PS and SB.

Mooring & Towing Eyes

The hull is fitted with one bow eye and two transom eyes which are suitable for towing and mooring duties.

Stowage

Stowage for crew personal items is provided in a console locker. Anchor stowage is provided in the dedicated bow locker.

Fire Extinguisher; General Use

One (1) 2 kg ABC dry powder portable fire extinguisher is supplied with secure stowage for general use.

Additional Boat Equipment/Specification

The following additional safety equipment is supplied with secure stowage onboard;

2 x Paddles

1 x Telescopic Boat Hook

Stainless steel bow protection plate

Anchor; chain & warp

Sign writing; “ TO BE DISCUSSED”

Safety Equipment

2 x Thermal Protective Aids

1 x Fire Blanket

1 x Sea Anchor

1 x Torch

1 x First Aid Kit

1 x Towing Line

Tallies

All main items of equipment and systems will be identified with tallies in English (unless specified otherwise), engraved in plastic and affixed in relevant positions on the craft.

Finishes

Stainless steel fabrications are powder coated where applicable. Composite structures are self coloured with pigmented gel coat.

Colour

To be confirmed with client prior to order.

Trailer

Professional twin-axel trailer with galvanised super frame, waterproof wheel bearings, high speed launching system, manual winch.

Manuals

Craft is supplied with two (2) hard copies and one (1) electronic copy (on CD-Rom) of an Operation and Maintenance Manual including Craft Schematics and an Electrical Wiring Diagram