



PV2- class

Main dimensions

- Length approx. 8 m
- Width approx. 3 m
- Undershoot max. 3,0 m

Configuration

- Hard-sided, RIB or FRB
- Single-hull boat
- Aluminium, reinforced plastic or composite material structure
- Reinforced bow and keel for beaching

Propulsion

- 2 outboard motors (150–300 hp), or 1 waterjet + approx. 500 hp diesel engine

Capacity

- Max. speed > 40 kn (outboard motors)
- Max. speed > 35 kn (diesel-waterjet)

Crew and cargo

- Crew min. 1+1
- Max. number of persons - 6
- Max. deck load 450 kg (incl. persons)
- Cargo space 6 m² (target, no requirement)

Standards

- Yacht directive, design - class C
- CE - plate
- Guidelines for Commercial Craft version 2016.2 – class C

Operating regions

- Inland waters
- Offshore (archipelago)

Operational range

- 160 sea mile, 6 h

Readiness

- MOB, unconscious MOB, overboard lifting or from bow visor (if assembled)
- Yacht towing and relief assignments as well as emergency towing of larger boats
- Fire extinguishing and restriction by means of first-aid extinguishing equipment as well as by mobile fire pump and one hose line
- Archipelago search operations, observation places (positions), search operation planning by the computer
- First aid
- Patient deck transportation (stretchered)
- Crew and cargo transportation assignments sheltered from bad weather conditions
- Anchorage and towing of coastal boom during oil combatting operations
- Control of the situation by means of ship's equipment

Space arrangements

- Mid-cabin, so-called round walking
- Covered wheelhouse with 2 spring seats for crew and 2 folding benches or couch for passengers
- Bow visor (option)





Equipment arrangements

- Storage space and stowage for all on board equipment
- Fixing rail system on deck, FLI - specified
- Bins for fixing rail system and other solutions for onshore equipment

Surface treatment and marking

- Painting and decal - according to the separate specification
- 2 registration number plates
- 1 craft number plate *)
- 2 nameplates
- 2 ancorlogos *)
- 2 MERIPELASTUS (SEA RESCUE) - texts
- 2 unit symbol labels *)
- 1 SAR- text on the roof or afterdeck

Ship's deck fittings

- 1 main anchor with fittings
- 1 auxiliary anchor with fittings
- 8 bollards and 6 mooring ropes
- 1 towing bollard, towing rope 100 m
- 1 towing hawse
- 2 rock wedges *)
- Lugs
- 4 fenders

Railing and ladder

- Railing, detachable if needed
- Enough handles on deck and wheelhouse
- Swimming-/diver's ladder, unfoldable in water
- Fixing points for safety harnesses

Machinery and pipe systems

- PA -emergency stop valves
- Fire valves (not outboard motor)
- Machine emergency stop system
- Tachometer indicator, oil pressure gauge and engine cooling thermometers and necessary warning lights/ sound signals (with regards to outboard motors - motor's standard indicators)
- Operating hour meter
- Marine switch gear's oil pressure gauge (not outboard motor)
- Exhaust pipe water circulation alarm (not outboard motor)
- Motor's water circulation heaters (not outboard motors)
- Fuel piping's water traps

Bilge systems

- WT- section's electric and manual pumping systems
- Electric and manual pumping system in separate engine space
- Deck with self draining system

Electric systems

- 2 x 12 (or 24) VDC battery
- Shore connection system
- Electronic isolation transformer for shorepower (only aluminium hull)
- Auxiliary supply of electricity by start booster
- Navigation lights
- Towing lights
- 4 deck- /floodlights LED
- 2 bow lights LED
- 1 Rechargeable hand torch with emergency lighting function LED
- 2 searchlights
- All-round blue light blinkers (LED)

*) Device or equipment is FLI's separate purchase. The supplier installs, connects, puts into operation and/ or arranges sea fastening.

**) Not boat's equipment (location-specified equipment). There are space and sea fastening for the equipment in the boat.

***) Location-specified optional equipment according to the operative state of readiness. There are space and sea fastening for the equipment in the boat.



- Fog horn (operated by electric compressor)
- Windscreen wipers with fresh water rinse

Alarm systems

- Fire, burglar and bilge alarm systems
- Alarm forwarding system

Other systems

- Airing and ventilation systems
- Water circulation heating system (not outboard motor) in the wheelhouse
- Diesel air heater in the wheelhouse
- Wheelhouse heating by shore connection
- Engine space automatic extinguishing system (not outboard motor)
- Fridge (or electrically operated cool bag)

Navigational equipment

- 1 magnetic compass with light
- Integrated navigational equipment including:
 - 1 chart plotter (incl. speed and distance indicator) *)
 - 1 satellite compass *)
 - 1 GPS-meteorological station *)
 - 1 echo sounder *)
 - 1 AIS (B-class) *)
 - 1 navigation computer *)

Communication systems

- 1 VHF-DSC-phone *)
- 2 portable VHF-phones with battery rack *)
- 1 portable GSM-phone with camera *)
- 1 VIRVE -network - phone in vehicle rack and with GPS-TETRA - hybrid antenna *)
- 1 loudspeaker *)
- 1 broadcast receiver
- Intercom -system for 3 crew members *)

Survival equipment

- 1 life raft for 6 persons (equipped for the offshore boats, in other types - only seat reservation) *)
- 1 dry powder extinguisher 6 kg + 1 dry powder extinguisher 12 kg
- 1 fire blanket
- 4 life vests for crew members **)
- 4 rescue suits **)
- 3 distress flares, 3 emergency torches, 1 orange smoke
- 2 safety belts *)
- 1 wooden peg/wedge *)
- 1 bucket

Rescue equipment

- 6 life vests for passengers 50 N *)
- Fire-extinguishing equipment in its own bin, which is attached to the deck by rail fastening system:
 - 1 motor-operated fire and drainage pump **)
 - 3 hose lines 2" 20 m **)
 - 1 exhaust pipe **)
- 1 fire and drainage pump inlet hose with fittings **)
- Rescuer's equipment including:
 - 1 mask *)
 - 1 snorkel *)
 - 1 rescuer's belt *)
 - 1 pair of flippers *)
 - 1 helmet *)

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- 1 lifebuoy with light
- 1 lifebuoy with heaving line
- Grubbing equipment including:
 - 1 chisel hammer *)
 - 1 axe *)
 - 1 cable cutter *)
 - 1 carpenter's handsaw *)
 - 2 coils of duct tape *)
- 1 gunwale *)

Patient transportation and medications

- 1 fortified stretcher **)
- 1 first aid kit with accessories *)
- 1 primary response kit ***)
- 1 set for oxygen breathing ***)
- 2 hypothermia packages *)
- 1 defibrillator *)

Inventories (deck equipment)

- 1 heaving line *)
- 1 radar reflector
- 1 boathook
- Day signaling marks, 1 ball + 1 bilateral (biconical) cone
- 1 floating anchor
- 1 knife *)
- 1 Finnish flag *)
- 1 shipowners flag *)

Wheelhouse equipment

- 1 binoculars with bearing compass *)
- 1 binoculars *)
- 1 blowable sound signaling device *)
- Charts *)

- Navigation equipment in the wall rack:
 - 1 navigation compasses *)
 - 1 navigation triangle *)
 - 1 ruler *)
 - 1 pencil *)
 - 1 ball-point pen *)
 - 1 A5 notepad *)
- 2 hand-lamps *)
- 1 chart of directional system *)

Ship documentation

- Log book *)
- Engine room log *)
- Briefcase, containing:
 - Extract from register *)
 - Ship certificate *)
 - Radio licence *)
- Regulations of water traffic *)
- Boat documentation and instructions for the equipment use in folder (not kept on board)
- Board computer with:
 - INTERNATIONAL AERONAUTICAL AND MARITIME SEARCH AND RESCUE MANUAL (IAMSAR III) *)
 - Standard Maritime Communication Phrases *)
 - Maritime rescue's note instructions *)
 - Boat documentation and instructions for the equipment use

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Power tools and spare parts

- Toolbox with instruments *)
- Boat - specified special tools needed for regular maintenance
- Spare parts needed for routine and regular maintenance as well as for service, at least one set for change:
 - Oil filters
 - Fuel filters
 - Belts
 - Thermostats
 - Pump's impellers
 - Zinc protectors (against corrosion)
 - Other motor-/ boat - specified spare parts required regular maintenance
- Liquids needed for daily and weekly revision in its specific containers and measuring jugs for liquids
- Reserve bulbs for navigation and search lights
- Spare batteries for hand-lamps and battery-operated equipment *)

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