



ITALIA 12.98 - TECHNICAL SPECIFICATIONS

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DIMENSIONS AND TECHNICAL DETAILS

Naval architecture: Matteo Polli / Italia Yachts

Interior design: Laura Boscolo Meo / Italia Yachts

Exterior design: 2Pixel Studio / Italia Yachts

Engineering & structural design: Cossutti Yacht Design

Builder: Italia Yachts - Venezia

Property and management: Italia Yachts - Venezia

Length overall: 12.98 m (42.6 ft)

Hull length: 12.65 m (46.5 ft)

Waterline length: 11.01 m (36.1 ft)

Max beam: 4.16 m (13.6 ft)

Draft: 2.25 m (7.4 ft)

Displacement: 8.065 Kg (17,922 lbs)

Engine: Diesel 40 Hp

Transmission: Sail Drive

Engine start battery: n° 1 x 55 Ah AGM

House service batteries n° 2 x AGM 130 Ah (third battery optional 130 AGM)

Fuel: 220 litres (58,12 U.S. gal)

Water: 360 litres (95,10 U.S. gal)

CE Certification: Built according to the European Certification of compliance CE for pleasure craft "A" category

Sail area mainsail + jib: 103 sm (1.109 sq ft)

Sail area mainsail + gennaker: 197 sm (2.121 sq ft)

DOCUMENTATION

- CE certificate
- Certificate of Compliance
- Certificate of power of engine
- Owner's manual containing a description of the boat and of systems installed on board

CONSTRUCTION

The hull and deck are built of foam sandwich cores with PVC with different densities depending on the construction needs. The skins are laid in E-glass mat (biaxial and unidirectional) impregnated with vinylester resin. Reinforcing plates are inserted at the equipment deck. The central area of the hull is fully laminated to improve the resistance to concentrated loads and to avoid delamination. All bulkheads are marine plywood from 15 to 25 mm and are bonded to the hull and gusseted to the internal structure and the deck.

The deck is bonded to the hull with structural adhesive and laminated internally.

A structural carbon frame is placed inside the hull glued and gusseted, to share the loads of the mast and the rigging. On the same are placed bulkheads and furniture.

The hull and deck have gelcoat surfaces; the walkable areas of the deck are finished with antiskid from the female mould. Benches and cockpit floor are finished in teak.

KEEL

"T" keel, a full lead torpedo with 3% antimony and cast iron casting blade.

RUDDER

The rudder blade is laminated glass with PVC core from a female mould. The aluminium alloy (anticorodal 6082) rudder stock is biconical. The steering wheels have dual steering cables with columns containing sprocket and chain. The sector is mounted on aluminum. The two steering wheels are painted fiberglass. The stock bearings are self-aligning.

LOCKERS AND COCKPIT

The cockpit is open aft but can be closed by a removable teak covered transom/swim platform comprising the bathing ladder.

There are:

- n° 2 Side lockers
- n° 2 Lockers aft
- n° 1 Locker in the cockpit for the liferaft
- n°1 Locker in the cockpit for cockpit-table storage

DECK EQUIPMENT

The access to the interior from the cockpit is through a sliding hatch and a vertical tablet closing in two pieces made of plexiglass.

The pulpits are made of tubular stainless steel 25 mm diameter consisting of tethers for lifelines and supports for navigation lights. N° 5 stanchions are installed on each side.

On deck are installed flush hatches and portholes:

- n° 2 Opening hatches in front cabin
- n° 1 In front cabin head
- n° 1 In saloon
- n° 2 In each aft cabin
- n° 6 Opening portlights (n° 3 x side) on the coach roof
- n° 2 Opening portlights (n° 1 side) on internal sides of cockpit
- n° 6 Mooring cleats are provided

ANCHOR LOCKER

The bow anchor arm is stainless steel designed for Delta anchor or similar and easily removable; a windlass is provided that supports a calibrated chain 10 mm installed in the anchor locker.

Winches

The following self tailing winches are provided

- n° 2 Primary winches 2 speed
- n° 2 Mainsail winches 2 speed
- n° 2 Halyard winches 2 speed
- N° 3 Handles are provided

RUNNING RIGGING SYSTEMS

Mainsheet system

"German" sheet below deck. The sheet is operated by dedicated winches including ball bearing blocks Ronstan or similar with fixed point on the cockpit.

Jib system

2 jib tracks 1.50 m long and ball bearing travelers are installed with option to implement a barber hauler system. Optionally, a 3D trim system can be installed with up-down and in-out purchases that allow infinite variety of trimming possibilities.

Backstay adjustment system

Rod / Dyneema® backstay controlled by a hydraulic cylinder

Mast collar supplied

- n° 6 Blocks
- n° 2 Deck organizer
- n° 8 Stopper

Padeyes

The following standard padeyes are provided, foldable and fixed:

- n° 2 Vang padeye
- n° 1 Padeye for gennaker tack
- n° 2 Padeyes for lifeline in cockpit

HALYARDS AND SHEETS

All sheets are made in Dyneema®

- Genoa halyard, mainsail and gennaker DSK 78 diameter 10.
- Mainsheet, genoa sheets DSK 78 diameter 10
- Jib traveller, vang and backstay DSK 78 Diameter 6
- n° 2 Reefs DSK 78 Global diameter 10

MAST, BOOM AND RIGGING

Mast

Mast with 2 spreaders anodized aluminum including conduits for the passage of electrical equipment, anchor light, navigation lights. Anodised aluminum boom with outhaul and double line reefing. The vang is telescopic.

Rigging

9/10 fractional rig. Nitronic discontinuous rod rigging with turnbuckles. Under deck jib furler is standard. V1 chainplate is positioned on sheerline and D1 chainplate is placed on coach roof side for easy forward-aft walkway.

ENGINE

Engine

The boat is equipped with a 40 hp diesel engine with sail-drive transmission and a 3-blade folding propeller complete with single lever control and instrument panel containing the counter and alarms for water temperature and oil pressure.

Engine compartment

The engine compartment is accessible frontally from the saloon and laterally at the sides for the filters and the sea outlet of the foot. Acoustic insulation is positioned around the engine compartment.

TECHNICAL INSTALLATIONS

Fuel

The stainless steel fuel tank has a capacity 220 L including the overflow vent, inlet on deck, emergency stop valve and oil level indicator.

Electrical system

The electrical system is 12V and feeds all utilities. All cables are suitable for nautical use according to the

CE and run in special PVC conduits away from contact with the water. The electrical panel, located near the chart table, consists of a panel containing switches of the main utilities on board, such as navigation lights, electronic instruments, interior lights, radio and VHF, etc. A 12V and USB socket is provided at the chart table. In the boom there is an LED light for cockpit illumination.

230V AC System includes

- n° 1 230V Socket positioned in the cockpit for shore cable connection with magneto-thermal power input
- n° 1 Charger with switch on panel
- n° 1 230V Socket near the chart table
- 230V Electrical panel where is integrated a Ground Fault Circuit Interrupter
- A 230V shore power cable is provided

Interior standard lighting

- n° 11 ceiling spotlights
- n° 8 Reading lamps (all cabins bow & aft, dinette)
- n° 1 Lamp on the chart table

Navigation lights

LED navigation lights are provided.

Fresh water system

Fresh water system hot and cold pressurized mixer comprising of bath with shower attachment and mixer in the galley, cap boarding deck, boiler 16 L with 230V power supply and connected to the motor, pump, n° 2 water tanks with a total capacity of 360 litres. A hot-cold shower is located in the cockpit near the opening transom

Bilge system

The bilge system is made up of a self-priming electric pump and a self-priming manual pump which can be operated from the cockpit.

HOLDING TANKS SYSTEM:

For each toilet there is a holding tank with automatic drainage system

Gas system

A gas supply is installed for the galley. This consists of a special compartment cylinder connected by a copper pipe. In the last stretch before connecting to the kitchen, the copper tube is replaced by a PVC pipe. A flow shut-off valve is installed close to the cylinder and close to stove in the galley.

INTERIOR

All interiors and bulkheads are veneered in wood with satin varnish and brushed white areas.

Galley

The "L" galley including cabinets and drawers, is composed of a three burner tilting stove/oven, n° 1 160 L refrigerator with separate compressor and plate, n° 1 Stainless steel sink and with hot and cold water mixer.

Saloon

The saloon is composed of a "C" sofa and a folding table; on the opposite side there is provided a further sofa; ample storage space and cabinets to the sides.

Chart table

Sliding chart table with seat, storage compartment and instrument panel.

Cushions

The boat is provided complete with removable mattresses for berths, dinette seats and backs in polyurethane foam covered in different washable colours.

Forward cabin

It is equipped with a large double bed, n° 1 wardrobe with shelves and hangers, a compartment under the bed free for storage with access from the horizontal plane of the bed.

Aft cabins

They are equipped with a large double bed and wardrobe with shelves and hanging space.

Head compartment

There are two bathrooms, one in the owner's cabin with separate shower and one with access from the saloon; both are in VTR and are provided with teak grating on the floor, mirror and cabinets and marine toilets. The sinks are provided with mixer tap and shower attachment to the aft head.

Right to modifications without prior notice