

# ITALIA 12.98 YACHTS

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## ITALIA 12.98

**Model:** Italia 12.98

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**Design and styling:** Laura Boscolo Meo - Italia Yacht Design Team

**Engineering project:** Maurizio Cossutti Yacht Design

**Property and management:** Italia Yachts Venezia

## DIMENSIONS AND GENERAL CHARACTERISTICS

**Length overall:** m 12.98

**Hull length:** approximately m 12.60

**Waterline length:** m 11.10

**Beam max:** m 4.16

**Draft:** m 2.20 ac

**Displacement:** kg 7.950

**Fuel tank:** 200 l ca

**Water tanks:** 330 l ca

**Engine:** Diesel 40 hp

**Transmission:** Sail Drive

**Engine start battery:** n° 1 x 55 Ah AGM

**Battery and services:** n° 02 x AGM 130 (third battery optional 130 AGM)

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## CONSTRUCTION

The hull and deck are built of sandwich cores with PVC with different densities depending on the construction needs. The skins are laid in E-glass (mat, mats and unidirectional) impregnated with vinylester resin. The lamination is performed at a controlled temperature between 16 °C and 25 °C. Reinforcing plates are inserted at the equipment deck.

The central band of the hull is made of full laminated to improve the resistance to concentrated efforts 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 superimposed on the hull, bonded with structural adhesive and laminated internally.

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

The hull and deck have gelcoat surfaces; the bridge and walkable areas are finished with antiskid from the female mold. The benches and the floor of the cockpit are finished in teak 10 mm.

## KEEL

"T" keel with a steel blade and box-torpedo cast lead with 3% antimony. The keel is enclosed by a casing made from fiberglass molds numerical control.

## RUDDER

The rudder blade is laminated glass with PVC core female mold. The aluminium alloy (anticorodal 6082) rudder stock is biconical. The steering wheel has a 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 sundeck comprising the ladder.

### There are:

- n° 02 side lockers
- n° 02 lockers aft
- n° 01 locker in the cockpit to accommodate the inflatable

At the bow a windlass and chain locker are provided and, aft of this, a sail locker accessible from the same hatch. Detachable footstaps are provided for the helmsman.



## DECK EQUIPMENT

The access to the interior of the cockpit is through a sliding hatch and a tablet vertical 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 regulations. n° 05 stanchions are installed on each side.

On deck are installed flush hatches and portholes with flyscreen and darkening:

- n° 02 opening hatches in front cabin
- n° 01 in front cabin head
- n° 01 in saloon
- n° 02 in each aft cabin
- n° 06 opening portlights (n° 03 x side) on the coach roof
- n° 02 opening portlights (n° 01 side) on internal sides of cockpit
- n° 06 mooring cleats are provided

## BOW AND SAIL LOCKER

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

## WINCHES

The following 2-speed self tailing winches are provided:

- n° 02 primary winches 48
- n° 02 mainsail winches 44
- n° 02 halyard winches 44
- n° 03 handles are provided



## RUNNING RIGGING SYSTEMS

### Mainsheet system

"German Sheet" system with passage to the winches below deck including n° 07 blocks of balls, sunken cart track at the bottom of the cockpit and the control system.

### System control bow

Consists of n° 02 rails, ball bearing trolleys and adjustment kit returned to the cockpit.

### Backstay adjustment system

Rod / Dyneema® backstay controlled by a hydraulic cylinder

### Mast collar supplied

- n° 06 blocks
- n° 02 deck organizer
- n° 08 stopper

### Padeyes

The following standard padeyes are provided, foldable and fixed:

- n° 02 padeyes for gennaker sheet
- n° 02 vang padeye
- n° 01 padeye for gennaker tack
- n° 02 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

Purchases:

Mainsail and jib travellers, vang and backstay DSK 78 Diameter 6

- n° 02 reefs DSK 78 Global diameter 10

## MAST BOOM AND RIGGING

### Mast

Mast 9/10 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

Nitronic discontinuous rod rigging with turnbuckles. It comes standard with under deck jib furler. 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 S-drive transmission and a 2-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 of the filters and the sea outlet of the foot. Acoustic insulation is positioned around the engine compartment.

## TECHNICAL PLANTS

### Fuel

The fuel tank is made of steel capacity 200 l including some of 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 conduits PVC 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 socket is provided at the chart table.

### 220V AC

The 220 system includes

- n° 01 220V socket positioned in the cockpit for shore cable connection with magneto-thermal power input
- n° 01 charger with switch on panel
- n° 01 220V socket near the chart table
- 220V electrical panel where is integrated a Ground Fault Circuit Interrupter.

### Interior standard lighting

- n° 20 ceiling / ceiling spotlights
- n° 08 reading lamps (cabin bow, aft, dinette)
- n° 01 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 kitchen, cap boarding deck, boiler 20 l with 220V power supply and connected to the motor, pump, n° 02 steel water tanks with a total capacity of 330 liters.

### Bilge system

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

### Gas system

A gas plant is installed for the galley. This plant 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. It is installed a shut-off valve of the flow close to the cylinder and close to the kitchen.



**INTERIOR**

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

**Kitchen**

The "L" galley including cabinets and drawers, is composed by a three burners tilting stove n° 01 160 | refrigerator with separate compressor and plate, n° 01 stainless steel sink and with hot and cold water mixer.

**Dinette**

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, stowage 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 color.

**Forward cabin**

It is equipped with a large double bed, n° 01 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 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 providing with teak grating on floor, mirror and cabinets and marine toilets. The sinks are provided with mixer tap and shower attachment to the aft head.

**SAIL AREA**

Mainsail: 57 sqm.

Jib: 46 sqm.

Gennaker: 140 sqm

