



## **New Italia Yachts 12.98 i.**

### **Preliminary technical specifications**

**Edition: April 2021**

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#### **DIMENSIONS AND TECHNICAL DETAILS**

**Model:** Italia Yachts 12.98

**Naval architecture:** Cossutti YD

**Design e Styling:** Italia Yacht Design Team

**Exterior design e rendering:** Cossutti YD

**Engineering & structural design:** Cossutti YD

**Property and management:** Italia Yachts srl

**Length overall:** 13.16 m; 14.3 m including bowsprit

**Hull length:** 13.16 m

**Waterline length:** 11.20 m

**Max beam:** 3.95 m

**Draft:** 2.20 m / 2.46 m (Fuoriserie version)

**Displacement:** Kg 8.500

**Fuel:** 220 litres

**Water:** 330 litres

**Engine:** Diesel 50 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)

**Main sail area:** 62 sqm approx

**Jib Sail Area:** 52 sqm approx

**Gennaker sailing area:** 160 sqm approx

#### **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

Hull and deck: sandwich construction in infusion with PVC cores with different densities according to the structural needs.

Lamination: glass fibers impregnated with vinyl ester resin.

Reinforcement plates: in correspondence with the deck equipment.

Central hull band made of full laminate to improve resistance to concentrated efforts and avoid delamination phenomena.

Bulkheads: made of 15 to 18 mm marine plywood, glued and gusseted to the hull, internal structure and deck.

Deck: superimposed on the hull, glued with structural adhesive and tabbed internally.

Structural Frame: inside the hull there is a structural frame with carbon reinforcements laminated on a female mold, glued and tabbed to the hull for optimal distribution of mast and shroud loads.

Bulkheads and furniture are placed directly onto the structural frame.

Finish: hull and deck have gelcoat surfaces. Bridge and walkable areas are equipped with anti-skid surfaces.

## KEEL

“T” keel, a full lead torpedo with 3% antimony.

### Rudder and Steering System

Fiberglass rudder blade with PVC core on female mold.

Rudder shaft: biconical circular section in anodized Anticorodal 6082 with 3 supporting blades.

Wheelhouse: double-wheeled cable steering with columns containing pinion and chain.

Helm wheels: painted fiberglass.

Sector: in aluminum mounted on the axis.

Bushings: self-aligning on rollers.

## LOCKERS AND COCKPIT

The cockpit has an open transom.

There are:

- 2 Lockers aft
- 1 Locker in the cockpit for the life raft

## DECK EQUIPMENT

The access to the interior from the cockpit is via the companionway, composed of a sliding hatch and a vertical two-piece plexiglass panel.

The pulpits are made of tubular stainless steel 25

mm diameter consisting of tethers for lifelines and supports for navigation lights.

5 stanchions are installed on each side.

The following hatches and portholes are installed:

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

## ANCHOR LOCKER AND BOW ROLLER

Anchor roller: removable in stainless steel designed for Delta anchor or similar.

Windlass: installed in the anchor locker, it supports a 10 mm calibrated chain.

Carbon bowsprit complete with fittings for sails.

## Winches

The following self tailing winches are provided:

- 2 Primary winches 2 speed
- 2 Mainsail winches 2 speed
- 3 Winch handles

## RUNNING RIGGING SYSTEMS

### Mainsheet system

“German” sheeting system below deck with fixed point in the cockpit and dedicated winches.

### Jib system

the kit consists of 2 rails, with a pin stop adjustment system.

Self-tacking track available (opt).

On request, it is possible to install a 3D jib sheet adjustment system, which consists of a series of hoists that act directly on the sheet.

### Backstay adjustment system

Rod / Dyneema® backstay controlled by a hydraulic cylinder.

## **HALYARD REROUTING**

### Mast collar supplied

- 7 Blocks
- 2 Deck organizer
- 14 Stoppers

### **Padeyes**

#### foldable and fixed:

- 2 Vang padeyes
- 1 Padeye for gennaker tack
- 2 Padeyes for cockpit lifeline

### **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
- all hoists are made in Dyneema® DSK 78 Diameter 6
- 2 Reefs DSK 78 diameter 10

## **MAST, BOOM AND RIGGING**

### Mast: 9/10

9/10 Fractional mast with 2 spreader rows in anodized aluminum, including conduits for the passage of electrical equipment, anchor light and navigation lights.

### Boom

Anodized aluminum boom with outhaul and pulleys for mainsail reefing.

Vang: rigid telescopic type.

### **Rigging**

Discontinuous spiral rigging with lathes. Vertical and diagonal shrouds are sheathed. Through deck furling system.

## **ENGINE**

### **Engine**

The boat is equipped with a 50 hp diesel engine with sail-drive transmission and a 3-blade folding propeller, complete with throttle 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 engine seacock. Acoustic insulation lines the walls of the engine compartment.

## **SYSTEMS**

### **Fuel**

The stainless-steel fuel tank has a capacity 220 L and is equipped with an overflow vent, an inlet on deck, an emergency stop valve and an oil level indicator.

### **Electrical system**

The electrical system is 12V and feeds all utilities. All cables are suitable for nautical use in accordance to CE guidelines. Special PVC conduits keep the cables clear from water. The control panel, located near the chart table, consists of a panel containing switches for the main on-board utilities, such as navigation lights, electronic instruments, interior lights, radio and VHF, etc. A 12V and USB socket are provided in the chart table.

### 230V AC System includes

- 1 230V Socket positioned in the cockpit for shore cable connection with magneto-thermal power input
- 1 Charger with switch on control panel
- 1 230V Socket near the chart table
- 230V Electrical panel with is integrated GFCI

### **Interior standard lighting**

- Diffused strip LED lights
- 8 Reading lamps (all cabins bow & aft, dinette)
- 1 Lamp on the chart table

### **Navigation lights**

LED navigation lights are provided.

### **Fresh water system**

Fresh water system with hot and cold pressurized mixers (Shower and kitchen)

- 16 L Boiler with 230V power supply and connection to engine pump.
- 2 water tanks with a total capacity of 330 liters.

### **Bilge system**

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

### **Gas system**

A gas system is installed for the supply of the kitchen, consisting of a special compartment cylinder connected by copper tubing. A flow shut-off valve is installed near the cylinder and one nearby kitchen.

## **INTERIOR**

All the interiors and bulkheads are veneered in laminate and oak wood (opt) with the wood grain oriented horizontally. Finished with satin varnish and white brushed areas.

### **Kitchen**

The "L" galley including cabinets and drawers, is composed of

- three burner tilting stove/oven,
- n° 1 refrigerator with separate compressor and plate (160 ca)
- n° 1 Stainless steel sink with hot and cold water mixer.

### **Dinette**

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

### **Chart table**

Chart table with seat, storage compartment and instrument panel.

### **Cushions**

The boat is provided complete with removable mattresses for berths, dinette seating and back rests in polyurethane foam lined in different washable fabrics.

### **Forward cabin**

It is equipped with a large double bed, 2 wardrobe with shelves and hangers, a compartment under the bed free for storage.

### **Aft cabins**

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

### **Head compartment**

There is one bathroom with access from the saloon. Separate shower is provided. Sinks are equipped with mixer taps.

***Italia Yacht reserves the right to modifications to the technical specifications with no prior notice.***