



## MAT 1220

**Reference ID:** 630

**Displacement (Kg):** 5250

**Builder / Designer:** MAT Yachts

**Beam (mtr):** 3.96

**Model:** 1220

**Draft (mtr):** 2.5

**: Mills Yacht Design/Mark Mills**

**Displacement (Kg):** 5250

**Year:** 2022

**Location:** Turkey

**Engine:** Yanmar with sail drive

### Disclaimer

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## Description

### New model MAT Yachts, the MAT1220

#### COMMENT MILLS YACHT DESIGN ON MAT 1220

The MAT 1220 is our latest design for a new generation of IRC racers for MAT, emphasising versatility both in performance profile and configurations.

The premise for the boat is to produce a modern light design that is equally at home offshore as inshore, taking the rating-friendly features of the successful 'French' IRC design type and combine with slightly lighter displacement. This French style of IRC design combines features such as medium displacement, greater emphasis on bow overhang, fin keel of moderate draft, and a number of sail plan tweaks to arrive at a very competitive corrected time solution inshore over 12knots true, and offshore in most conditions. Because of this combination of these features it is inherently competitive reaching, and we have been working on improving the inshore character of the boat in sub-12 for better light airs windward leeward performance without giving up the ability to get on the step downwind at a reasonable wind speed. The base rating for the fin keel version with pinhead main is around 1.155, while with the fin keel and a squaretop it could go up to 1.190.

Building on the deck and styling of the MAT1070, the large cockpit offer an optimal platform for high level racing as open space for fun family sailing. The interior can be completed to a range of fitouts from stripped racing to offshore racing to family racer/cruiser. Working with engineer Steve Koopman of SDK Structures we have configured the boat to be as versatile as possible, with the socketed fin attachment allowing easy changes between the standard fin keel and a deeper bulb keel. The sail plan is built around the lower rated pinhead main, but for lighter air venues the squaretop main offers a useful increase in sail area. A twin rudder option is available for more offshore oriented campaigns, and multiple winch choices range from the base layout to a pedestal driven solution and a powered winch option. **Because it is not an extreme typeform with a medium sized sail plan and reasonable displacement, stability and draft, we are also working on an ORC optimised configuration.**

## General

### Construction

- ISO 12215 structural regulations category A
- Hull, deck, bulkheads, interior components in PVC foam cored composite glass/carbon sandwich
- Vacuum assisted resin infusion

### Keel

- Composite fin and fully CNC shaped lead bulb
- Steel keel spar socketed in the hull

Or keel option

- Fully CNC shaped lead fin keel
- Steel keel spar socketed in the hull

### Rudder and Steering

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- Prepreg carbon autoclave cured rudder and stock
- Jefa self aligning high performance rudder bearings
- 900 mm Carbonautica GFC composite twin wheels

## **Rigging**

### Axxon Composites

- HR standard modulus carbon fiber mast
- Section 130x215
- 2:1 main halyard sheave box
- Double masthead sheave box for spi/code 0
- 2 x mast head Kevlar backstay tails to winches
- 2 x sheave box @headstay height jib/genoa/solent
- 2 sets of aluminum spreaders
- Carbon gooseneck and vang bracket
- Rigid vang
- HR standard modulus carbon max depth boom. RAL 9005 black finish
- BSI Rod rigging
- Prepreg carbon autoclave cured bow sprit

## **Accommodations**

- Bulkheads and interior components in PVC foam cored composite glass/carbon sandwich

### Central cabin:

- Lightweight composite nonskid floor boards
- Composite bunks stb&port, high density foam mattresses, Sunbrella upholstery
- 2 mesh pipe cots over bunks serve as backrest when not in use
- Lightweight composite companionway ladder for easy access to engine

### Galley:

- Dometic gimbaling two burner gas cooker
- GRP refrigerator compartment, Vitrifigo 12V cooling compressor
- Can Marine twin galley sink, mixer tap

### Enclosed heads:

- Can Marine hand basin, mixer tap
- Jabsco marine manual toilet

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Aft cabins:

- 4 mesh pipe cots, 2 in each cabin, over under

## **Deck and Cockpit**

- 6 x Harken Performa 50.2 STP Performa winches
- 2 x Harken Performa 46.2 STP Performa winches - pit
- Harken mainsheet track and 2:1 mainsheet to winch
- Harken transverse jib tracks and cars
- Harken/Antal halyard lead blocks
- Harken/Antal sheet and other primary blocks
- Harken/Antal control blocks
- Spinlock XXA and XCS clutches
- Custom alloy fairleads
- 5 mm SS lifelines, Blue Wave terminals
- 2 opening Lewmar portlights
- 3 opening Lewmar hatches
- Custom tempered glass coachroof windows
- Custom stainless steel chainplates recessed in hull
- Composite mast collar
- Recessed companionway sliding hatch
- Locker for gas bottle

## **Electrics**

- 12V circuit
- Victron Energy 2 x 110 A AGM deep cycle house batteries
- Victron Energy 1 x 80 A starter battery
- BEP Marine battery switches
- BEP Marine distribution switch panel
- Victron Energy battery management system
- Frensch GmbH LED interior lights
- Lopolight LED navigation lights
- ISO wiring

## **Plumbing**

- Plastimo 200 l flexible fresh water tank
- Southco fresh water fill on deck
- Jabsco pressurized water system
- Jabsco manual bilge pump 3000 l/h cockpit
- Rule electric bilge pump 7570 l/h
- Forespar racing marelon flush valves

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During these guided tours, together with one of our brokers there is the opportunity to ask our brokers all questions you have as when you make a real-life visit.

Together with our specifications, this package will give you a realistic impression of the volume, layout and condition of the yacht and equipment.

After an online guided tour together with the package of information at hand, you can decide if you like to see the yacht, or wish to send a surveyor to check the yacht. We hope to see you soon online or in real life for a visit on the yacht of your dreams.

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