

M.A.T.

Namık Elal Caddesi 21Yelki
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Specification

February 2011

M.A.T. 1010

IRC 10.10 m racer cruiser

Type

10.15 m dual purpose yacht aimed at providing competitive IRC performance and comfortable accommodation

Design

Mills Yacht Design, Mark Mills

Design Category

CE category A – ocean

Dimensions

Length overall	10.15 m
Hull length	10.15 m
LWL	8.75 m
Beam max	3.32 m
Draft	2.10 m
Disp	4250 kg
Ballast	2150 kg

I	13.60 m
J	3.82 m
P	13.40 m
E	4.63 m
STL	4.56 m

Mainsail	38.39 m ²
Headsail	28.32 m ²

Fuel tank	56 lt
Fresh Water tank	100 lt

Construction

Hull and deck produced with vacuum assisted resin infusion technology (VAI) in pvc foam cored vinylester/e-glass
Bulkheads produced in pvc cored vinylester/e-glass, laminated and structurally bonded to hull and deck
Multiaxial structural e-glass reinforcement fabrics
White coloured isophthalic NPG acid gelcoat on hull, deck, bulkheads and interior molding
Gelcoat colour: DSM Euro Resins Neogel NPG 8373-W-0044
Molded nonskid on deck and cockpit floor
Composite structural liner for interior arrangement
Light composite interior components in cored polyester/e-glass

Keel

550 kg sg iron fin with 1600 kg lead/antimony bulb = 2150 kg (approximate)
Recessed in the hull and bolted to structural composite frame
Coated and faired with a layer glass/epoxy

Rudder and Steering

Composite rudder and carbon fibre stock
Jefa high performance self aligning top/lower rudder bearings
Custom alloy tiller - *Twin 900 mm wheels on request*

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Deck

Primary winches: 2 x Harken radial B40.2 STA self tailing 2 speed alloy winches
Halyard winches: 2 Harken radial B35.2 STA self tailing 2 speed alloy winches

Harken block and car package including:

- Windward sheeting mainsheet traveller and track
- Longitudinal jib tracks, cars and purchase system
- Mainsheet purchase blocks
- Spinnaker sheet and deflector blocks
- Foreguy blocks
- Halyard lead blocks

- Spinlock XTS series rope clutches
- Custom alloy fairleads
- Wichard folding padeyes
- 4 opening BSI moonlight coachroof portlights
Custom tempered glass coachroof windows on request
- 2 opening BSI moonlight portlights in cockpit
- 1 opening BSI moonlight round foredeck hatch
- Portlight interior trims in anodised alloy
- Moulded toerail to mast
- Stainless steel open bow pulpit and stern rail, stanchions, 4 mm S/S lifelines, 620 mm high
- Custom stainless steel chainplates recessed in hull
- Composite mast collar
- Recessed companionway sliding hatch
- Plastimo 135 mm compass

Mast and Rig

- Alloy mast with 2 sets of aft swept spreaders
- Alloy racing boom with internal outhaul purchase
- Carbon fiber spinnaker pole
- Rod rigging
- Composite T5 backstay
- Long stroke integral hydraulic backstay adjuster
- Solid mechanical vang
- Lopoligh combined LED navigation lights/anchor light on mast

provision for:

- 1 main halyard
- 1 Cl I height jib halyard
- 1 wing spinnaker/jib halyard to spectacle at I height
- 2 masthead spinnaker halyard
- 1 pole lift

Engine

- Yanmar 3YM20C 22 HP diesel engine with SD20 sail drive
- Fresh water cooling
- Sea water filter
- Exhaust with muffler and water trap
- 56 lt diesel tank
- Shut off valve between the diesel tank and the engine, diesel filter with water separator
- Diesel fill on deck
- 2 bladed folding propeller
- Teleflex single lever engine control
- Engine panel recessed in the cockpit for protection

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Electrical

12 volt DC

12 volt 60 A alternator on engine

Deka 1x90 amp hour group 27 deep cycle house battery

Deka 1x70 amp hour group 24 starter battery

BSS main DC panel with house, engine and emergency switches

12 volt DC distribution panel with automatic circuit breakers

2 x voltmeter

12 volt DC plug

LED interior lights

Plumbing

100 lt flexible fresh water tank

Jabsco pressurised water system

S/S hand basin in head

Whale mixer tap/pull out shower head

S/S galley sink

Whale mixer tap

Jabsco manual bilge pump in cockpit 3000 lt/hr

Rule electric bilge pump 5.678 lt/hr

Jabsco electric shower drain pump

Jabsco marine toilet

Racing type marelon seacocks and flush valves

Fresh water fill on deck

Accommodation

Interior plan as indicated by Mills Design

All bulkheads and other interior components in pvc foam cored grp composite

White coloured gelcoat surfaces with wooden trim for ease of maintenance, lightweight and modern appearance

Honeycomb cored, satin varnished naturel oak wood veneer floor boards, cabin doors, cabinet doors

Custom lightweight alloy cabinets to match alloy door frames, alloy portlight trims

Custom alloy handrails

Southco alloy door handles

High density foam cushions, sunbrella upholstery

Central salon area with settees port & starboard

Enclosed head to forward of mast, s/s hand basin, shower, china bowl, cabinet, wet locker

Double berth cabin port & starboard aft, portlights for naturel light and fresh air

Galley to port by companionway, s/s sink, cooker, refrigerator compartement

Navigation station to starboard of companionway