

M.A.T.

1180

M.A.T. 1180 IRC 11.80 m Racer

Specifications

January 2021

Design

Mills Yacht Design, Mark Mills
www.mills-design.com

Composite Engineering

Gurit
www.gurit.com/engineered-structures

Dimensions

Hull length	11.80 m
Beam max	3.98 m
Draft	2.50 – 2.90 m
Displacement	4.375 – 4.050 kg
P	15.95 m
E	5.20 m
J	4.44 m
STL	6.50 – 7.00 m

Construction

Female hull and deck tools
E-glass, carbon fiber, PVC core, epoxy vinylester resin
Vacuum assisted resin infusion
ISO 12215 structural regulations category A
Gelcoat finish on hull, deck and internal structure
RAL 7005 grey on cockpit floor

Keel

SG structural post
CNC shaped molded composite keel shell
Fully CNC machined lead bulb
Adjustable draft

Rudder and Steering

Carbon fiber rudder stock
Carbon fiber rudder blade
Jefa self aligning rudder bearings
Carbon fiber tiller and Spinlock tiller extension
Optional 900 mm composite twin wheel steering

Deck

Harken deck gear package
Transverse jib tracks
Harken performa winches
2 x primary winches 46.2 STP
2 x main sheet winches 46.2 STP
2 x backstay winches 40.2 STP
1 x pit winch 46.2 STP
Optional Harken Air grinder pedestal system
2 x Spinlock XXA and 6 x XCS clutches
Custom alloy fairleads
Composite stanchions, pulpits and pushpits
4 mm 1x19 SS lifelines
Forward Lewmar hatch port of CL, custom composite trim kit

Rig

Axxon Composites high modulus carbon fiber mast
Rod rigging
2 x mast head backstay tails
Integral hydraulic mast jack
Carbon fiber boom
Carbon fiber bow sprit

Engine

New Yanmar 3YM30AEC 30 Hp diesel engine with SD25 sail drive
80 liter rigid polyethylene diesel tank
2 bladed folding propellers
Single lever engine control

Electrical

1 x 12 V 110 Ah AGM house battery
1 x 12 V 70 Ah deep cycle starter battery
LED interior lights
LED navigation lights

Interior

Engine box with steps
Galley with sink, pressurized fresh water and single burner cooker
100 liter flexible fresh water tank
Two manual bilge pumps
Jabsco marine toilet
Racing marelon seacocks and flush valves

Participants



KND-SailingPerformance