

# MAXI 1100

technical specification



MAXI YACHTS



# MAXI YACHTS

## HULL

White, high-temperature NGA gelcoat is sprayed up in the moulds. The hull is laid up by hand lay-up in a female mould. The hull is partially laminated in isopolyester, partially in DCPD-Ortho polyester. A sandwich laminate made of 20mm PVC core is used all through the hull. Multi-axial stitched roving & chopped strand mat is used as reinforcement with uni-directional glass in high load areas. The keel area is a solid laminate as well as the laminate around major through hull fittings. Smaller through hulls have the edges of the sandwich treated with a sealer. White topcoat on the hull in all lockers, bilges and similar exposed areas. Striping with blue vinyl tape.

## INTERNAL REINFORCEMENT

Female moulded hull stiffening and innerliner grid. Grid moulded in white gelcoat and DCPD-ortho polyester using tri-axial and uni-directional glass in tophat sections. Forward and aft the grid is glued to the hull using polyester putty Prestocol TH 725 A or similar. In the keel area the grid is hand laminated to hull. A structural ring frame incorporating marine plywood bulkheads, multiple hand laminated shelves and tophat stiffeners distribute the load from shrouds. The grid is prepared with hose and cable runs. Structural marine plywood bulkheads are glued, bolted and/or laminated to the hull. All marine plywood is Water and Boil Proof in compliance with British Standard 1088.

## KEEL

2,00m draft lead/antimony(2,5%) casting with incorporated bulb. Thin keel fin and a low centre of gravity. Keel is bolted with M20 AISI 316L stainless steel bolts. 10mm keel washers in stainless steel.

## RUDDER & TILLER STEERING

Hand laminated rudder blade using white gelcoat, bi-axial and uni-directional E-Glass reinforcement in a polyester resin. Balanced spade rudder.  $\phi$ 73mm aluminium EN 6082 rudder stock double tapered with three wings welded to the stock. The wings of the stock are laminated to one half of the rudder before assembly. The blade halves are laminated and glued together. The top and bottom bearing is an acetal needle bearing for minimum resistance and maintenance. Rack and pinion steering with a drag link. Leather covered  $\phi$ 1220mm wheel with tandem spokes and friction brake. Glove boxes in cockpit with teak frames. Emergency tiller made of aluminium.

## DECK

White, high-temperature NGA gelcoat is sprayed up in the moulds. The deck is laid up by hand in a female mould with integrated anti slip surfaces. The deck is laminated in DCPD-Ortho polyester. A sandwich laminate made of 15mm & 20mm PVC core is used in all horizontal surfaces. Chopped Strand Mat is used around recesses for hatches. All fittings are fixed in either single laminates or a sandwich with a marine plywood or aluminium core. The deck is glued to the hull using polyester putty, and subsequently bolted using M8 bolts c-c 200mm. The deck includes grooves and platforms for hatches and lids. Striping with blue vinyl tape. White topcoat in all visible areas.

## DECK EQUIPMENT FOR SAIL HANDLING

2x halyard winch	Lewmar 40CST Chrome	2x primary winch	Lewmar 44CST Chrome
1x mainsheet track	Lewmar L=1245mm, Sz 2	2x jib track	Lewmar Sz 1
2x clutch	Lewmar double 10-12mm.	2x genoa track	Lewmar 32mm T-Track
1x clutch	Lewmar single 6-8mm.	2x clutch	Lewmar triple 10-12mm
2x genoa car	Lewmar T-Track	2x organiser	Lewmar 5-sheaves acetal
2x jib car	Lewmar Ocean Sz 1	1x mainsheet car	Lewmar Ocean sz 2
3x blocks	Lewmar Sz 1	12x blocks	Lewmar Sz 2
2x blocks	Lewmar Racing 6:1 mainsheet	2x blocks	Lewmar 6:1 backstay
2x winch handle	Lewmar Powergrip 12"	1x winch handle	Lewmar Powergrip 10"
4x foot blocks	Lewmar Racing 80mm	2x servocleats	

## VENTILATION, WINDOWS, SKYLIGHTS AND PORTLIGHTS

Skylight stainless steel frame	20" square	1x forward cabin
Skylight stainless steel frame	24" square	1x saloon
Portlight, stainless steel frame, opening		1x toilet, 2x aft cabin, 2x saloon
Stainless steel framed acrylic windows		4x saloon
Ventilator, type Electrolux stainless steel		1x saloon
Ventilator, stainless steel		5x aft storage
Ventilation from owners cabin into cockpit.		
Ventilation in heads		



## MAXI YACHTS

Ventilation in SB aft storage into SB cockpit glove-box

### HATCHES AND LIDS

Companionway door in teak

GRP moulded hatches on deck:

(All hatches in sandwich laminate)

2x anchor-well forward	
1x anchor-well aft	40N cylinder spring
1x aft storage SB	80N cylinder spring
1x aft storage BB	80N cylinder spring
1x cockpit storage SB	2x40N cylinder spring

There are two 10mm acrylic hatches on deck 1x companionway sliding hatch

1x aft cockpit/bathing platform

### OTHER DECK GEAR

Sprayhood; blue canvas with stainless steel tubing. Handle on edge of sprayhood towards cockpit. Teak footrail without holes. 2x4mm lifelines 600mm above deck, swaged terminals. 8x Stainless steel stanchions. Guard wire gate in stern. Silva compass on steering pedestal. U-bolt for attachment of end of anchor rode in for and aft anchor well. Flagpole 900x25mm Teak at SB side of pushpit. 4x halyard bags with Maxi logo (supplied loose).

### STAINLESS STEEL DECK GEAR

All AISI 316L acid proof steels. Hand polished.

Pulpit 25mm	1x Bow
Pushpit 25mm	1x SB stern
	1x Port stern
Chainplate	1x Forestay w/ 2x bow rollers
	1x SB & Port shrouds
Handrail, 25mm	2x cabinroof top
Bathing ladder	Bathing platform through bolted in anchor well aft
Mooring Cleats	6x 265x70
Mooring rope chafe protection	6x (one at every mooring cleat)
Backstay attachment	2x plates
Sliding hatch	2x covers in companionway
Padeye Folding 6mm	4x Wichard

### INTERIOR

Interior in mahogany covered with 3 layers of varnish to a satin finish. Acid curing semi-gloss alkyd varnish. All cushions in suede velour fabrics. All doors and drawers have push-button locks to keep closed. 4x large pillows & 4x small pillows with Maxi logo.

### SALOON

3x seat cushions starboard and 1x seat cushion port. 1x fill in cushion. 2x backrest cushions which can be raised for sleeping. Mahogany saloon table with flaps for ease of passage and lid for storage. 4x louvered doors in lockers. 2x shelves aft of chain-plate boxes. Hull cladding in ribbed mahogany. Curtains fitted in covered tracks. Detachable wood panels in ceiling. Solid mahogany mast trims. Fabric cover for mast section above saloon table. Access to storage below seat cushions. Hand rail in ceiling. Double berth on starboard when extension pulled out. Luan floors with carpet.

### GALLEY

Laminate countertop in cream colour. Laminated wooden trims on counter. Stainless steel double sink. 2x shallow drawers & 1x deep drawer. Top loaded fridge 75L Isotherm w/ Danfoss compressor. Waste bucket under sink. 2x louvered doors above stove. 1x hatch below stove. 1x hatch outside of stove. 2x doors under sink. Purpose made storage of service in locker. Oiled teak floor.

### NAVIGATION STATION

1x seat cushion. 1x chart table w/ wooden trims all around. 3x drawer below chart table. Storage under nav seat. Locker for books. Electrical switchpanel on separate wooden panel.

### FORWARD CABIN

Sliding door. 2x sleeping cushion. 1x fill-in cushion. Hull cladding in ribbed mahogany. Blinds for skylight. Ceiling in detachable panels. 2x locker door with frame below the berth. Shelves along hull sides. Hanging lockers on port and starboard. 4x louvered locker doors. Carpet.



## MAXI YACHTS

### OWNERS CABIN

2x sleeping cushion. Hull cladding in ribbed mahogany. Ceiling made of detachable panels. 2x louvered hanging locker doors. Shelf along hull side. 2x curtain on aluminium pipes. Door for easy access into engine-room. Luan floor with carpet. Mirror.

### HEADS

Shower sump discharge pump SWN1100-12V. Wet locker aft of heads. Stainless steel sink with discharge. Toilet paper holder behind locker door. 2x hooks for clothing. Door holder secure door in open position. 2x mugs with holder. Mirror sliding doors above toilet counter top. Acrylic seat on top of toilet bowl. Mirror on door. Stainless handhold on washbasin.

### MAST & RIGGING

Mast is fractionally rigged with a keel stepped mast base. Seldén C21 1x110mm mast section made of silver anodised aluminium.

<i>Mast head:</i>	Headbox with sheaves for main halyard & main topping lift, clevis pin for backstay, Windex. Instr. base.		
<i>Hounds:</i>	Sheave box spinnaker halyard, Spin halyard lead, Nose for forestay, Shroud backing plate, Sheavebox for jib halyard. Sheave box for topping lift.		
<i>Spreaders:</i>	2 sets of anodised aluminium airfoil sectioned spreaders with spreader brackets. Sweep angle 21°.		
<i>Lights:</i>	Steaming light	Flood light	
	1xSpinpole eyes	6x rope slot fittings	
<i>Deck Level:</i>	Boom bracket, Kicker bracket, Deck ring assembly, Tie rod assembly, Mast heel & mast base.		

### BOOM

Silver anodised aluminium alloy boom section 171x94mm. Internal outhaul. 2 singleline reefs, 1 flattening reef.

<i>Inboard end</i>	Inboard bracket
<i>Along boom</i>	1x kicker slider, 1x sheet slider
<i>Outboard End</i>	Outboard bracket

### STANDING RIGGING

Discontinuous stainless steel 1x19strands wire-rigging. Stud-toggle rigging screws.

Forestay, FURLEX 208	8mm	Intermediate shroud, stemball $\diamond$ swage	6mm, 3/8" rigging screw
Upper Cap shroud, eye $\diamond$ Tterminal	8mm	Lower cap shroud, fork $\diamond$ rscrew	10mm, 5/8" rigging screw
Permanent backstay, eye $\diamond$ fork	7mm	Aft lower shroud, stemball $\diamond$ swage	8mm, 1/2" rigging screw
Backstay bridle, 7x19strands	6mm		

### RUNNING RIGGING

1x Main halyard	6mm, 13,9m 7x19 wire	12mm, 20,5m 16/16 rope	Shackle
1x Genoa halyard	6mm, 12,8m 7x19 wire	12mm 19,9m 16/16 rope	Snap shackle, blue ball
1x Main topping lift		10mm, 33m 16/16 rope	Shackle
1x Main Sheet		12mm, 30m 16/16 rope	
2x Genoa / Jib sheets		14mm, 13m, 16/16 rope	
1x Vang Control		12mm, 8m, 16/16 rope	
1x Backstay	6mm, 5,5m, 7/19wire	10mm, 10mm 16/16 rope	
1x Mainsheet car		8mm, 11m, 16/16 rope	
2x Genoa Car		8mm, 9,5m, 16/16 rope	
1x Cunningham		10mm, 5m, 16/16 rope	
1x Lazy Jacks			

**BOOM VANG** Seldén rod kicker Type 20.

**SAILS** All sails by ElvströmSobstad Sails.

Mainsail. 39 m <sup>2</sup> .	Cross cut dacron 380 gr/m <sup>2</sup> . 2 reefs, 4 battens. Leech line. Loose foot. Nylon sail-sliders. Sail numbers, class mark, tell tales on leech. Sail bag.
Mainsail cover.	Blue canvas.
Jib. 31 m <sup>2</sup> .	105%. Cross cut dacron 360 gr/m <sup>2</sup> . Sail is prepared for Furlex. Vertical battens. Leech line, UV Protection, Tell-tales. Sail bag.



# MAXI YACHTS

## ENGINE & SYSTEMS

All through hull fittings close to waterline and below have shut-off ball valves. All hoses are attached to through hulls with double stainless steel hose clamps.

### ENGINE

A three-cylinder Volvo Penta MD2030 engine with a MS25S saildrive. Freshwater cooled. Teleflex Morse engine controls. Volvo Penta fuel filter. Vetus vacuum valve. Volvo Penta muffler. Well soundproofed engine room. Folding 3-blade propeller. Engine panel in cockpit.

### FUEL SYSTEM

Fuel tank 93 L. Stainless steel. Inspection hatch in tank. Fuel feed and return hose with shut-off valves. Fuel feed for diesel heater. 38mm fill hose. 19mm ventilation hose. Fuel level indicator on navpanel.

### LPG SYSTEM

2-burner LPG stove, gimballed. 3kg LPG bottle with ventilated storage port and starboard in cockpit. Pressure reduction valve 30mBar. Shut-off valve at stove. Continuous copper pipe 8x1mm from bottle to stove. 400mm LPG hose at bottle. 1000mm LPG hose at stove. Swaged terminals on LPG hoses.

### BILGE WATER SYSTEM

Electrical bilge pump SWN1100-12V in heads	Suction point at keel sump	Discharge below sheerline
Manual bilge pump 1 1/2" in saloon	Suction point ast keel sump	Discharge above waterline
Manual bilge pump 1 1/2" cockpit	Suction point in engine room	Discharge below sheerline

### FRESHWATER

Water tank stainless steel 220L. Inspection hatch in tank. Water level indicator on nav panel. Pressurised freshwater pump WPS 3.4-12V. Hotwater calorifier Isotherm 22L, expansion hose fitted overboard. Single lever tap in galley. Single lever tap with shower hose in heads. Hot and cold shower on bathing platform.

### TOILET

Toilet bowl. Manual pump. Polyethylene septic tank. Discharge overboard 50mm. Deck suction point 38mm. Ventilation hose. Vacuum valve for toilet seawater intake. Sanitary hose.

### NAVIGATION LIGHTS AND INTERIOR LIGHTS

All navigation lights comply with COLREG 1972.

3x Navlights	Lantern stern, white	Lantern bow, red/green	Steaming light, white		
8x Reading lamp, chrome	Saloon	Aft cabin	Forward cabin		
1x Reading lamp, black flexible	Nav table				
3x Light switch, chrome	Saloon	Forward cabin	Owners cabin		
11x Ceiling lights	Saloon	Forward cabin	Owners cabin	Heads	Galley
3x Locker light	SB aft locker	Port aft locker	Cockpit locker		

### ELECTRICAL SYSTEM

The electrical system is 12volts. The main cable runs are placed in accessible channels. The battery bank contain 1x starting battery 75Ah and 3x service batteries 75 Ah. One switch panel is placed at the navigation table;

*Circuit breakers:*

Nav Lights	Steaming Light	Deck Light	Anchor Light	3-colour Light	VHF/Radio
Instr/Radar	Autopilot	Aux	Interior Lights 1	Interior Lights 2	Interior Lights 3
FW pump	Bilge pump	Shower pump	Fridge	Power	

*Level gauges:*

Fuel Level	Water Level	Voltmetre			
12V socket.	Navpanel	Cockpit	Heads	Toilet	

Main circuit breaker panel placed at companionway:

<i>Fuse Groups</i>	Radio/Mem Clock	Heater	Bilge Pump	Aux
<i>Main Switches</i>	Engine	Aux		

Battery charging by 60Amp generator on the engine. Charging regulator.

Depth	Raymarine ST60
Speed	Raymarine ST60

## DELIVERY

4 x mooring rope	4x fenders & fender socks	Decal for lifting slings
Toolbag	Boat hook, telescopic	Brush with telescopic handle
Document Bag containing complete set of instruction manuals	Maxi Yachts service	

Teak cockpit table 800x600x20 w/ stainless steel leg

## SAFETY

2x Fire extinguisher 2 kg powder. Fire-port for engine room.

# MAXI 1100

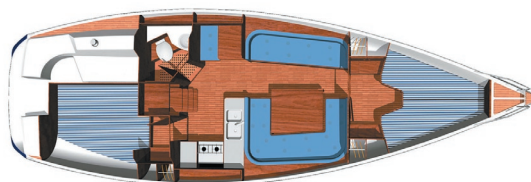
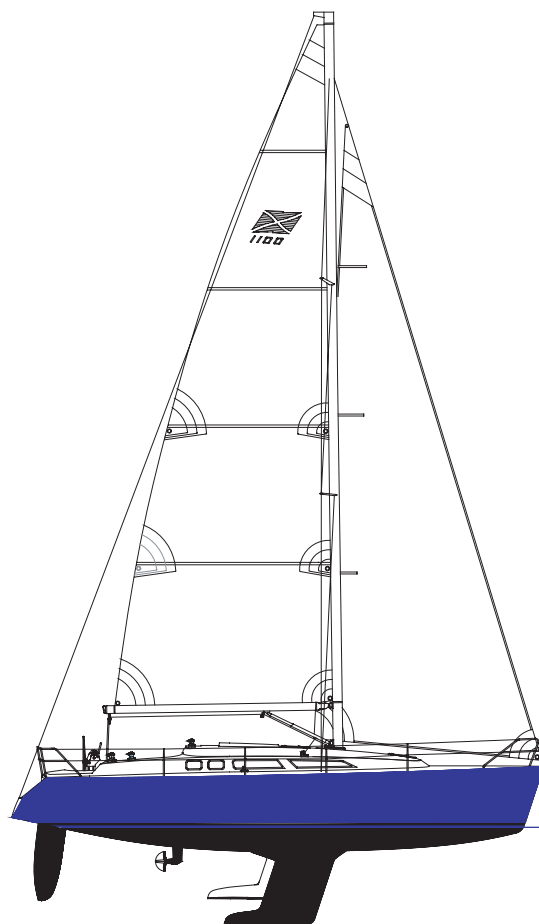
## BOAT DATA

LOA	11,17 m	36' 6"
LWL	9,85 m	32' 3"
BOA	3,65 m	12' 0"
DRAFT	2,00 m	6' 7"
KEEL	2400 kg	5298 lbs
DISPL	6100 kg	13466 lbs
MAINSAIL	39,0 m <sup>2</sup>	420 ft <sup>2</sup>
GENOA	43,0 m <sup>2</sup>	463 ft <sup>2</sup>
SPIN	101 m <sup>2</sup>	1087 ft <sup>2</sup>
I	14,2 m	46' 6"
J	4,15 m	13' 7"
P	14,0 m	45' 9"
E	4,5 m	14' 8"

Maxi Yachts reserves the right to make changes to the specification without prior notice.



CE & DNV CERTIFICATION  
Maxi 1100 is certified by Det Norske Veritas  
CE Design Category: "A - OCEAN "



MAXI YACHTS