

MAXI 1050

technical specification



MAXI YACHTS



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HULL

White, high-temperature NGA gelcoat is sprayed up in the moulds. The hull is laid up by a combination of hand lay-up and spray lay-up in a female mould. The laminate is then hand consolidated. The hull is partially laminated in iso-polyester, partially in DCPD-Ortho polyester. A sandwich laminate made of 15mm PVC core is used on the topsides above the turn of the bilges. Chopped strand mat is used as reinforcement with woven roving in the centreline and 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 innerline 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. Marine plywood divisions hand laminated to hull and grid in locker spaces. 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

1.87m draft iron casting with incorporated bulb. A thin keel fin with a low centre of gravity. Iron casting sanded and ground down before sand blasting to Sa 2 ½ surface finish. Painting with epoxy based primer Interprotect or similar. Dry film > 300 µm in total. Keel is bolted with 11xM20 AISI 316L stainless steel bolts 10mm keel washers in stainless steel.

RUDDER & TILLER STEERING

Hand laminated rudder blade using white gelcoat and bi-axial and uni-directional E-glass reinforcement in a polyester resin. Balanced spade rudder. φ60mm stainless steel rudder stock with two 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 bottom bearing is an acetal needle bearing for minimum resistance and maintenance. The top bearing is an acetal bushing for a compact rudder installation. Stainless steel tiller with double φ25mm tubing and a Spinlock tiller extension.

DECK

White, high-temperature NGA gelcoat is sprayed up in the mould. The deck is laid up by a combination of hand lay-up and spray lay-up in a female mould with integrated anti-slip surfaces. The deck is laminated in DCPD-Ortho polyester. A sandwich laminate made of 15mm PVC core is used in all horizontal surfaces. Chopped strand mat is used around recesses for hatches. All fittings are fixed in either single laminate 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 exposed areas. Glove boxes in the cockpit with teak frames.

DECK EQUIPMENT FOR SAIL HANDLING

2x halyard winch	Lewmar 30CST Chrome	2x primary winch	Lewmar 40CST Chrome
1x mainsheet track	Lewmar Ocean Sz 1, L=1500mm,	2x genoa track	Lewmar Ocean Sz 1, L=3000mm
2x clutch	Lewmar double 10-12mm.	2x clutch	Lewmar triple 10-12mm
1x clutch	Lewmar single 6-8mm.	2x organiser	Lewmar 5-sheaves Acetal
2x genoa car	Lewmar Ocean Sz 1	1x mainsheet car	Lewmar Ocean Sz 1 w/torlon balls
3x blocks	Lewmar Sz 0	11x blocks	Lewmar Sz 1
1x winch handle	Lewmar Powergrip 12"	1x winch handle	Lewmar Powergrip 10"
2x servocleats		2x block	Lewmar racing 27mm

VENTILATION, WINDOWS, SKYLIGHTS AND PORTLIGHTS

Skylight stainless steel frame	20" square	1x forward cabin
Skylight stainless steel frame	16" square	1x saloon
Portlight, stainless steel frame, opening		1x toilet, 2x aft cabin
Stainless steel framed acrylic windows		4x saloon
Ventilator, type Electrolux stainless steel		3x saloon
Ventilator, stainless steel		2x aft storage
Ventilation from owners cabin into cockpit		
Ventilation from SB aft storage into SB cockpit glove-box		



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HATCHES AND LIDS

GRP moulded hatches on deck:	1x anchor-well forward	
(All hatches in sandwich laminate)	1x anchor-well aft	40N cylinder spring
	1x aft storage SB	80N cylinder spring
	1x aft storage Port	80N cylinder spring
	1x cockpit storage SB	80N cylinder spring
There are four 10mm acrylic hatches on deck.	1x companionway sliding hatch	
	2x companionway washboards	Maxi Logo & ventilation
	1x aft cockpit/bathing platform	

OTHER DECK GEAR

Sprayhood, blue canvas with stainless steel tubing. Handle on edge of sprayhood towards cockpit. Aluminium footrail without holes. Possibility to put fittings on rail. 2x ϕ 4mm lifelines 600mm above deck, swaged terminals. Stainless steel stanchions. Guard wire gate in stern. Compass Silva 102B/H at companionway instrumentpanel. U-bolt for attachment of end of anchor rode. Forward 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. Handpolished.

Pulpit 25mm	1x Bow
Pushpit 25mm	1x SB stern
	1x Port stern
Chainplate	1x Forestay
	1x SB & Port shrouds
Handrail, 25mm	2x cabin rooftop
Bathing ladder	Bathing platform through bolted in anchor well aft. With frame
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. Teak-Coto laminate plywood floors 18mm. All doors and drawers have push-button locks to keep closed. 4x large pillows & 4x small pillows with Maxi logo.

SALOON

2x seat cushions starboard and 1x seat cushion port. 2x backrest cushions which can be raised for sleeping. 1x fill in cushion. Saloon table removable for racing. Flaps for ease of passage. Stainless steel legs through-bolted into structural grid and wooden floors. 4x louvered doors in lockers. 2x shelves aft of chainplate boxes. Hull cladding in ribbed mahogany. Curtains fitted in covered tracks. Detachable panels in ceiling. Solid mahogany mast trims. Fabric cover for mastsection above saloon table. Access to storage below seat cushions. Handrail in ceiling. Double berth on port when extension pulled out.

GALLEY

Stainless steel handhold. Laminate countertop in cream colour. Wood trim on countertop outer edge. Stainless steel double sink. 2x shallow drawers & 1x deep drawer. Top loaded fridge Isotherm w/ Danfoss compressor 40L. Waste bucket under sink. Sliding doors above stove. 1x hatch below stove. 1x hatch outside of stove. 2x doors under sink. Purpose made storage of service in locker.

NAVIGATION STATION

1x seat cushion. 1x chart table w/ wooden trims all around. 1x drawer and 1x door below chart table. Storage under nav seat. Hanging locker with louvered door. 1x storage behind locker door. Electrical panel on hinged door.

FORWARD CABIN

3x sleeping cushions. 1x fill-in cushion. Hull cladding in white vinyl. Blinds for skylight 600x600mm. Ceiling with combination of GRP innerliner and detachable panels. 2x opening mahogany locker door with frame. Shelves along hull sides.



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OWNERS CABIN

2x sleeping cushions. Hull cladding in white vinyl. Ceiling made of detachable panels. 2x louvered hanging locker doors. Shelves along hull side. 2x curtain on aluminium pipes. Door for easy access into engine-room. Mirror

HEADS

Shower sump discharge pump SWN 1100-12V. Wet locker aft of heads. Stainless steel sink with discharge. Toilet paper holder behind locker door. 2x hooks for clothing. Door holder for keeping heads door securely opened. 2x mugs with holder. Mirror sliding doors above toilet counter top. Mirror on door. Wooden handhold.

MAST & RIGGING

Mast is fractionally rigged with a keel stepped mast base. Seldén C175x93mm mast section made of silver anodised aluminium.

<i>Mast head:</i>	Headbox with sheaves for main halyard & topping lift, clevis pin for backstay, Windex.
<i>Hounds:</i>	Sheavebox for spinnaker halyard, Spin halyard lead, Nose for forestay, Shroud backing plate, Sheavebox for jib halyard, Sheavebox for topping lift.
<i>Spreaders:</i>	2 sets of silver anodised aluminium airfoil sectioned spreaders with spreader brackets. Sweep angle 25°.
<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 146x76mm. 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 stainless steel rigging screws.

Forestay, fork \diamond fork	6mm	Intermediate shroud, stemball \diamond swage	5mm, 5/16" rigging screw
Upper Cap shroud, eye \diamond Tterminal	7mm	Lower cap shroud, fork \diamond open	7mm, 1/2" rigging screw
Permanent backstay, eye \diamond fork	5mm	Aft lower shroud, stemball \diamond swage	7mm, 7/16" rigging screw
Backstay bridle, 7x19 strands	5mm		

RUNNING RIGGING

1x Main halyard	5mm, 12,8m 7x19 wire	12mm, 20m 16/16 rope	Shackle
1x Genoa halyard	5mm, 11m 7x19 wire	12mm 20m 16/16 rope	Snap shackle, blue ball
1x Main topping lift		8mm, 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		10mm, 8m, 16/16 rope	
1x Backstay	5mm, 5,6m 7x19 wire	10mm, 10mm 16/16 rope, + 12mm, 1.04m, 16/16 rope	
1x Mainsheet car		8mm, 11m, 16/16 rope	
1x Lazy Jacks			

BOOM VANG

Seldén rod kicker Type 10.

SAILS

All sails by ElvströmSobstad Sails.

Mainsail. 33 m ² .	Crosscut dacron 380 gr/m ² . 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. 24,5m ² .	105%. Cross cut dacron 360 gr/m ² . Sail prepared for Furlex. Vertical battens. Leech line. UV Protection. Tell-tales. Sail bag.



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ENGINE & SYSTEMS

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

ENGINE

A three-cylinder Volvo Penta MD2020 engine with a MS25S saildrive. Freshwater cooled. Teleflex Morse engine controls. Volvo Penta fuel filter. Vetus vacuum valve. Vetus muffler. Well soundproofed engine room. Folding 2-blade propeller.

FUEL SYSTEM

Fuel tank 78 L. Stainless steel. Inspection hatch in tank. Fuel feed and return hose with shut-off valves. Fuel feed for diesel heater on fuel tank. Filling cap placed in the stern well away from teak (optional in cockpit). 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 in keelsump	Discharge above waterline
Manual bilge pump 1 1/2" in owners cabin	Suction point in keelsump	Discharge below sheerline
Manual bilge pump 1" cockpit	Suction point in engine room	Discharge below sheerline

FRESHWATER

Watertank polyethylene 115L. Water level indicator on navpanel. Water distribution from top of tank to avoid leakage. Inspection hatch in tank. Pressurised freshwater pump WPS 3.4-12V. Single lever tap in galley. Single lever tap with shower hose in heads.

TOILET

Toilet bowl. Manual pump. Stainless steel septic tank 44L. Discharge overboard 50mm. Deck suction point 38mm. Ventilation hose. Vacuum valve for toilet seawater intake. Hook for placing seal on toilet discharge valve. Sanitary hose.

NAVIGATION LIGHTS AND INTERIOR LIGHTS All navigation lights comply with COLREG 1972.

Navlight	1x Lantern stern, white	1x Lantern bow, red&green	1x Lantern mast, white
Reading lamp, chrome	4x saloon	2x aft cabin	2x forward cabin
Reading lamp, black flexible	1x navtable		
Ceiling light	4x saloon	1x forward cabin	1x owners cabin
Locker light	1x SB locker	1x port aft locker	1x cockpit locker
Light switch, chrome	1x saloon	1x forward cabin	1x owners cabin

ELECTRICAL SYSTEM

12Volt electrical system. 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	1x navpanel	1x cockpit	1x heads

Main circuit breaker panel placed at companionway:

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

Battery charging by 60Amp generator on the engine. Volvo Penta electronic battery charging regulator.

DELIVERY

Decal for lifting slings	Toolbag
Boat hook, telescopic	Brush with telescopic handle
Document Bag containing complete set of instruction manuals.	

SAFETY

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

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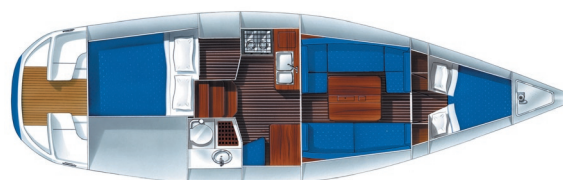
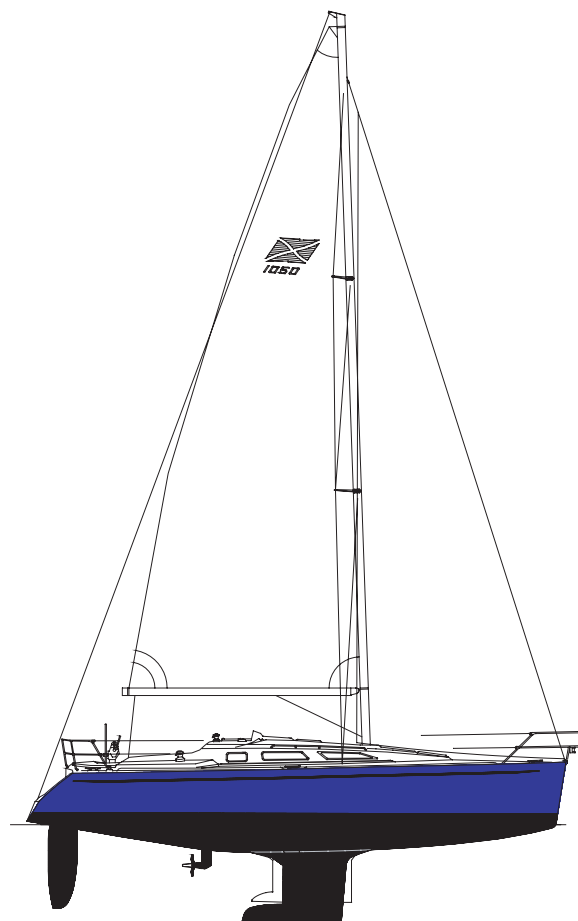
BOAT DATA

LOA	10,55 m	34' 7"
LWL	9,38 m	30' 8"
BOA	3,25 m	10' 8"
DRAFT	1,87 m	6' 2"
KEEL	1770 kg	3907 lbs
DISPL	4950 kg	10927 lbs
MAINSAIL	33,0 m ²	355 ft ²
GENOA	36,1 m ²	389 ft ²
SPIN	81,9 m ²	882 ft ²
I	13,145 m	43' 1"
J	3,680 m	12' 1"
P	12,600 m	41' 4"
E	4,400 m	14' 5"

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



CE & DNV CERTIFICATION
Maxi 1050 is certified by Det Norske Veritas
CE Design Category: "A – OCEAN "



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