



ENAVIGO
COMPOSITE YACHTS

36DS



Enavigo 36DS - *Designers comment*

The Enavigo 36 Day Sailer is a product of modern yacht design and the latest boatbuilding technologies. Combining high tech materials with traditional yachtbuilding skills produces a blend of racing boat performance with classic yacht aesthetic values. The plumb bow, moderate beam, classic but hydrodynamically efficient stern profile, perfectly balanced volume distribution and maximized dynamic waterline length guarantee optimum sailing trim and speed.

Appendages

The T keel combines a very low CG with efficient high aspect ratio foil. Together with the efficient spade rudder this makes the yacht stable and easy to handle in all sailing conditions.

Sail Plan

High aspect rig with backswept spreaders and fixed bowsprit combine performance and safety, the fully battened main, self-tacking furling jib and the furling reacher are easy to handle even shorthanded, an all-round runner gennaker boosts downwind performance when needed.

Deck

A clean foredeck, low profile deck house, large cockpit offering protection with plenty of room, generously sized and ergonomically positioned deck hardware combine to make both cruising and racing a sailing pleasure.

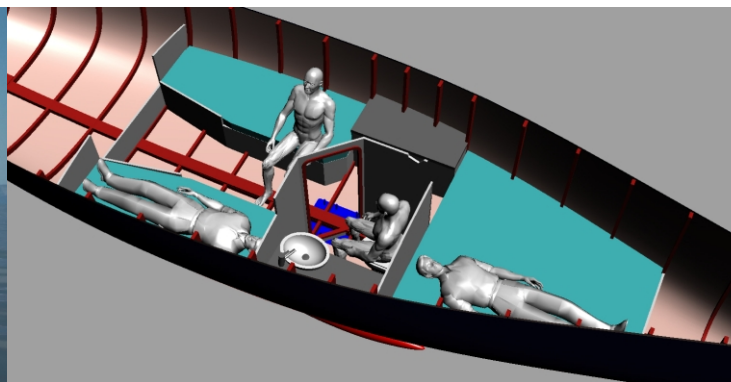
Accommodation

A very minimalistic layout combines a huge V berth/ sail storage area forward, a roomy fully equipped head and large fridge (optional galley) in the centre and twin extra large berths aft. The bow anchor & rope locker and stern sail lockers have access from the deck.

36DS

Optimum Upwind Numbers for Ops_Upwind						
TWS	TWA	Vs	Vmg	Heel	Reef/Twist	
4.0	45.3	3.951	2.782	3.8	1.000	
5.0	44.2	4.781	3.430	5.8	1.000	
6.0	43.1	5.473	3.994	8.4	1.000	
7.0	41.4	5.965	4.472	11.6	1.000	
8.0	39.3	6.190	4.791	15.8	1.000	
9.0	38.3	6.338	4.976	17.5	1.000	
10.0	37.9	6.485	5.115	18.4	1.000	
12.0	37.7	6.701	5.304	19.3	0.959	
14.0	37.4	6.839	5.430	19.4	0.876	
16.0	37.3	6.930	5.512	19.6	0.810	
20.0	37.7	7.054	5.583	20.0	0.706	
25.0	39.0	7.144	5.553	20.7	0.610	
30.0	41.5	7.209	5.398	21.2	0.487	
35.0	43.9	7.191	5.184	22.5	0.442	

Optimum Downwind Numbers for Ops_Down						
TWS	TWA	Vs	Vmg	Heel	Reef/Twist	
4.0	135.8	4.224	-3.028	1.1	1.000	
5.0	137.7	5.037	-3.723	1.5	1.000	
6.0	138.9	5.773	-4.350	1.9	1.000	
7.0	142.6	6.158	-4.892	1.8	1.000	
8.0	143.9	6.651	-5.376	2.0	1.000	
9.0	147.6	6.902	-5.827	1.9	1.000	
10.0	150.9	7.133	-6.231	1.8	1.000	
12.0	151.7	7.896	-6.955	2.3	1.000	
14.0	151.5	8.723	-7.665	3.2	1.000	
16.0	142.3	10.953	-8.669	8.0	1.000	
20.0	145.1	13.664	-11.209	11.2	1.000	
25.0	150.2	16.453	-14.282	13.1	1.000	
30.0	154.4	19.047	-17.176	14.5	1.000	
35.0	158.4	21.468	-19.955	15.3	1.000	

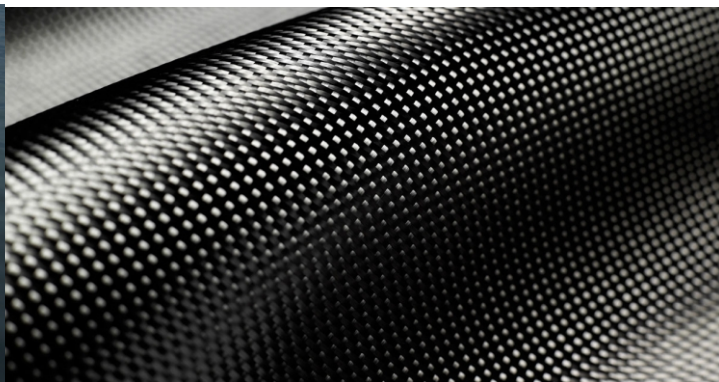


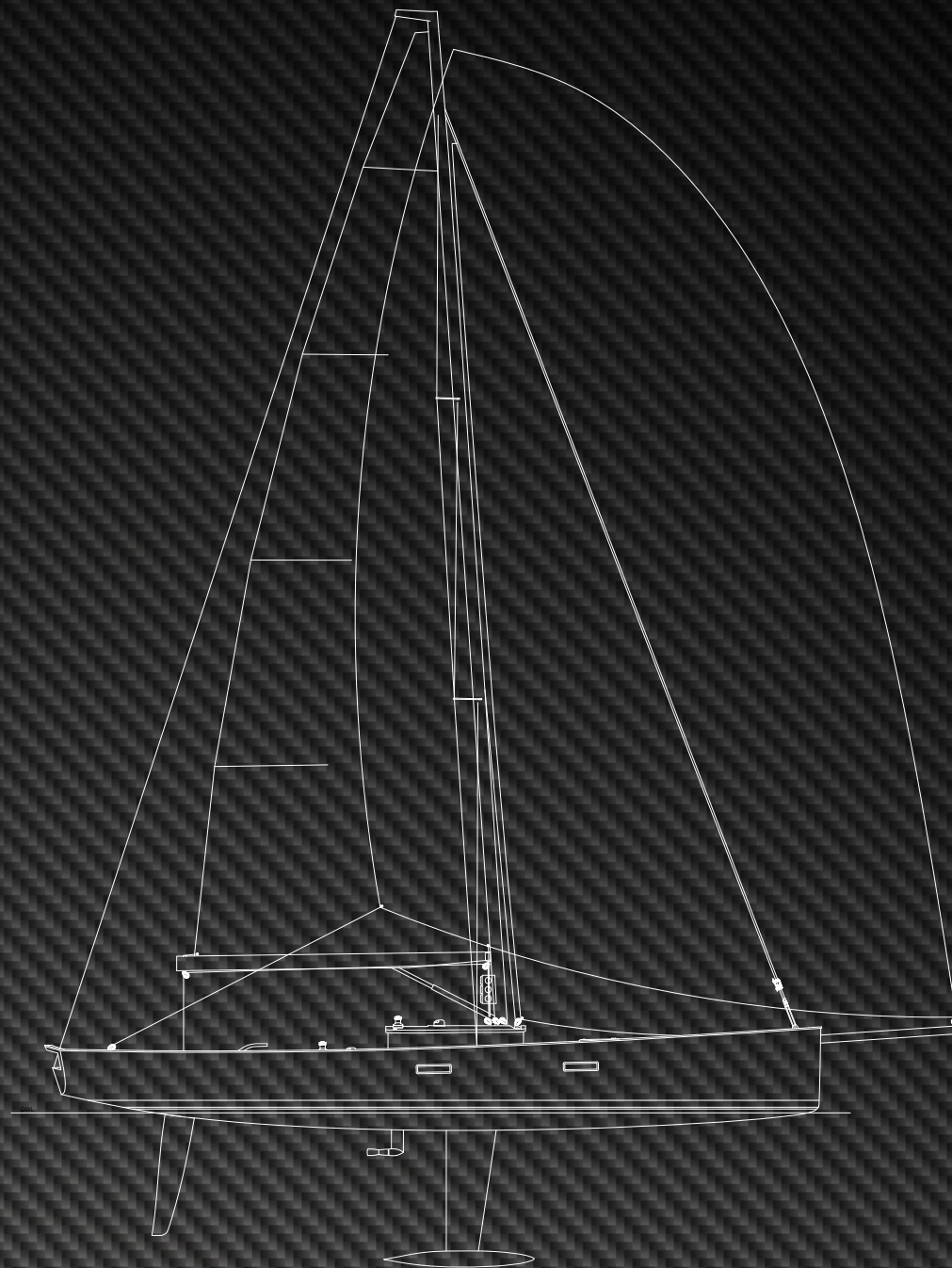
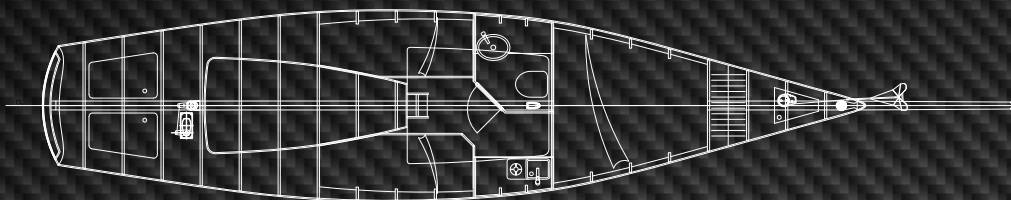
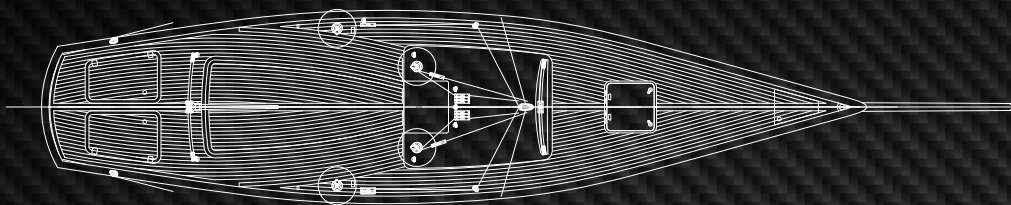
Enavigo 36DS - *Construction*

- Hull** built in sandwich construction of carbon fibres and red cedar core all laminated with epoxy resin in vacuum conditions
- Structure** built in sandwich construction of carbon fibres and PVC core all laminated with epoxy resin in vacuum conditions, UD carbon capping and chainplates
- Deck** sandwich construction of carbon fibres and PVC core all laminated with epoxy resin in vacuum conditions-local UD carbon reinforcements
- Rig** carbon fibre mast and bowsprit offer a stable and easy to trim platform for the generous sail plan
- Rudder** built in carbon-epoxy post cured at high temperature
- Keel** SS structure, glass epoxy foil, Pb-Sb bulb

Enavigo 36DS - *Equipment*

- Hardware** tracks and cars Harken midrange, clutches Spinlock, winches; primary: 2x self tailing 40.2STA, utility: 2x self tailing 35.2STA, deflectors and thimbles Kohlhof (or similar), blocks Harken black magic (or similar)
- Engine** Yanmar 2YM15C SD20 10.3 kW (optional Oceanvolt electric propulsion SD 8.6)
- Interior** 6 berths, central navigation console, mini galley and WC, water tank 100 l





Main Characteristics:

LOA=10990
LWL=10485
Bmax=2580
Draft=2200
Dspl-light=2500kg
Keel=1020kg
Crew=400kg
RM@30°light=19944Nm
RM@30°crew=24194Nm
CPW=2405

Sails:

I=13380
J=4140
P=13200
E=4240
Igen=14304
G 80%=21m²
G 105%=27m²
Main=34m²
SPL=6393
Gennaker=95m²