

APH: **564.4** CDL: **8.910**

GPH: **638.7** CertNo:

BOAT

Class **First Class 10**
Designer **Finot/Fauroux**
Builder **Beneteau**
Age date **12/1984**
Series date **12/1984**
Offset file **H160.BOF**
Data file

HULL

Length Overall **10.399 m**
Maximum Beam **3.064 m**
Draft **1.841 m**
Displacement **3,479 kg**
DLR **4.4596**
IMS Division **Performance**
Dynamic Allowance **0.181%**
Age Allowance **0.487%**

PROPELLER

Installation **Shaft exposed**
Type **Folding 2 blades**
Diameter **0.357m**

CREW

Maximum weight **612 kg**
Minimum weight **459 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	30.20	30.77
Headsail Luffed	20.75	20.75
Headsail Flying		
Symmetric	73.30	73.30
Asymmetric		

STORM SAIL AREAS (m²)

Trysail **8.96**
Storm Jib **6.62**
Heavy Weather Jib **17.86**

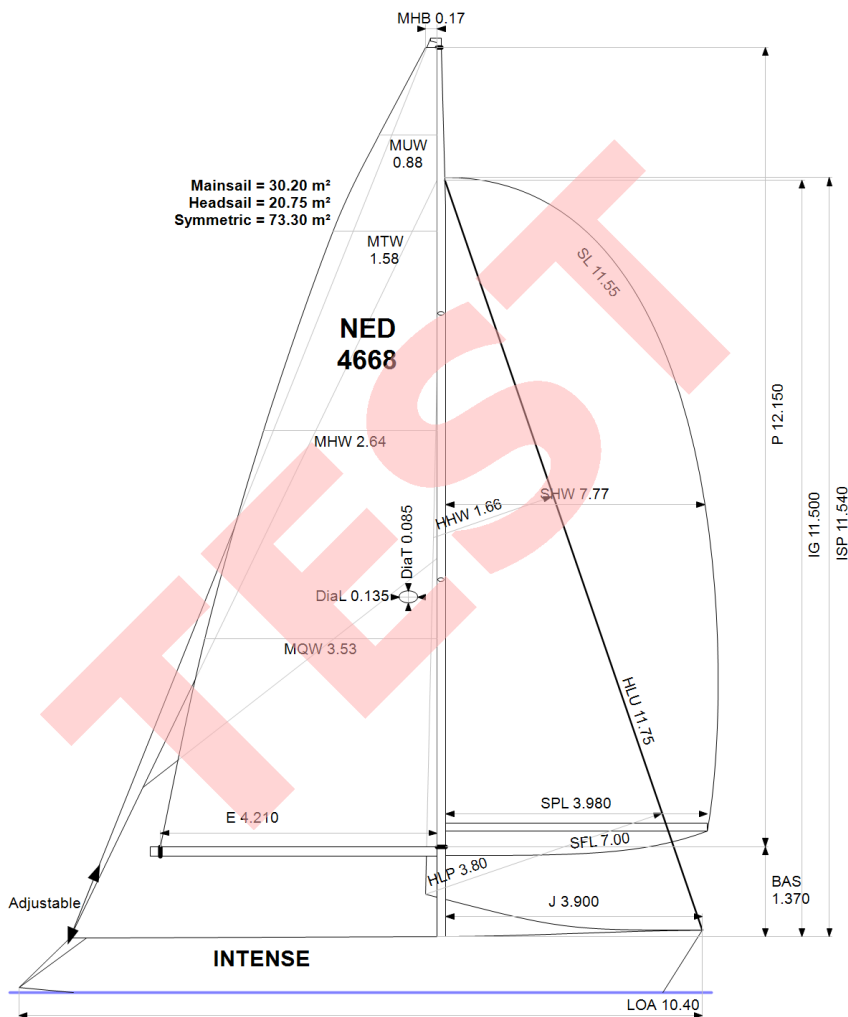
SAIL LIMITS

Headsails **5**
Spinnakers **4**

STABILITY

Righting Moment **79.3 kg·m**
Stability Index **N/A**

The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	44.2°	42.3°	40.8°	38.8°	38.2°	37.6°	37.2°
Beat VMG	3.21	3.95	4.54	4.97	5.15	5.24	5.33
52°	4.95	5.96	6.66	7.03	7.21	7.30	7.36
60°	5.24	6.27	6.86	7.19	7.41	7.54	7.65
75°	5.44	6.48	7.01	7.34	7.65	7.94	8.23
90°	5.51	6.65	7.23	7.53	7.73	8.09	8.78
110°	5.54	6.74	7.34	7.84	8.34	8.70	9.27
120°	5.36	6.58	7.24	7.74	8.31	8.92	9.89
135°	4.80	5.96	6.89	7.39	7.89	8.46	9.88
150°	3.94	5.03	6.07	6.91	7.38	7.84	8.93
Run VMG	3.41	4.36	5.25	6.07	6.66	7.16	8.01
Gybe Angles	136.7°	148.7°	147.5°	156.5°	167.6°	177.2°	175.4°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1119.9	910.3	792.9	724.2	698.6	687.0	675.8
52°	727.9	604.0	540.6	512.3	499.2	493.5	489.3
60°	687.2	574.6	524.5	500.7	485.7	477.5	470.7
75°	661.6	555.7	513.3	490.6	470.6	453.6	437.2
90°	653.6	541.3	498.0	478.1	465.8	445.0	409.9
110°	649.7	534.3	490.7	459.4	431.8	414.0	388.3
120°	671.4	547.4	497.3	465.1	433.3	403.8	364.0
135°	750.6	604.0	522.6	487.3	456.4	425.5	364.4
150°	913.6	715.1	593.4	520.7	488.0	459.4	403.0
Run VMG	1054.9	825.8	685.2	593.2	540.2	502.8	449.2
Selected Courses							
Windward / Leeward	1087.4	868.0	739.1	658.7	619.4	594.9	562.5
All purpose	828.6	671.3	588.7	541.2	514.7	495.1	465.8

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	698.1	0.8595
All purpose	564.4	1.0630

Custom scoring options for Netherlands

Single Number	Time On Time
Triple Number Coastal/Long Distance Low	0.8001
Triple Number Coastal/Long Distance Medium	1.0690
Triple Number Coastal/Long Distance High	1.2269
Triple Number Windward/Leeward Low	0.6137
Triple Number Windward/Leeward Medium	0.8657
Triple Number Windward/Leeward High	1.0189
Coastal/Long Distance	0.9728
Predominantly Upwind	0.9774
Predominantly Downwind	1.0431

Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	First Class 10	LOA	10.399	VCGD	-0.175
Measurement	04/10/1991	Max. Beam	3.064	VCGM	0.060
HIN		Draft	1.841	RM Measured (kg·m)	79.3
Plan review		Displacement	3,479	RM Default (kg·m)	79.3
Hull construction	Solid	Wetted area	21.03	Limit of positive stability(°)	N/A
Aramid Hull Core	No	IMS L	9.318	Stability Index	N/A
Carbon Rudder	No	LSM0	9.205		
Light stanchions	No	Acc. length	9.958		
Trim tab	No	Sink (kg/mm)	15.76		

PROPELLER

Propeller Type	Folding 2 blades						
Installation	Shaft exposed	PRD	0.357	PSD	PSA	ST1	ST4
Twin screw	No	PBW		PHD	ESL	ST2	ST5
Hydro generator	No	PIPA	0.0012	PHL		ST3	

RIG

Forestay tension	Aft	P	12.150	E	4.210
Inner stay	None Fitted	IG	11.500	J	3.900
Carbon mast	No	ISP	11.540	BAS	1.370
Headsail furler	No	MDT1	0.085	FSD	Foil
Mainsail furler	No	MDL1	0.135	SFJ	0.000
Articulated bowsprit	No	MDT2		SPL	3.980
Non-circular rigging	No	MDL2		WPL	
Fiber rigging	No	TL	Taper	TPS	4.650
Runners/Checkstays	2	MW		BD	
Spreaders	2	GO		MWT	
				MCG	

FLOTATION AND STABILITY

Calculation method	VCG estimated	SFFP	0.483	SAFP	9.368
Flotation Date	02/05/2022	FFM		FAM	
Measurer		FF	0.939	FA	0.824
Comment		LCFcl	5.651	LCFsh	5.851
		SG	1.0000	HBI	0.848



MAINSAIL

<i>Id</i>	<i>MHB</i>	<i>MUW</i>	<i>MTW</i>	<i>MHW</i>	<i>MQW</i>	<i>Area Meas.Date</i>	<i>Maker</i>	<i>Material</i>	<i>Comment</i>
1	0.17	0.88	1.58	2.64	3.53	30.20 09/07/2015		Unknown	

HEADSAIL

<i>Id</i>	<i>HHB</i>	<i>HUW</i>	<i>HTW</i>	<i>HHW</i>	<i>HQW</i>	<i>HLP</i>	<i>HLU</i>	<i>Btn</i>	<i>Flying</i>	<i>FT</i>	<i>Area Meas.Date</i>	<i>Maker</i>	<i>Material</i>	<i>Comment</i>
1	0.08	0.39	0.76	1.66	2.66	3.80	11.75	Yes	No		20.75		Unknown	

SYMMETRIC SPINNAKER

<i>Id</i>	<i>SLU</i>	<i>SLE</i>	<i>SL</i>	<i>SHW</i>	<i>SFL</i>	<i>Area Meas.Date</i>	<i>Maker</i>	<i>Material</i>	<i>Comment</i>
ORC	11.55	11.55	11.55	7.77	7.00	73.30		Nylon	* Copied from legacy *