

APH: **611.3**

CDL: **7.806**

GPH: **688.9**

CertNo:

BOAT

Class **Sun Fast 32**
Designer **Briand**
Builder **Jeaneau**
Age date **01/1998**
Series date **01/1994**
Offset file **f065.bof**
Data file

HULL

Length Overall **9.344 m**
Maximum Beam **3.278 m**
Draft **1.983 m**
Displacement **4,020 kg**
DLR **7.7570**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.340%**
Age Allowance **0.487%**

PROPELLER

Installation **Shaft exposed**
Type **Folding 2 blades**
Diameter **0.350m**

CREW

Maximum weight **504 kg**
Minimum weight **378 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	24.61	25.04
Headsail Luffed	19.91	19.91
Headsail Flying		
Symmetric	57.07	57.07
Asymmetric		

STORM SAIL AREAS (m²)

Trysail	7.29
Storm Jib	7.15
Heavy Weather Jib	19.28

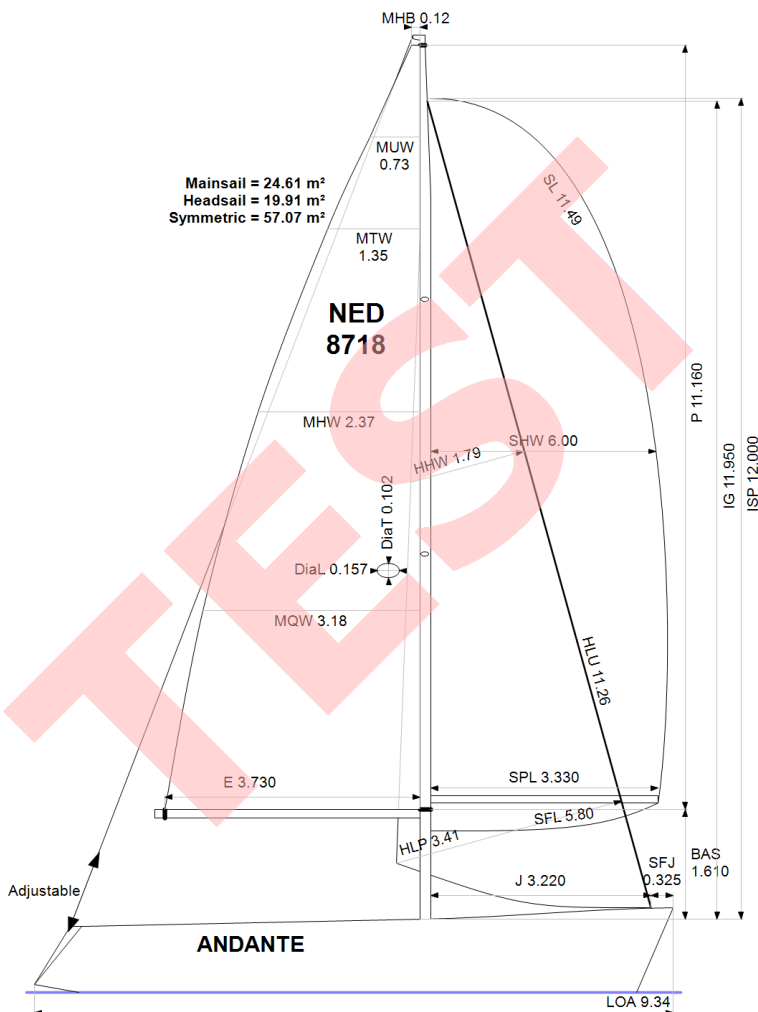
SAIL LIMITS

Headsails	5
Spinnakers	4

STABILITY

Righting Moment	N/A
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	43.2°	41.2°	39.9°	38.4°	37.2°	37.2°	37.6°
Beat VMG	3.07	3.75	4.24	4.60	4.81	4.90	4.93
52°	4.66	5.56	6.13	6.47	6.68	6.79	6.87
60°	4.90	5.80	6.32	6.62	6.82	6.95	7.07
75°	5.04	5.95	6.46	6.75	6.97	7.15	7.40
90°	5.09	6.10	6.65	6.96	7.16	7.28	7.59
110°	5.12	6.17	6.72	7.07	7.38	7.66	8.08
120°	4.94	6.01	6.63	7.00	7.32	7.64	8.28
135°	4.43	5.49	6.29	6.75	7.09	7.41	8.11
150°	3.75	4.81	5.69	6.36	6.77	7.09	7.70
Run VMG	3.25	4.16	4.95	5.63	6.21	6.65	7.25
Gybe Angles	146.0°	150.2°	153.8°	160.0°	173.6°	179.0°	179.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1171.5	959.9	849.5	781.9	747.8	734.7	729.8
52°	771.8	647.1	586.8	556.2	539.3	530.2	524.4
60°	734.6	621.2	570.0	544.0	527.9	517.7	509.1
75°	713.8	605.1	557.7	533.4	516.7	503.4	486.3
90°	707.2	590.4	541.5	517.4	502.7	494.8	474.3
110°	703.2	583.8	535.5	508.9	487.7	469.9	445.3
120°	728.3	599.3	543.0	514.1	491.7	471.5	434.8
135°	813.3	655.2	572.8	533.2	507.9	485.8	444.1
150°	959.8	748.8	632.2	566.1	531.4	507.8	467.3
Run VMG	1108.3	864.5	727.3	639.8	579.8	541.5	496.2
Selected Courses							
Windward / Leeward	1139.9	912.2	788.4	710.9	663.8	638.1	613.0
All purpose	879.0	716.6	634.9	587.9	560.1	543.1	520.8

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	746.4	0.8039
All purpose	611.3	0.9815

Custom scoring options for Netherlands

Scoring Option	Time On Time
Triple Number Coastal/Long Distance Low	0.7521
Triple Number Coastal/Long Distance Medium	0.9879
Triple Number Coastal/Long Distance High	1.1133
Triple Number Windward/Leeward Low	0.5848
Triple Number Windward/Leeward Medium	0.8089
Triple Number Windward/Leeward High	0.9447
Coastal/Long Distance	0.9026
Predominantly Upwind	0.9082
Predominantly Downwind	0.9649



Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	Sun Fast 32	LOA	9.344	VCGD	-0.064
Measurement	11/04/2021	Max. Beam	3.278	VCGM	0.021
HIN		Draft	1.983	RM Rated (kg-m)	80.9
Plan review		Displacement	4,020	Limit of positive stability(°)	N/A
Hull construction	Solid	Wetted area	20.12	Stability Index	N/A
Carbon Rudder	No	IMS L	8.318		
Light stanchions	No	LSM0	8.032		
Trim tab	No	Acc. length	9.344		
		Sink (kg/mm)	14.77		

PROPELLER

Propeller Type	Folding 2 blades						
Installation	Shaft exposed	PRD	0.350	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	11.160	E	3.730
Inner stay	None Fitted	IG	11.950	J	3.220
Carbon mast	No	ISP	12.000	BAS	1.610
Headsail furler	No	MDT1	0.102	FSD	Foil
Mainsail furler	No	MDL1	0.157	SFJ	0.325
Articulated bowsprit	No	MDT2		SPL	3.330
Non-circular rigging	No	MDL2		WPL	
Fiber rigging	No	TL	Taper	TPS	
Runners/Checkstays	0	MW		BD	
Spreaders	2	GO		MWT	
Rotating mast	No			MCG	

FLOTATION AND STABILITY

Calculation method	RM estimated	SFFP	0.459	SAFP	8.645
Flotation Date	13/04/2022	FFM	1.222	FAM	0.923
Measurer		FF	1.227	FA	0.935
Comment		LCFcl	5.192	LCFsh	5.436
		SG	1.0000	HBI	1.069

INVENTORY

OTHER ITEMS	Id	Kind	Description	Weight	LCG	VCG
	SaS		Deductible Sailor Services	34	6.90	0.00
			<i>Total deductible</i>	34	6.90	0.00



MAINSAIL

<i>Id</i>	<i>MHB</i>	<i>MUW</i>	<i>MTW</i>	<i>MHW</i>	<i>MQW</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
1	0.12	0.73	1.35	2.37	3.18	24.61	18/02/2016	

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 FT</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
3	0.08	0.49	0.95	1.79	2.63	3.41	11.26	Yes	No	19.91	04/11/2017	

SYMMETRIC SPINNAKER

<i>Id</i>	<i>SLU</i>	<i>SLE</i>	<i>SL</i>	<i>SHW</i>	<i>SFL</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
2	11.49	11.49	11.49	6.00	5.80	57.07		
1	11.30	11.30	11.30	5.77	5.56	53.94	18/02/2016	