

APH ToD: **611.3**

CDL: **7.825**

APH ToT: **0.9816**

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 (default)**  
Minimum weight **374 kg \*when applied**  
Non Manual Power **No**  
Crew Arm Extension

**SAIL AREAS (m²)**

	Measured	Rated
Mainsail	<b>24.81</b>	<b>25.20</b>
Headsail Luffed	<b>19.91</b>	<b>19.91</b>
Headsail Flying		
Symmetric	<b>57.07</b>	<b>57.07</b>
Asymmetric		

**STORM SAIL AREAS (m²)**

Trysail	<b>7.56</b>
Storm Jib	<b>7.15</b>
Heavy Weather Jib	<b>19.28</b>

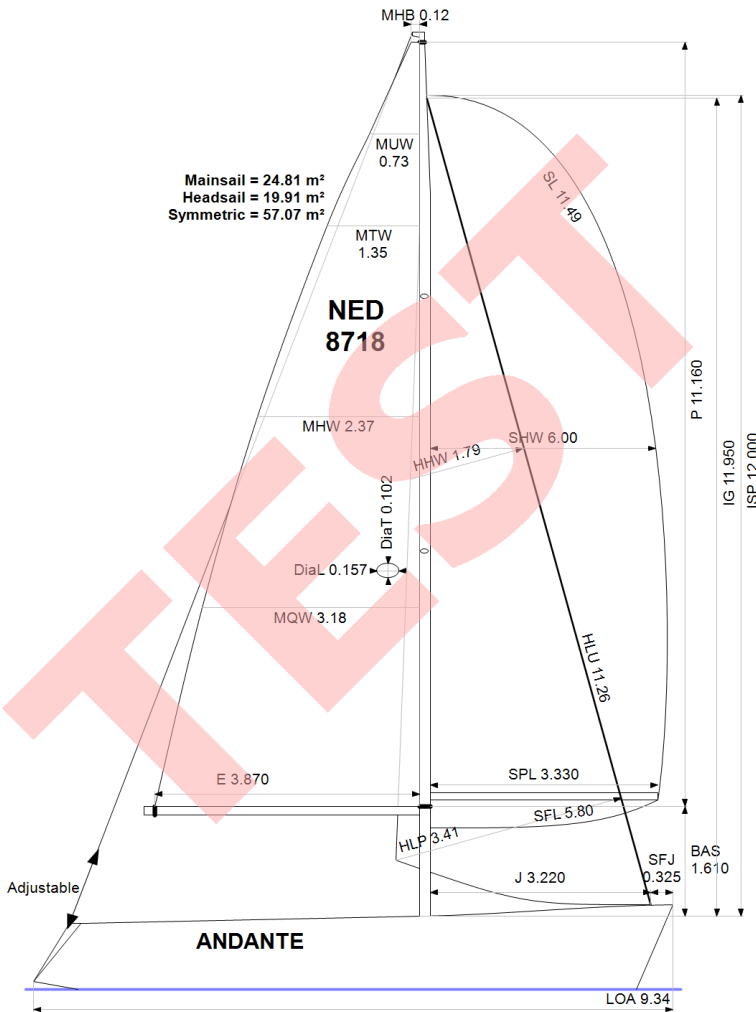
**SAIL LIMITS**

Headsails	<b>5</b>
Spinnakers	<b>4</b>

**STABILITY**

Righting Moment	<b>N/A</b>
Stability Index	<b>N/A</b>

*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	24 kt
Beat Angles	43.1°	41.2°	39.9°	38.4°	37.1°	37.0°	37.2°	38.3°
Beat VMG	3.07	3.75	4.24	4.61	4.83	4.93	4.98	4.92
52°	4.66	5.56	6.13	6.47	6.68	6.80	6.89	6.89
60°	4.90	5.79	6.31	6.62	6.82	6.96	7.08	7.11
75°	5.04	5.95	6.46	6.75	6.97	7.15	7.41	7.51
90°	5.09	6.10	6.65	6.96	7.16	7.28	7.59	7.87
110°	5.12	6.17	6.72	7.07	7.38	7.66	8.08	8.36
120°	4.94	6.01	6.63	7.00	7.32	7.63	8.27	8.86
135°	4.42	5.49	6.28	6.75	7.08	7.40	8.09	8.97
150°	3.75	4.80	5.69	6.35	6.77	7.08	7.69	8.40
Run VMG	3.24	4.16	4.94	5.62	6.20	6.64	7.24	7.82
Gybe Angles	145.3°	149.8°	153.2°	159.4°	173.6°	178.1°	179.0°	178.6°

Time Allowances in secs/NM								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat VMG	1172.4	960.7	850.0	781.5	745.4	730.5	723.1	732.3
52°	772.4	647.5	587.0	556.1	538.8	529.3	522.9	522.7
60°	735.1	621.4	570.1	544.0	527.7	517.2	508.2	506.1
75°	714.0	605.0	557.6	533.3	516.6	503.2	485.9	479.1
90°	706.8	590.1	541.3	517.3	502.5	494.6	474.3	457.3
110°	703.2	583.8	535.5	509.0	487.9	470.0	445.5	430.9
120°	728.4	599.4	543.0	514.3	492.0	471.9	435.3	406.2
135°	813.8	655.8	573.0	533.3	508.1	486.2	444.9	401.4
150°	961.1	749.8	633.1	566.6	531.7	508.2	468.0	428.6
Run VMG	1109.8	865.8	728.5	640.9	580.9	542.3	497.0	460.1
Selected Courses								
Windward / Leeward	1141.1	913.2	789.3	711.2	663.1	636.4	610.1	596.2
All purpose	879.6	717.1	635.2	588.0	559.7	542.2	519.4	504.2

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	746.4	0.8039
All purpose	611.3	0.9816

### Custom scoring options for Netherlands

Scoring Option	Time On Time
Triple Number Coastal/Long Distance Low	0.7516
Triple Number Coastal/Long Distance Medium	0.9878
Triple Number Coastal/Long Distance High	1.1152
Triple Number Windward/Leeward Low	0.5841
Triple Number Windward/Leeward Medium	0.8086
Triple Number Windward/Leeward High	0.9476
Coastal/Long Distance	0.9025
Predominantly Upwind	0.9085
Predominantly Downwind	0.9642

### For information

General Purpose Handicap (GPH)	688.9
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Data in meters/kilograms (Metric)

**HULL AND APPENDAGES (Lightship Trim)**

Class	<b>Sun Fast 32</b>	LOA	<b>9.344</b>	VCGD	<b>-0.076</b>
Measurement	<b>11/04/2021</b>	Max. Beam	<b>3.278</b>	VCGM	<b>0.009</b>
HIN		Draft	<b>1.983</b>	RM Rated (kg·m)	<b>81.8</b>
Plan review		Displacement	<b>4,020</b>	Limit of positive stability(°)	<b>N/A</b>
Hull construction	<b>Solid</b>	Wetted area	<b>20.12</b>	Stability Index	<b>N/A</b>
Carbon Rudder	<b>No</b>	IMS L	<b>8.347</b>	Default crew weight	<b>504</b>
Light stanchions	<b>No</b>	LSM0	<b>8.032</b>	Declared crew weight	<b>N/A</b>
Trim tab	<b>No</b>	Acc. length	<b>9.344</b>		
		Sink (kg/mm)	<b>14.77</b>		

**PROPELLER**

Propeller Type	<b>Folding 2 blades</b>					
Installation	<b>Shaft exposed</b>	PRD	<b>0.350</b>	PSD	PSA	ST1 ST4
Twin screw	<b>No</b>	PBW		PHD	ESL	ST2 ST5
Hydro generator	<b>No</b>	PIPA	<b>0.0012</b>	PHL		ST3

**RIG**

Forestay tension	<b>Aft</b>	P	<b>11.160</b>	E	<b>3.870</b>
Inner stay	<b>None Fitted</b>	IG	<b>11.950</b>	J	<b>3.220</b>
Mast material	<b>Aluminum</b>	ISP	<b>12.000</b>	BAS	<b>1.610</b>
Single headsail furler	<b>No</b>	MDT1	<b>0.102</b>	FSD	<b>Foil</b>
Mainsail furler	<b>No</b>	MDL1	<b>0.157</b>	SFJ	<b>0.325</b>
Articulated bowsprit	<b>No</b>	MDT2		SPL	<b>3.330</b>
Non-circular rigging	<b>No</b>	MDL2		WPL	
Fiber rigging	<b>No</b>	TL	<b>Taper</b>	TPS	
Adjustable mast foot	<b>No</b>	MW		BD	
Runners/Checkstays	<b>0</b>	GO		MWT	
Spreaders	<b>2</b>			MCG	
Rotating mast	<b>No</b>				

**FLOTATION AND STABILITY**

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

**INVENTORY**

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



**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	24.81	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	

**CRUISER/RACER REQUIREMENTS\***

Accommodation length	<b>9.3 m</b>	Table area	<b>0.44 m<sup>2</sup></b>	Headroom	<b>1.65 m</b>
Minimum number of berths	<b>4</b>	Personal gear stowage	<b>0.16 m<sup>3</sup></b>	Fresh water capacity	<b>66 l</b>
Minimum number of seats in cockpit	<b>4</b>	Food stowage	<b>0.24 m<sup>3</sup></b>	Fuel capacity	<b>36 l</b>

\*This list refers to the calculated requirements. See IMS Appendix 1 for the complete list of requirements.