

APH: **652.0** CDL: **7.649**

GPH: **743.3** CertNo: **00402**

#### BOAT

Class **SUNRISE 35**  
Designer **J.FAUROUX**  
Builder **JEANNEAU**  
Age date **01/1986**  
Series date **01/1985**  
Offset file **H007.BOF**  
Data file

#### HULL

Length Overall **10.045 m**  
Maximum Beam **3.504 m**  
Draft **1.820 m**  
Displacement **4,853 kg**  
DLR **7.1914**  
IMS Division **Cruiser/Racer**  
Dynamic Allowance **0.339%**  
Age Allowance **0.487%**

#### PROPELLER

Installation **Shaft exposed**  
Type **Solid 3 blades**  
Diameter **0.430m**

#### CREW

Maximum weight **571 kg**  
Minimum weight **428 kg** \* when applied  
Non Manual Power **No**  
Crew Arm Extension

#### SAIL AREAS (m<sup>2</sup>)

	Measured	Rated
Mainsail	<b>24.37</b>	<b>24.75</b>
Headsail Luffed	<b>35.71</b>	<b>35.71</b>
Headsail Flying		

Symmetric  
Asymmetric

#### STORM SAIL AREAS (m<sup>2</sup>)

Trysail **6.91**  
Storm Jib **8.67**  
Heavy Weather Jib **23.39**

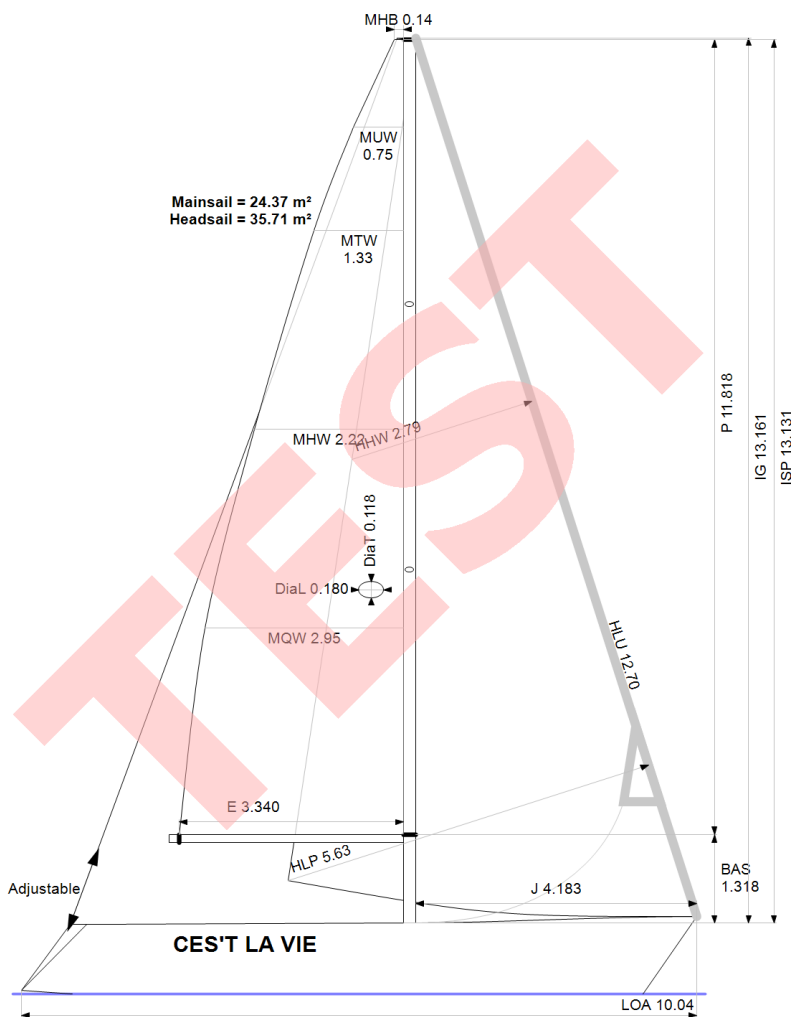
#### SAIL LIMITS

Headsails **1** \* Woven polyester sails  
Spinnakers **0** \* Spinnaker pole aboard

#### STABILITY

Righting Moment **99.0 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	45.0°	43.0°	42.4°	42.0°	40.5°	39.9°	39.9°
Beat VMG	2.80	3.45	3.95	4.38	4.64	4.74	4.77
52°	4.37	5.28	5.99	6.45	6.69	6.79	6.84
60°	4.67	5.59	6.28	6.65	6.86	6.98	7.05
75°	4.88	5.84	6.48	6.80	7.03	7.21	7.44
90°	4.80	5.77	6.49	6.84	7.08	7.31	7.74
110°	4.31	5.34	6.21	6.74	7.05	7.34	7.94
120°	4.10	5.13	6.00	6.62	6.96	7.25	7.87
135°	3.64	4.66	5.49	6.24	6.72	7.02	7.60
150°	3.13	4.09	4.92	5.65	6.31	6.74	7.29
Run VMG	2.71	3.55	4.32	5.00	5.65	6.24	6.96
Gybe Angles	149.6°	153.2°	160.4°	166.4°	170.0°	175.4°	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	1285.5	1043.1	911.0	821.8	775.1	759.0	754.9
52°	823.6	682.1	601.0	557.7	538.3	530.6	526.7
60°	771.1	643.9	573.7	541.6	524.8	515.6	510.3
75°	738.0	616.9	556.0	529.2	512.3	499.2	483.8
90°	749.6	624.1	555.1	526.2	508.1	492.6	465.4
110°	835.0	674.7	579.7	534.2	510.4	490.6	453.3
120°	877.3	702.1	599.9	544.1	516.9	496.5	457.4
135°	988.1	773.1	655.2	576.9	536.1	512.8	474.0
150°	1150.9	879.4	731.2	636.7	570.6	534.5	494.1
Run VMG	1329.0	1012.9	834.2	719.3	637.2	576.8	517.6
Selected Courses							
Windward / Leeward	1307.3	1028.0	872.6	770.6	706.1	667.9	636.2
All purpose	995.2	796.8	686.6	620.6	581.9	559.6	534.9

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	813.7	0.7374
All purpose	652.0	0.9202

### Custom scoring options for Netherlands

Single Number	Time On Time
Triple Number Coastal/Long Distance Low	0.6697
Triple Number Coastal/Long Distance Medium	0.9265
Triple Number Coastal/Long Distance High	1.0793
Triple Number Windward/Leeward Low	0.5139
Triple Number Windward/Leeward Medium	0.7408
Triple Number Windward/Leeward High	0.9015
Coastal/Long Distance	0.8387
Predominantly Upwind	0.8595
Predominantly Downwind	0.8825



Data in meters/kilograms (Metric)

**HULL AND APPENDAGES (Lightship Trim)**

Class	<b>SUNRISE 35</b>	LOA	<b>10.045</b>	VCGD	<b>0.093</b>
Measurement	<b>16/03/2006</b>	Max. Beam	<b>3.504</b>	VCGM	<b>0.108</b>
HIN		Draft	<b>1.820</b>	RM Measured (kg·m)	<b>99.0</b>
Plan review		Displacement	<b>4,853</b>	RM Default (kg·m)	<b>99.0</b>
Hull construction	<b>Solid</b>	Wetted area	<b>22.82</b>	Limit of positive stability(°)	<b>N/A</b>
Aramid Hull Core	<b>No</b>	IMS L	<b>8.694</b>	Stability Index	<b>N/A</b>
Carbon Rudder	<b>No</b>	LSM0	<b>8.770</b>		
Light stanchions	<b>No</b>	Acc. length	<b>10.045</b>		
Trim tab	<b>No</b>	Sink (kg/mm)	<b>16.51</b>		

**PROPELLER**

Propeller Type	<b>Solid 3 blades</b>						
Installation	<b>Shaft exposed</b>	PRD	<b>0.430</b>	PSD	PSA	ST1	ST4
Twin screw	<b>No</b>	PBW		PHD	ESL	ST2	ST5
Hydro generator	<b>No</b>	PIPA	<b>0.0230</b>	PHL		ST3	

**RIG**

Forestay tension	<b>Aft</b>	P	<b>11.818</b>	E	<b>3.340</b>
Inner stay	<b>None Fitted</b>	IG	<b>13.161</b>	J	<b>4.183</b>
Carbon mast	<b>No</b>	ISP	<b>13.131</b>	BAS	<b>1.318</b>
Headsail furler	<b>Yes</b>	MDT1	<b>0.118</b>	FSD	<b>No Foil</b>
Mainsail furler	<b>No</b>	MDL1	<b>0.180</b>	SFJ	
Articulated bowsprit	<b>No</b>	MDT2		SPL	<b>4.256</b>
Non-circular rigging	<b>No</b>	MDL2		WPL	
Fiber rigging	<b>No</b>	TL	<b>No Taper</b>	TPS	
Runners/Checkstays	<b>0</b>	MW		BD	
Spreaders	<b>2</b>	GO		MWT	
				MCG	

**FLOTATION AND STABILITY**

Calculation method	<b>VCG estimated</b>	SFFP	<b>0.341</b>	SAFP	<b>9.076</b>
Flotation Date	<b>08/04/2010</b>	FFM		FAM	
Measurer		FF	<b>1.150</b>	FA	<b>1.033</b>
Comment		LCFcl	<b>5.623</b>	LCFsh	<b>5.885</b>
		SG	<b>1.0250</b>	HBI	<b>1.051</b>

**INVENTORY**

OTHER ITEMS	<i>Id</i>	<i>Kind</i>	<i>Description</i>	<i>Weight</i>	<i>LCG</i>	<i>VCG</i>
	SaS	Deductible	Sailor Services	400	3.45	0.00
			<i>Total deductible</i>	<b>100</b>	<b>3.45</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>Maker</i>	<i>Material</i>	<i>Comment</i>
ORC	0.14	0.75	1.33	2.22	2.95	24.37			Dacron	* Copied from legacy *

**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</i>	<i>Meas.Date</i>	<i>Maker</i>	<i>Material</i>	<i>Comment</i>
GL	0.06	0.71	1.39	2.79	4.23	5.63	12.70	No	No		35.71	11/05/2018	KAKITSIS	Dacron	