

BOAT

Name **SYLVIA**
File **EST478**

Sail Nr **EST 478**
Data in **meters/kilograms**

RIG

Forestay Tension **Aft**
Inner Stay **None Fitted**
Carbon Mast **No**
Fiber Rigging **No**
Non-Circular Rigging **No**
Articulated Bowsprit **No**

Spreaders **3**
Runners/Checkstays **0**
Jib Furler **No**
Main Furler **No**

P **15.670** E **5.580** MDT1 **0.130** MW **0.234**
IG **16.460** J **5.000** MDL1 **0.234** GO **0.264**
ISP **16.570** SFJ **0.370** MDT2 **0.130** BD **0.190**
BAS **1.820** SPL **5.000** MDL2 **0.183** MWT
FSD **0.041** TPS TL **1.050** MCG

INCLINING TEST AND FREEBOARDS

Inclining Test **Current Inclining**

Flotation date **09/07/2007** SG **1.0020**

FFM **1.512** FF **1.525** SFFP **0.267**
FAM **1.122** FA **1.130** SAFF **12.253**

W1 **76.5** PD1 **297.0** WD **12.200**
W2 **76.5** PD2 **295.7** GSA **1.0**
W3 **76.5** PD3 **295.2** RSA **1.0**
W4 **76.5** PD4 **299.5** PLM **9000.0**

LCF from stem on CL / on sheer **7.358 / 7.604**
Maximum beam station from stem **7.785**
RM Measured **247.6kg·m**
RM Default **253.0kg·m**
Limit of positive stability / Stab.Index **113.7° / 120.8**
Freeboard at mast at 5.370 **1.269**

MIZZEN RIG AND SAILS

N/A

PROPELLER

Installation **Strut** PRD **0.430**
Type **Folding 2 blades** PBW **0.130**
Twin Screw **No** PIPA **0.0042**

ST1 **0.064** ST3 **0.180** ST5 **0.315**
ST2 **0.180** ST4 **0.112** EDL **2.750**

COMMENTS

MOVABLE BALLAST

N/A

CENTERBOARD

N/A

Certificate

Number **109/20**
ORC Ref **03880000M5J**
Issued On **07/07/2020**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



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SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.19	1.16	2.05	3.52	4.57	51.11				Unknown	

HEADSAILS (3)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
4	0.10	0.91	1.68	2.94	4.08	5.17	15.40	103%	43.30	No			02/07/2020		Unknown	
2	0.08	0.83	1.57	2.80	3.97	5.15	15.80	103%	43.03	No					Unknown	
1	0.12	0.76	1.42	2.52	3.76	5.26	16.00	105%	41.60	No			10/07/2008		Unknown	

SYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	15.80	15.80	15.80	8.40	8.04	109.66				Unknown	
1	15.43	15.43	15.43	8.22	7.90	104.88				Unknown	

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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MEASUREMENT INVENTORY

Measurer
Date
Comment
Internal Ballast total = 0.0

Id	Item	Weight	Distance	VCG	Description
SaS	Tools	40.0	6.34	0.00	Sailor-Services

Id	Item	Weight	Description
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MEASUREMENT INVENTORY

Id	Item	Weight	Distance	VCG	Description
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ORC Club Certificate Appendix

BOAT			
Name	SYLVIA	Certificate Number	109/20
Sail Nr	EST 478	Issued On	07/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1037.4	850.8	746.1	684.7	659.5	648.4	637.3
52°	674.3	566.5	502.2	472.7	461.0	456.5	453.4
60°	635.6	538.6	483.9	460.1	449.0	444.2	440.8
75°	606.6	516.6	471.2	450.2	437.8	429.1	420.8
90°	611.8	518.7	466.1	445.5	433.7	421.8	402.0
110°	622.5	511.4	458.8	435.5	418.3	405.1	387.9
120°	640.5	524.7	465.1	438.9	420.2	402.0	372.8
135°	711.0	575.8	496.6	456.3	434.6	416.2	377.8
150°	849.3	668.9	564.7	497.3	458.2	437.0	401.5
Run VMG	980.7	772.3	651.9	570.6	515.4	473.0	429.2
Selected Courses							
Windward / Leeward	1009.0	811.6	699.0	627.7	587.4	560.7	533.3
Circular Random	838.1	672.1	581.9	528.9	496.4	475.5	450.4
Coastal / Long Distance	1006.2	761.8	626.7	545.0	504.3	475.0	430.6
Non Spinnaker	894.6	711.8	611.1	551.1	513.8	489.5	460.2

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.5°	41.3°	40.5°	40.3°	39.4°	39.0°	38.3°
Beat VMG	3.47	4.23	4.83	5.26	5.46	5.55	5.65
52°	5.34	6.35	7.17	7.62	7.81	7.89	7.94
60°	5.66	6.68	7.44	7.82	8.02	8.10	8.17
75°	5.93	6.97	7.64	8.00	8.22	8.39	8.56
90°	5.88	6.94	7.72	8.08	8.30	8.54	8.96
110°	5.78	7.04	7.85	8.27	8.61	8.89	9.28
120°	5.62	6.86	7.74	8.20	8.57	8.96	9.66
135°	5.06	6.25	7.25	7.89	8.28	8.65	9.53
150°	4.24	5.38	6.38	7.24	7.86	8.24	8.97
Run VMG	3.67	4.66	5.52	6.31	6.99	7.61	8.39
Gybe Angles	144.0°	149.0°	151.0°	153.5°	162.0°	180.0°	180.0°