

BOAT Name Dolly Sail Nr EST427 File EST427 Data in meters/kilograms										INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 23/10/2019 SG 1.0250 VCGDe -0.200 <table border="1"> <tr> <td>FFM</td><td>1.085</td> <td>FF</td><td>1.085</td> <td>SFFP</td><td>0.500</td> </tr> <tr> <td>FAM</td><td>0.821</td> <td>FA</td><td>0.821</td> <td>SAFP</td><td>8.510</td> </tr> </table> LCF from stem on CL / on sheer 4.848 / 5.031 Maximum beam station from stem 5.006 RM Measured 57.2kg·m RM Default 45.1kg·m Limit of positive stability / Stab.Index 129.6° / 131.0 Freeboard at mast at 3.650 0.898										FFM	1.085	FF	1.085	SFFP	0.500	FAM	0.821	FA	0.821	SAFP	8.510	 ORC Offshore Racing Congress World leader in rating technology 2020 Measurements Datasheet																																											
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PROPELLER Installation Strut PRD 0.395 Type Folding 2 blades PBW 0.128 Twin Screw No PIPA 0.0006 <table border="1"> <tr> <td>ST1</td><td>ST3</td><td>ST5</td> </tr> <tr> <td>ST2</td><td>ST4</td><td>EDL</td> </tr> </table>												ST1	ST3	ST5	ST2	ST4	EDL																																																										
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SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.13	0.52	0.90	1.58	2.12	13.49										
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.05	0.55	1.12	2.41	3.77	5.17	10.13	142%	25.17		No					
2	0.05	0.57	1.14	2.37	3.67	5.09	10.20	139%	24.95		No					Unknow
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	10.53	10.53	10.53	5.90	5.87	51.72										
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

2020

ORC Club Certificate Appendix

BOAT			
Name	Dolly	Certificate Number	057/20
Sail Nr	EST427	Issued On	11/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1325.1	1108.6	982.8	892.2	837.8	813.5	809.3
52°	859.4	726.8	647.9	608.4	587.9	576.4	570.9
60°	811.2	685.4	621.1	591.8	574.1	561.8	552.4
75°	778.5	658.1	603.9	579.0	561.5	546.5	525.0
90°	787.7	651.3	589.1	562.1	547.9	539.4	513.1
110°	769.7	634.5	580.4	551.8	527.0	506.1	484.5
120°	790.3	648.8	586.3	556.1	530.0	506.0	470.5
135°	860.1	702.7	611.8	573.0	546.7	521.6	479.1
150°	992.0	794.0	676.4	605.0	571.8	547.6	502.9
Run VMG	1145.5	915.8	778.0	684.0	617.1	580.1	533.3
Selected Courses							
Windward / Leeward	1235.3	1012.2	880.4	788.1	727.5	696.8	671.3
Circular Random	1047.0	843.0	732.0	666.2	625.2	598.7	567.6
Coastal / Long Distance	1226.3	948.7	790.5	689.4	634.1	597.3	542.9
Non Spinnaker	1114.3	891.2	768.1	694.2	647.6	617.3	582.1

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	44.3°	42.8°	42.8°	41.6°	40.1°	39.4°	39.6°
Beat VMG	2.72	3.25	3.66	4.03	4.30	4.43	4.45
52°	4.19	4.95	5.56	5.92	6.12	6.25	6.31
60°	4.44	5.25	5.80	6.08	6.27	6.41	6.52
75°	4.62	5.47	5.96	6.22	6.41	6.59	6.86
90°	4.57	5.53	6.11	6.40	6.57	6.67	7.02
110°	4.68	5.67	6.20	6.52	6.83	7.11	7.43
120°	4.56	5.55	6.14	6.47	6.79	7.12	7.65
135°	4.19	5.12	5.88	6.28	6.58	6.90	7.51
150°	3.63	4.53	5.32	5.95	6.30	6.57	7.16
Run VMG	3.14	3.93	4.63	5.26	5.83	6.21	6.75
Gybe Angles	148.0°	152.0°	153.0°	160.5°	180.0°	180.0°	180.0°