



Purje 8
1911, Tallinn
Estonia

Issued On **5/14/2020**
ORC Ref **0358000015J**
VPP Ver. **2020 1.01**
Valid until **31/12/2020**

Default	850kg
Maximum	600kg
Minimum*	450kg

Non Manual Pwr	No
----------------	----

	ToD	ToT
Non Spin GPH	637.5	0.9412
Non Spin OSN	619.1	0.9691

Headsails	6	Spinnakers	4
-----------	---	------------	---

Asymmetric on centerline

Spinnaker configuration	
Symmetric:	No
Asymmetric:	Yes 105.83
Flying H/S:	No
Spin. Pole:	No

CDL = 10.238

Limit Positive Stab.:	106.8°
Stability Index:	111.5



© Offshore Racing Congress 2020
www.orc.org

BOAT										INCLINING TEST AND FREEBOARDS									
Name MY FIRST					Sail Nr EST 60					Inclining Test Current Inclining									
File Est0060					Data in meters/kilograms					Flotation date 25/05/2002 SG 1.0020									
RIG Forestay Tension Aft Spreaders 2 Inner Stay None Fitted Runners/Checkstays 1 Carbon Mast No Jib Furler No Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit No										FFM 1.395 FF 1.414 SFFP 0.633 FAM 1.100 FA 1.112 SAFF 12.014 W1 30.0 PD1 60.0 WD 14.230 W2 60.0 PD2 121.0 GSA 12.6 W3 90.0 PD3 182.0 RSA 4298.7 W4 120.0 PD4 242.0 PLM 2005.0 LCF from stem on CL / on sheer 7.307 / 7.594 Maximum beam station from stem 7.894 RM Measured 246.7kg·m RM Default 264.3kg·m Limit of positive stability / Stab.Index 106.8° / 111.5 Freeboard at mast at 5.040 1.250									
MIZZEN RIG AND SAILS N/A										PROPELLER Installation Shaft exposed PRD 0.457 Type Folding 3 blades PBW 0.132 Twin Screw Yes PIPA 0.0088 PSA 17.000 PHL 0.151 ST3 0.013 ESL 1.172 PSD 0.030 ST1 0.046 ST4 0.064 PHD 0.046 ST2 0.128 ST5 0.247									
COMMENTS 										MOVABLE BALLAST N/A									
										CENTERBOARD N/A									
SAILS INVENTORY																			
MAINSAIL (1)																			
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment								
1	0.20	1.13	2.05	3.64	4.75	56.94	EST1	08/06/2012			* Copied from legacy								
HEADSAILS (1)																			
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment			
1	0.05	0.70	1.42	2.77	4.60	6.35	15.70	138%	47.28	No	EST1	08/06/2012				* Copied from			
SYMMETRIC SPINNAKERS (0)																			
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment								
ASYMMETRIC SPINNAKERS (1)																			
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment							
1	17.40	15.50	16.45	7.60	8.20	105.83	asym	EST1	08/06/2012		Unknown								



2020 Measurements Datasheet

Certificate

Number **EST060**
 ORC Ref **0358000015J**
 Issued On **5/14/2020**
 VPP Ver. **2020 1.01**
 Valid until **31/12/2020**

2020

ORC Club Certificate Appendix

BOAT			
Name	MY FIRST	Certificate Number	EST060
Sail Nr	EST 60	Issued On	5/14/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1055.5	868.5	767.2	714.4	692.1	682.6	683.7
52°	678.7	569.5	506.6	478.7	468.3	463.5	461.1
60°	635.3	538.2	484.9	462.9	452.6	448.1	445.1
75°	603.3	513.3	470.1	450.3	438.4	430.1	422.2
90°	607.5	514.1	463.2	441.9	432.0	420.9	402.0
110°	620.4	510.0	459.2	436.0	418.2	401.7	382.3
120°	643.1	527.8	467.5	440.9	421.8	403.3	370.5
135°	724.2	584.7	501.2	459.0	436.6	418.1	381.9
150°	862.4	679.5	575.4	506.8	469.7	447.8	418.0
Run VMG	995.8	784.7	664.4	585.2	541.7	500.0	445.2
Selected Courses							
Windward / Leeward	1025.7	826.6	715.8	649.8	616.9	591.3	564.5
Circular Random	848.2	681.5	591.7	539.8	508.5	488.9	465.9
Coastal / Long Distance	1022.7	774.3	638.7	557.9	518.2	487.1	439.0
Non Spinnaker	899.7	717.1	617.0	558.0	521.6	498.6	472.9

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°	43.1°	42.4°	42.8°	42.0°	41.6°	42.0°
Beat VMG	3.41	4.15	4.69	5.04	5.20	5.27	5.27
52°	5.30	6.32	7.11	7.52	7.69	7.77	7.81
60°	5.67	6.69	7.42	7.78	7.95	8.03	8.09
75°	5.97	7.01	7.66	7.99	8.21	8.37	8.53
90°	5.93	7.00	7.77	8.15	8.33	8.55	8.96
110°	5.80	7.06	7.84	8.26	8.61	8.96	9.42
120°	5.60	6.82	7.70	8.17	8.54	8.93	9.72
135°	4.97	6.16	7.18	7.84	8.25	8.61	9.43
150°	4.17	5.30	6.26	7.10	7.66	8.04	8.61
Run VMG	3.62	4.59	5.42	6.15	6.65	7.20	8.09
Gybe Angles	143.5°	147.5°	148.0°	148.3°	150.5°	176.0°	178.5°