



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office

EYU
Regati 1
11911, Tallinn
Estonia

Certificate

Number **EST535**
Issued On **22.08.2017**
ORC Ref **EST00001576**
VPP Ver. **2017 1.00**
Valid until **31.12.2017**

Crew Weight

Declared **800kg**
Default* **620kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	622,6	0,9637
Double H.OSN	606,6	0,9892
Non Spin GPH	651,6	0,9208
Non Spin OSN	632,2	0,9491

Sails Limitations

Headsails **5** Spinnakers **3**

Spinnaker configuration

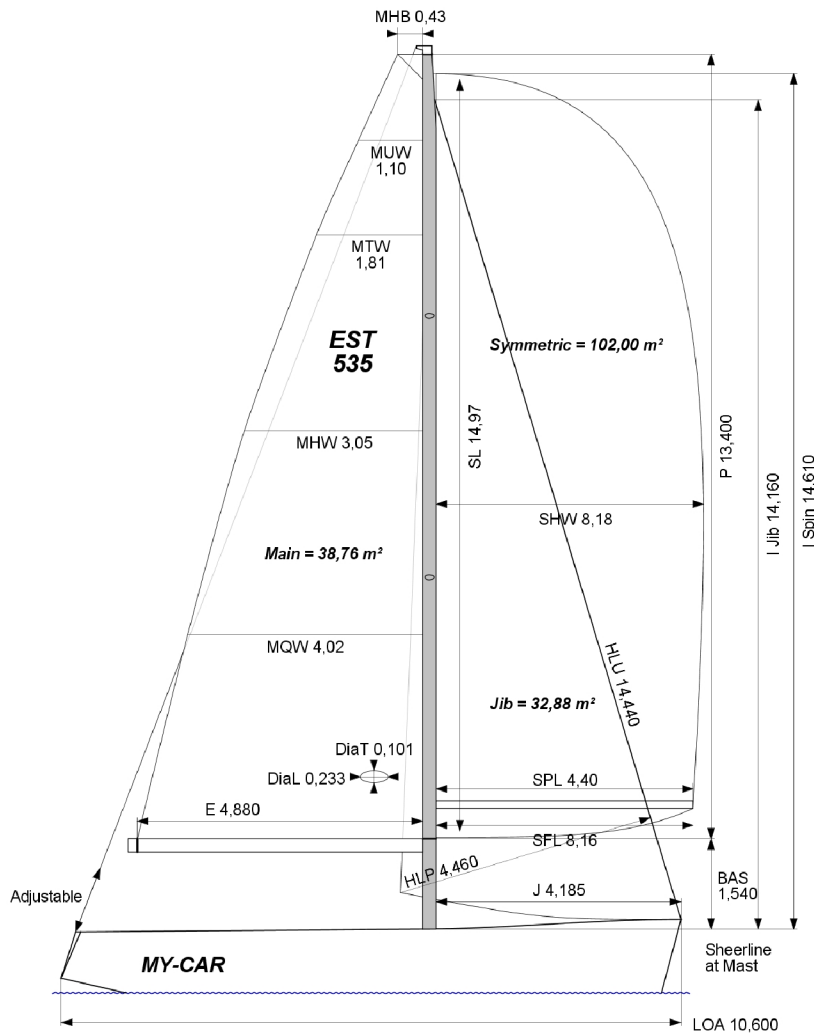
Symmetric: **Yes** 102,00
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **9,029**

Stability (Estimated)

Limit Positive Stab.: **129,4°**
Stability Index: **130,1**



BOAT	GPH	HULL
Name MY-CAR Sail Nr EST 535	617,3	Data File Est0535 LOA 10,600m Off set File X35mk2DEFmkR MB 3,250m Displacement 4 510kg Draft 1,998m
CLASS Class X-35 mod Designer JEPPESEN Builder X YACHTS Series 09.2005 Age Date 09.2008 Age Allowance 0,390%		IMS Division Cruiser/Racer Dynamic All. 0,082% Fwd Accom. Yes Construction Cored Fiber Rigging Yes Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS Yacht weight owners declaration.		IMSL 9,447m VCGD -0,170m Sink 17,04kg/mm RL 8,611m VCGM -0,177m WS 24,27m² LSM0 9,288m Displacement/Length ratio 5,6287
PROPELLER Installation Strut PRD 0,420 Type Folding 2 blades PBW 0,128 PIPA 0,0033		Water Ballast 0 Trim Tab No
		CENTERBOARD N/A

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	599,3			671,0		
Time On Time	1,0011			1,0060		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	712,7	545,9	480,5	925,8	674,1	580,4
Time on Time	0,9471	1,2365	1,4049	0,7291	1,0013	1,1629



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BOAT	
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1072,9	884,3	774,8	719,6	696,1	684,8	671,3
52°	696,1	579,8	521,6	498,6	490,1	485,6	478,6
60°	652,5	548,5	505,2	484,5	474,3	468,7	462,1
75°	616,6	527,2	493,4	470,5	451,2	439,8	431,0
90°	617,6	525,0	486,8	469,2	447,3	425,8	399,6
110°	624,7	518,4	479,1	448,4	429,7	415,5	389,7
120°	641,7	528,5	485,4	454,4	423,0	398,5	370,7
135°	708,9	572,0	506,5	475,0	445,8	416,9	355,8
150°	843,6	668,6	562,4	505,2	476,2	449,3	396,8
Run VMG	974,2	772,0	649,3	573,0	522,5	489,0	438,1

Selected Courses							
Windward / Leeward	1023,5	828,2	712,0	646,3	609,3	586,9	554,7
Circular Random	854,9	688,5	598,8	546,1	513,0	490,4	459,8
Ocean for PCS	1048,3	807,8	671,7	588,1	533,2	494,3	439,2
Non Spinnaker	915,5	731,6	631,1	571,5	534,1	509,0	476,2

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	43,7°	42,6°	42,2°	40,5°	39,4°	38,8°	38,4°
Beat VMG	3,36	4,07	4,65	5,00	5,17	5,26	5,36
52°	5,17	6,21	6,90	7,22	7,35	7,41	7,52
60°	5,52	6,56	7,13	7,43	7,59	7,68	7,79
75°	5,84	6,83	7,30	7,65	7,98	8,19	8,35
90°	5,83	6,86	7,40	7,67	8,05	8,45	9,01
110°	5,76	6,94	7,51	8,03	8,38	8,67	9,24
120°	5,61	6,81	7,42	7,92	8,51	9,03	9,71
135°	5,08	6,29	7,11	7,58	8,08	8,63	10,12
150°	4,27	5,38	6,40	7,13	7,56	8,01	9,07
Run VMG	3,70	4,66	5,54	6,28	6,89	7,36	8,22
Gybe Angles	144,9°	148,7°	150,2°	157,7°	175,9°	180,0°	180,0°