



Rating Office

Certificate

Crew Weight

Special Scoring

Sails Limitations

Spinnaker configuration

Class Division Length

CDL = 9.093

Stability

Technical drawing of the sail plan for the boat **MY-CAR**. The drawing shows the mast, main sail, and jib with various dimensions and areas.

Main Sail Dimensions and Areas:

- Mast Height (MH): 0.21
- Masthead (MHB): 0.21
- Masthead Upper Window (MUW): 0.95
- Masthead Lower Window (MTW): 1.65
- Masthead Lower Window (MHW): 2.80
- Masthead Lower Window (MQW): 3.67
- Main Sail Area: 34.38 m^2
- Main Sail Label: **EST 535**
- Main Sail Symmetric Area: 91.52 m^2
- Main Sail Length (SL): 14.30
- Main Sail Width (SHW): 7.75
- Main Sail Height (HJ): 14.400

Jib Dimensions and Areas:

- Jib Area: 32.40 m^2
- Jib Length (J): 4.420
- Jib Width (SPL): 4.18
- Jib Height (SFL): 7.40
- Jib Height (HLP): 4.400

Other Dimensions and Labels:

- Adjustable: Indicated on the main sail.
- E: 4.400
- DiaT: 0.125
- DiaL: 0.185
- BAS: 1.745
- Sheerline at Mast
- LOA: 10.600
- Jib Length: 14.500
- Jib Width: 14.530

SCORING OPTIONS

	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	602,3			672,4		
Time On Time	0,9962			1,0039		
Performance Line	PLT 0,675	PLD 37,5		PLT 0,849	PLD 204,4	
Triple Number	Low 0.9438	Medium 1.2307	High 1.3915	Low 0.7278	Medium 0.9991	High 1.1606



World Leader in Rating Technology

2016

ORC Club Certificate Appendix

BOAT			
Name	MY-CAR	Certificate Number	EST535
Sail Nr	EST 535	Issued On	19.05.2016

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1069,6	883,9	772,1	714,3	692,6	682,4	667,3
52°	694,3	581,0	521,6	498,6	490,9	487,0	480,0
60°	651,2	549,9	505,8	485,4	476,3	471,7	465,5
75°	616,2	528,4	494,4	472,7	455,3	445,7	438,7
90°	618,9	529,4	490,1	473,8	453,7	433,9	410,9
110°	631,3	524,0	484,4	455,5	436,6	424,3	402,1
120°	649,1	535,2	490,6	461,7	432,2	407,6	382,1
135°	716,7	580,7	513,3	481,7	454,8	427,4	372,3
150°	848,1	673,0	569,1	511,5	482,4	457,4	407,8
Run VMG	979,4	777,1	656,4	580,4	527,7	493,5	445,1
Selected Courses							
Windward / Leeward	1024,5	830,5	714,3	647,3	610,2	588,0	556,2
Circular Random	857,6	691,2	601,7	549,3	516,7	495,0	465,8
Ocean for PCS	1050,9	810,6	674,8	591,7	537,6	499,7	446,7
Non Spinnaker	916,8	733,2	632,9	573,4	536,1	511,4	479,7

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°	42,4°	41,9°	40,0°	38,8°	38,3°	37,8°
Beat VMG	3,37	4,07	4,66	5,04	5,20	5,28	5,39
52°	5,18	6,20	6,90	7,22	7,33	7,39	7,50
60°	5,53	6,55	7,12	7,42	7,56	7,63	7,73
75°	5,84	6,81	7,28	7,62	7,91	8,08	8,21
90°	5,82	6,80	7,35	7,60	7,93	8,30	8,76
110°	5,70	6,87	7,43	7,90	8,25	8,48	8,95
120°	5,55	6,73	7,34	7,80	8,33	8,83	9,42
135°	5,02	6,20	7,01	7,47	7,92	8,42	9,67
150°	4,24	5,35	6,33	7,04	7,46	7,87	8,83
Run VMG	3,68	4,63	5,48	6,20	6,82	7,29	8,09
Gybe Angles	145,2°	149,1°	151,1°	157,8°	180,0°	180,0°	180,0°