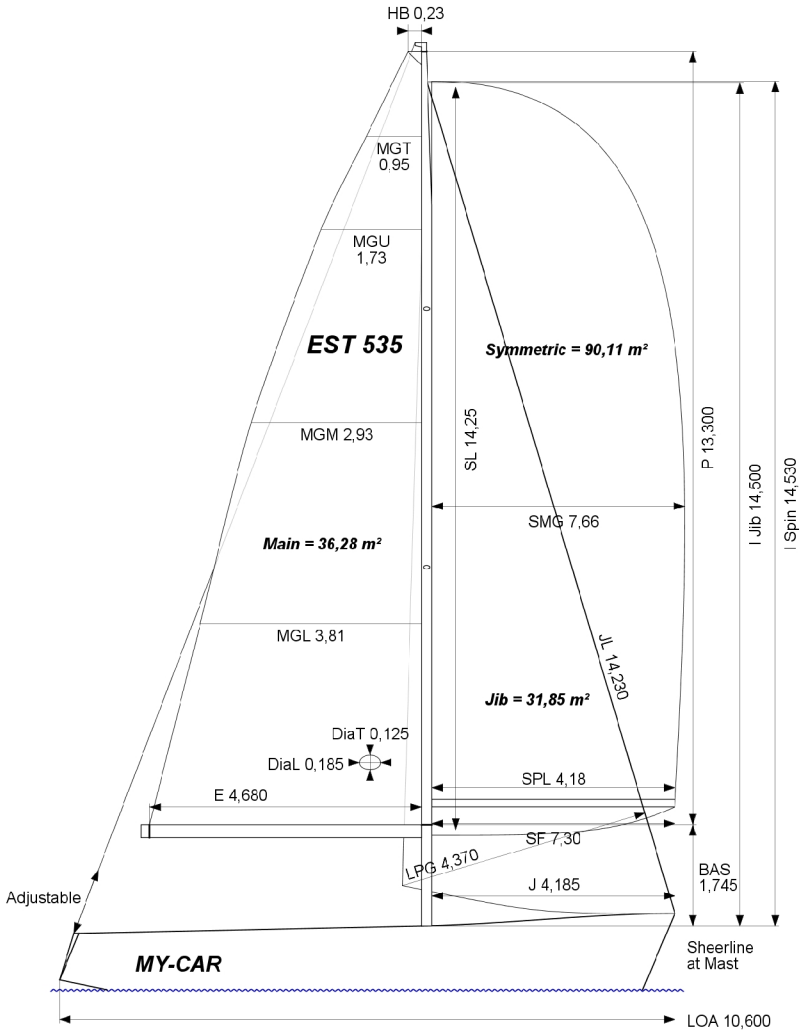

ORC
World Leader in Rating Technology

2014 ORC Club Certificate

Rating Office

EYU
Regati 1
Tallinn, 11911
Estonia

Certificate

Number **EST535**
Issued On **10.09.2014**
ORC Ref **EST00000451**
VPP Ver. **2014 1.01**
Valid until **31.12.2014**

Crew Weight

Declared	**730 kg**
Default*	**626 kg**
Non Manual Pwr	**No**

Special Scoring

	ToD	ToT
Double H.GPH	**627,8**	**0,9557**
Double H.OSN	**611,5**	**0,9812**
Non Spin GPH	**655,0**	**0,9160**
Non Spin OSN	**633,9**	**0,9466**
N/S Perf. Line	**77,8**	**0,766**

Sails Limitations

Genoas **0** Spinnakers **3**
Jibs **4**

Spinnaker configuration

Symmetric:	**Yes**	**90,11**
Asymmetric:	**No**	
Flying H/S:	**No**	
Spin. Pole:	**Yes**	

Stability

LPS (Measured):	**113,8°**
Stability Index:	**115,2**
OSR Category:	**1**

Owner

BOAT

Name **MY-CAR**
Sail Nr **EST 535**

GPH

622,8

CLASS

Class	**X-35**
Designer	**JEPPESEN**
Builder	**X YACHTS**
Series	**09.2005**
Age Date	**09.2008**
Age Allowance	**0,292%**

COMMENTS

HULL

Data File	**Est0535.dxt**	LOA	**10,600 m**
Offset File	**X35.OFF**	MB	**3,250 m**
Displacement	**4 679 kg**	Draft	**2,184 m**
IMS Division	**Cruiser/Racer**	Dynamic All.	**0,092%**
Fwd Accom.	**Yes**	Construction	**Cored**
Fiber Rigging	**No**	Aramid Core	**No**
Crew Arm Ex		Carbon Rudder	**No**
		Light Stanchions	

IMS L **9,520** Wetted Area **23,31 m²** VCGM **0,077**

PROPELLER

Installation **Strut**
Type **Folding**

PRD **0,420**
PBW **0,128**
PIPA **0,0033**

CENTERBOARD

N/A

SCORING OPTIONS

	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	**604,8**			**672,3**		
Time On Time	**0,9921**			**1,0041**		
	PLT		PLD	PLT		PLD
Performance Line	**0,854**		**108,6**	**0,819**		**183,6**
	Low	Medium	High	Low	Medium	High
Triple Number	**0,9403**	**1,2258**	**1,3823**	**0,7233**	**0,9975**	**1,1640**

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2014
ORC Club Certificate Appendix

BOAT			
Name	**MY-CAR**	Certificate Number	**EST535**
Sail Nr	**EST 535**	Issued On	**10.09.2014**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	**1054,7**	**873,0**	**764,7**	**709,2**	**686,0**	**674,3**	**670,9**
52°	**687,6**	**576,6**	**520,0**	**497,8**	**489,8**	**485,7**	**482,0**
60°	**646,7**	**547,5**	**505,2**	**485,4**	**476,1**	**471,3**	**468,0**
75°	**614,6**	**528,3**	**495,1**	**474,5**	**457,6**	**446,9**	**439,9**
90°	**621,1**	**525,7**	**489,5**	**476,8**	**457,4**	**439,7**	**413,6**
110°	**632,8**	**526,2**	**486,8**	**459,4**	**435,5**	**423,0**	**404,2**
120°	**653,2**	**539,5**	**493,9**	**467,1**	**440,4**	**414,5**	**388,6**
135°	**728,4**	**593,1**	**520,9**	**488,1**	**463,4**	**437,9**	**387,6**
150°	**872,2**	**691,4**	**584,2**	**519,6**	**488,4**	**464,5**	**416,4**
Run VMG	**1007,1**	**798,3**	**672,7**	**586,0**	**526,7**	**493,2**	**445,9**
Selected Courses							
Windward / Leeward	**1030,9**	**835,6**	**718,7**	**647,6**	**606,3**	**583,8**	**558,4**
Circular Random	**860,9**	**693,9**	**604,0**	**551,6**	**519,3**	**498,1**	**471,4**
Ocean for PCS	**916,8**	**724,4**	**617,3**	**552,0**	**509,1**	**478,5**	**433,5**
Non Spinnaker	**918,9**	**734,9**	**634,4**	**575,0**	**538,1**	**513,8**	**483,6**

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	**43,3°**	**42,0°**	**41,5°**	**39,5°**	**38,3°**	**37,6°**	**37,9°**
Beat VMG	**3,41**	**4,12**	**4,71**	**5,08**	**5,25**	**5,34**	**5,37**
52°	**5,24**	**6,24**	**6,92**	**7,23**	**7,35**	**7,41**	**7,47**
60°	**5,57**	**6,58**	**7,13**	**7,42**	**7,56**	**7,64**	**7,69**
75°	**5,86**	**6,81**	**7,27**	**7,59**	**7,87**	**8,06**	**8,18**
90°	**5,80**	**6,85**	**7,35**	**7,55**	**7,87**	**8,19**	**8,70**
110°	**5,69**	**6,84**	**7,40**	**7,84**	**8,27**	**8,51**	**8,91**
120°	**5,51**	**6,67**	**7,29**	**7,71**	**8,18**	**8,68**	**9,26**
135°	**4,94**	**6,07**	**6,91**	**7,38**	**7,77**	**8,22**	**9,29**
150°	**4,13**	**5,21**	**6,16**	**6,93**	**7,37**	**7,75**	**8,64**
Run VMG	**3,57**	**4,51**	**5,35**	**6,14**	**6,84**	**7,30**	**8,07**
Gybe Angles	**144,2°**	**149,5°**	**153,1°**	**163,2°**	**175,4°**	**178,6°**	**178,1°**

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