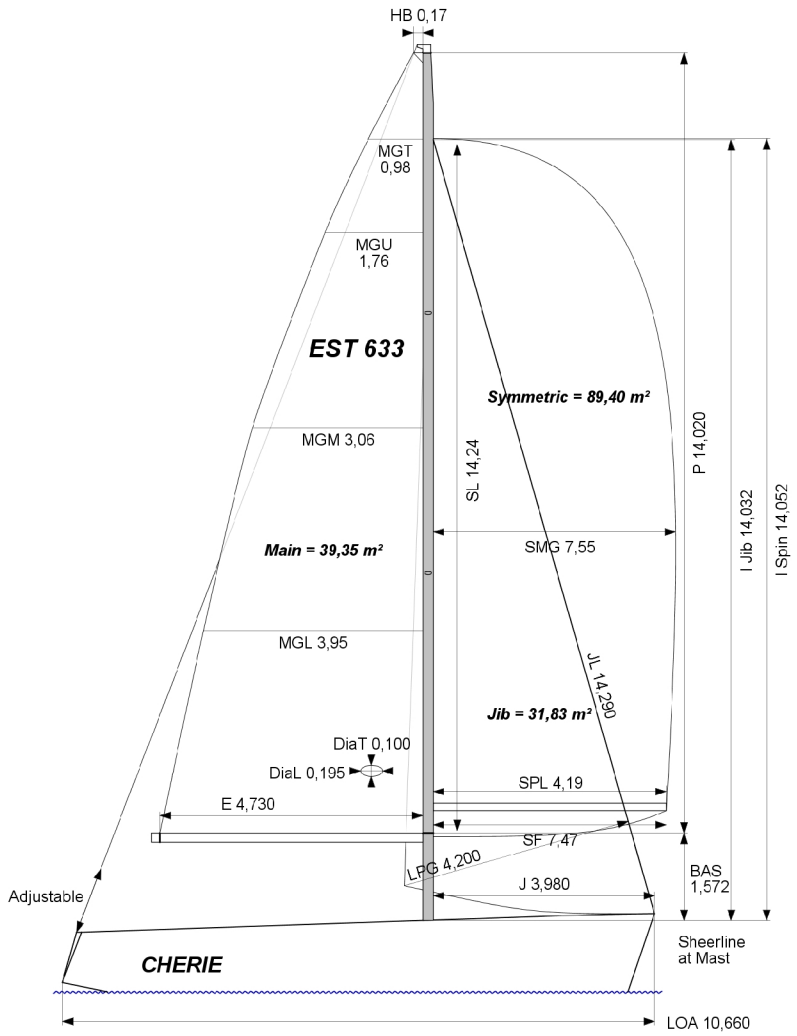

ORC
World Leader in Rating Technology

2014 ORC Club Certificate

Rating Office

EYU
Regati 1
Tallinn, 11911
Estonia

Certificate

Number **EST633**
Issued On **23.05.2014**
ORC Ref **EST00000163**
VPP Ver. **2014 1.01**
Valid until **31.12.2014**

Crew Weight

Declared	**710 kg**
Default*	**644 kg**
Non Manual Pwr	**No**

Special Scoring

	ToD	ToT
Double H.GPH	**636,1**	**0,9433**
Double H.OSN	**618,8**	**0,9696**
Non Spin GPH	**663,3**	**0,9046**
Non Spin OSN	**640,7**	**0,9365**
N/S Perf. Line	**70,6**	**0,746**

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes** **89,40**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Stability

LPS (Measured): **120,9°**
Stability Index: **120,7**
OSR Category: **0**

Owner

BOAT

Name **Cherie**
Sail Nr **EST 633**

GPH

632,4

CLASS

Class	**First 35**
Designer	**Farr**
Builder	**Beneteau**
Series	**08.2009**
Age Date	**04.2010**
Age Allowance	**0,163%**

COMMENTS

HULL

Data File	**Est0633.dxt**	LOA	**10,660 m**
Offset File	**F242.OFF**	MB	**3,636 m**
Displacement	**5 631 kg**	Draft	**2,202 m**
IMS Division	**Cruiser/Racer**	Dynamic All.	**0,199%**
Fwd Accom.	**Yes**	Construction	**Solid**
Fiber Rigging	**No**	Aramid Core	**No**
Crew Arm Ex		Carbon Rudder	**No**
		Light Stanchions	
IMS L	**9,716**	Wetted Area	**26,12 m²** VCGM **0,053**

PROPELLER

Installation	**Strut**	PRD	**0,434**
Type	**Folding**	PIPA	**0,0030**

CENTERBOARD

N/A

SCORING OPTIONS

	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	**613,6**			**682,9**		
Time On Time	**0,9778**			**0,9885**		
	PLT		PLD	PLT		PLD
Performance Line	**0,825**		**98,7**	**0,770**		**158,2**
	Low	Medium	High	Low	Medium	High
Triple Number	**0,9187**	**1,2108**	**1,3711**	**0,7044**	**0,9796**	**1,1542**

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2014
ORC Club Certificate Appendix

BOAT			
Name	**Cherie**	Certificate Number	**EST633**
Sail Nr	**EST 633**	Issued On	**23.05.2014**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	**1079,5**	**890,8**	**782,7**	**720,5**	**694,3**	**681,0**	**674,3**
52°	**702,3**	**587,4**	**525,9**	**499,5**	**489,6**	**484,6**	**481,2**
60°	**659,7**	**555,3**	**508,0**	**486,7**	**475,7**	**470,4**	**466,7**
75°	**626,5**	**533,2**	**496,1**	**476,3**	**460,5**	**448,5**	**439,0**
90°	**634,2**	**532,3**	**490,3**	**474,1**	**461,0**	**445,0**	**418,5**
110°	**646,6**	**533,5**	**489,4**	**464,4**	**439,9**	**422,7**	**405,5**
120°	**669,4**	**549,8**	**497,0**	**471,3**	**448,5**	**424,9**	**391,7**
135°	**749,9**	**610,1**	**528,1**	**490,9**	**467,9**	**445,5**	**401,3**
150°	**902,6**	**710,3**	**597,5**	**525,7**	**490,9**	**468,5**	**425,2**
Run VMG	**1042,2**	**820,3**	**688,5**	**595,3**	**531,7**	**495,2**	**451,3**
Selected Courses							
Windward / Leeward	**1060,9**	**855,5**	**735,6**	**657,9**	**613,0**	**588,1**	**562,8**
Circular Random	**879,6**	**706,6**	**613,0**	**558,2**	**524,4**	**502,5**	**475,6**
Ocean for PCS	**937,4**	**738,0**	**626,6**	**558,7**	**514,5**	**483,4**	**439,0**
Non Spinnaker	**935,0**	**745,9**	**642,2**	**580,7**	**542,6**	**517,9**	**488,3**

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	**43,4°**	**41,9°**	**41,6°**	**40,0°**	**39,1°**	**38,5°**	**38,6°**
Beat VMG	**3,33**	**4,04**	**4,60**	**5,00**	**5,18**	**5,29**	**5,34**
52°	**5,13**	**6,13**	**6,85**	**7,21**	**7,35**	**7,43**	**7,48**
60°	**5,46**	**6,48**	**7,09**	**7,40**	**7,57**	**7,65**	**7,71**
75°	**5,75**	**6,75**	**7,26**	**7,56**	**7,82**	**8,03**	**8,20**
90°	**5,68**	**6,76**	**7,34**	**7,59**	**7,81**	**8,09**	**8,60**
110°	**5,57**	**6,75**	**7,36**	**7,75**	**8,18**	**8,52**	**8,88**
120°	**5,38**	**6,55**	**7,24**	**7,64**	**8,03**	**8,47**	**9,19**
135°	**4,80**	**5,90**	**6,82**	**7,33**	**7,69**	**8,08**	**8,97**
150°	**3,99**	**5,07**	**6,02**	**6,85**	**7,33**	**7,68**	**8,47**
Run VMG	**3,45**	**4,39**	**5,23**	**6,05**	**6,77**	**7,27**	**7,98**
Gybe Angles	**144,8°**	**150,5°**	**153,7°**	**163,8°**	**174,7°**	**178,6°**	**178,7°**

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