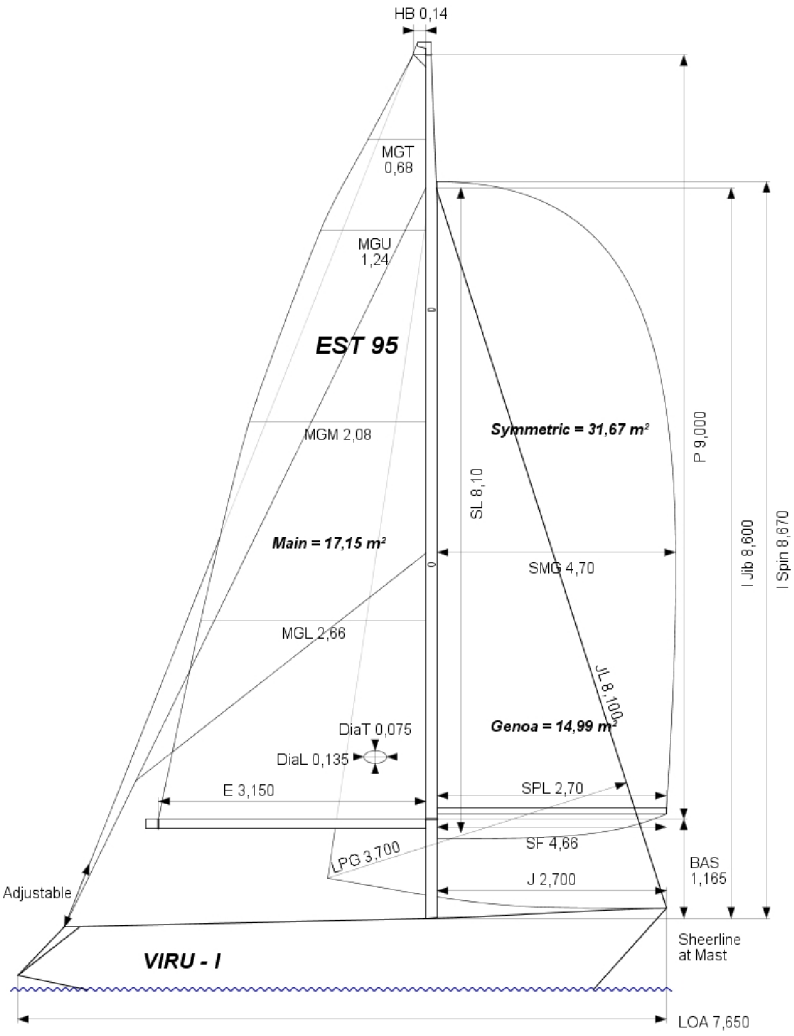

ORC
World Leader in Rating Technology

2015 ORC Club Certificate

Rating Office
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Certificate
Number **EST095**
Issued On **22.05.2015**
ORC Ref **EST00000638**
VPP Ver. **2015 1.01**
Valid until **31.12.2015**

Crew Weight
Declared	**435 kg**
Default*	**344 kg**
Non Manual Pwr	**No**

Special Scoring
	ToD	ToT
Non Spin GPH	**773,9**	**0,7753**
Non Spin OSN	**747,2**	**0,8030**
N/S Perf. Line	**108,1**	**0,688**

Sails Limitations
Headsails **5** Spinnakers **3**

Spinnaker configuration
Symmetric: **Yes** **31,67**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length
CDL = **6,186**

Stability
LPS (Estimated): **107,4°**
Stability Index: **99,7**
OSR Category: **N/A**

BOAT
Name **VIRU - I**
Sail Nr **EST 95**

GPH
749,7

CLASS
Class	**Conrad 25R**
Designer	**Petterson**
Builder	
Series	**01.1978**
Age Date	**01.1982**
Age Allowance	**0,487%**

COMMENTS
Boat weight with engine Mercury Sail Power 4.0 hp

HULL
Data File	**Est0095.dxt**	LOA	**7,650 m**
Offset File	**C25_ST.OFF**	MB	**2,756 m**
Displacement	**1 668 kg**	Draft	**1,536 m**

IMS Division	**Performance**	Dynamic All.	**0,262%**
Fwd Accom.	**Yes**	Construction	**Solid**
Fiber Rigging	**No**	Aramid Core	**No**
Crew Arm Ex		Carbon Rudder	**No**
		Light Stanchions	

IMS L	**6,268**	VCGD	**0,106**	Sink	**8,47 kg/mm**
RL	**6,103**	VCGM	**0,091**	WS	**11,61 m²**

Water Ballast **0** Trim Tab **No**

PROPELLER
Type **No Propeller**

CENTERBOARD
N/A

SCORING OPTIONS

	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	**727,0**			**801,5**		
Time On Time	**0,8253**			**0,8421**		
	PLT		PLD	PLT		PLD
Performance Line	**0,734**		**127,4**	**0,725**		**216,5**
	Low	Medium	High	Low	Medium	High
Triple Number	**0,7879**	**1,0143**	**1,1406**	**0,6127**	**0,8388**	**0,9646**

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2015
ORC Club Certificate Appendix

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BOAT			
Name	**VIRU - I**	Certificate Number	**EST095**
Sail Nr	**EST 95**	Issued On	**22.05.2015**

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	**1233,2**	**1034,5**	**915,7**	**854,8**	**826,7**	**814,2**	**813,5**
52°	**811,2**	**686,1**	**630,9**	**606,3**	**591,7**	**584,6**	**580,9**
60°	**766,2**	**657,1**	**614,7**	**591,8**	**574,2**	**563,7**	**557,5**
75°	**731,6**	**638,7**	**603,2**	**578,5**	**557,0**	**538,7**	**521,7**
90°	**741,6**	**642,3**	**599,3**	**568,4**	**543,5**	**531,8**	**504,7**
110°	**764,3**	**645,0**	**600,7**	**569,5**	**539,7**	**513,5**	**477,0**
120°	**795,5**	**661,8**	**610,1**	**580,6**	**552,7**	**525,3**	**478,1**
135°	**893,6**	**731,2**	**641,3**	**602,1**	**573,1**	**544,9**	**495,7**
150°	**1036,9**	**823,5**	**698,3**	**630,6**	**596,5**	**568,5**	**516,5**
Run VMG	**1197,1**	**942,2**	**788,2**	**684,8**	**627,0**	**594,5**	**540,7**
Selected Courses							
Windward / Leeward	**1215,2**	**988,3**	**852,0**	**769,8**	**726,9**	**704,4**	**677,1**
Circular Random	**1028,9**	**832,9**	**727,8**	**666,5**	**628,5**	**603,4**	**571,7**
Ocean for PCS	**1093,3**	**867,9**	**742,9**	**666,9**	**617,2**	**581,9**	**531,8**
Non Spinnaker	**1071,4**	**863,1**	**750,6**	**684,7**	**643,9**	**617,1**	**584,0**

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	**42,5°**	**41,7°**	**40,8°**	**39,1°**	**38,0°**	**37,5°**	**38,2°**
Beat VMG	**2,92**	**3,48**	**3,93**	**4,21**	**4,35**	**4,42**	**4,43**
52°	**4,44**	**5,25**	**5,71**	**5,94**	**6,08**	**6,16**	**6,20**
60°	**4,70**	**5,48**	**5,86**	**6,08**	**6,27**	**6,39**	**6,46**
75°	**4,92**	**5,64**	**5,97**	**6,22**	**6,46**	**6,68**	**6,90**
90°	**4,85**	**5,60**	**6,01**	**6,33**	**6,62**	**6,77**	**7,13**
110°	**4,71**	**5,58**	**5,99**	**6,32**	**6,67**	**7,01**	**7,55**
120°	**4,53**	**5,44**	**5,90**	**6,20**	**6,51**	**6,85**	**7,53**
135°	**4,03**	**4,92**	**5,61**	**5,98**	**6,28**	**6,61**	**7,26**
150°	**3,47**	**4,37**	**5,16**	**5,71**	**6,04**	**6,33**	**6,97**
Run VMG	**3,01**	**3,82**	**4,57**	**5,26**	**5,74**	**6,06**	**6,66**
Gybe Angles	**150,6°**	**161,4°**	**171,9°**	**174,9°**	**178,8°**	**179,3°**	**179,1°**

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