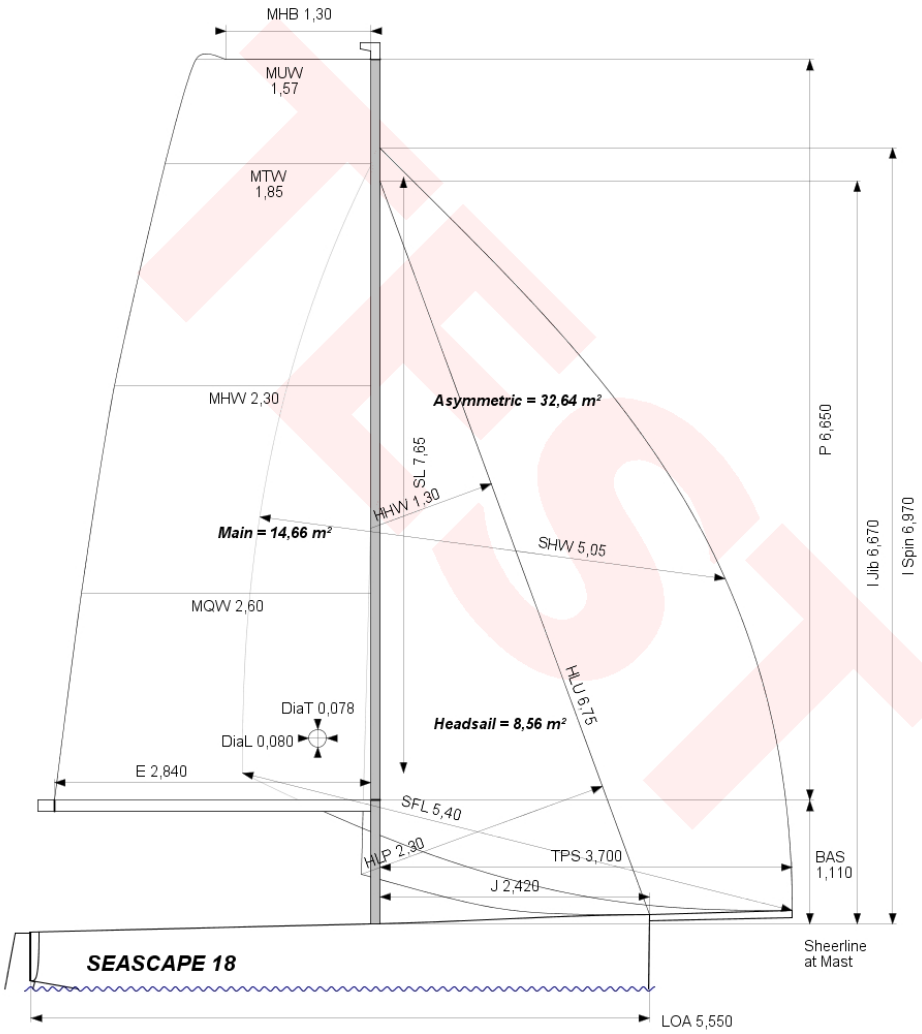


ORC
Offshore Racing Congress
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2020 ORC Club One Design Certificate

Rating Office

Certificate

Number
Issued On **10/01/2020**
ORC Ref **N/A**
VPP Ver. **2020 1.00**

Invalid for Racing

Crew Weight

Default	300kg
Maximum	**270kg**
Minimum*	**185kg**

**when applied by the NoR and SI*

Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	**757.2**	**0.7924**
Non Spin OSN	**727.8**	**0.8243**

Sails Limitations

Headsails **5** Spinnakers **4**

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes** **32.64**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = **5.896**

Stability (Estimated)

Limit Positive Stab.: **94.3°**
Stability Index: **84.7**

Owner

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

BOAT

Name **SEASCAPE 18**
Sail Nr

GPH

710.2

CLASS

Class	**Seascape 18**
Designer	**Manuard YD**
Builder	**ISSA d.o.o.**
Series	**01/2009**
Age Date	**01/2010**
Age Allowance	**0.357%**

COMMENTS

PROPELLER

Type **No Propeller**

HULL

Data File	**seasc18**	LOA	**5.550m**
Offset File	**SEASC18.OD**	MB	**2.382m**
Displacement	**500kg**	Draft	**1.500m**
IMS Division	**Cruiser/Racer**	Dynamic All.	**0.000%**
Plan Review		Construction	**Solid**
Fiber Rigging	**No**	Aramid Core	**No**
Crew Arm Ex	**0.50**	Carbon Rudder	**No**
		Light Stanchions	**No**

IMSL	**5.578m**	VCGD	**0.052m**	Sink	**6.33kg/mm**
RL	**6.212m**	VCGM	**0.052m**	WS	**7.45m²**
LSM0	**5.582m**	Displacement/Length ratio			**2.8748**

Water Ballast **0** Trim Tab **No**
BLR Index **0.0000**

CENTERBOARD

N/A

SCORING OPTIONS

	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	**687.5**			**783.3**		
Time on Time	**0.8727**			**0.8617**		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	**809.8**	**636.3**	**534.9**	**1029.9**	**792.4**	**672.4**
Time on Time	**0.8335**	**1.0609**	**1.2620**	**0.6554**	**0.8518**	**1.0039**

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2020
ORC Club Certificate Appendix

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BOAT

Name **SEASCAPE 18** Certificate Number

Sail Nr Issued On **10/01/2020**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	**1187.8**	**986.7**	**888.2**	**847.2**	**837.9**	**830.1**	**819.0**
52°	**789.1**	**680.9**	**636.7**	**605.8**	**594.0**	**585.9**	**567.0**
60°	**750.9**	**663.5**	**618.8**	**578.3**	**561.7**	**552.5**	**529.7**
75°	**724.5**	**648.8**	**600.8**	**552.3**	**513.0**	**497.7**	**481.2**
90°	**709.9**	**624.7**	**563.6**	**532.8**	**493.3**	**455.7**	**423.4**
110°	**704.6**	**617.8**	**549.6**	**481.5**	**445.7**	**414.8**	**361.7**
120°	**727.0**	**630.0**	**563.7**	**491.2**	**432.7**	**380.8**	**317.5**
135°	**802.3**	**668.7**	**601.4**	**539.6**	**474.7**	**421.9**	**274.1**
150°	**938.2**	**746.4**	**661.8**	**609.9**	**560.4**	**494.0**	**332.3**
Run VMG	**1083.3**	**861.9**	**763.1**	**688.5**	**635.9**	**570.5**	**383.8**
Selected Courses							
Windward / Leeward	**1135.6**	**924.3**	**825.6**	**767.9**	**736.9**	**700.3**	**601.4**
Circular Random	**974.4**	**791.4**	**691.4**	**629.0**	**584.3**	**547.4**	**483.4**
Coastal / Long Distance	**1130.3**	**872.7**	**747.4**	**662.6**	**608.7**	**552.2**	**450.0**
Non Spinnaker	**1052.8**	**847.5**	**735.2**	**667.0**	**620.9**	**586.1**	**531.0**

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	**42.0°**	**40.5°**	**37.9°**	**36.4°**	**36.2°**	**36.0°**	**36.2°**
Beat VMG	**3.03**	**3.65**	**4.05**	**4.25**	**4.30**	**4.34**	**4.40**
52°	**4.56**	**5.29**	**5.65**	**5.94**	**6.06**	**6.14**	**6.35**
60°	**4.79**	**5.43**	**5.82**	**6.22**	**6.41**	**6.52**	**6.80**
75°	**4.97**	**5.55**	**5.99**	**6.52**	**7.02**	**7.23**	**7.48**
90°	**5.07**	**5.76**	**6.39**	**6.76**	**7.30**	**7.90**	**8.50**
110°	**5.11**	**5.83**	**6.55**	**7.48**	**8.08**	**8.68**	**9.95**
120°	**4.95**	**5.71**	**6.39**	**7.33**	**8.32**	**9.45**	**11.34**
135°	**4.49**	**5.38**	**5.99**	**6.67**	**7.58**	**8.53**	**13.13**
150°	**3.84**	**4.82**	**5.44**	**5.90**	**6.42**	**7.29**	**10.83**
Run VMG	**3.32**	**4.18**	**4.72**	**5.23**	**5.66**	**6.31**	**9.38**
Gybe Angles	**147.0°**	**148.5°**	**151.0°**	**177.0°**	**178.0°**	**143.5°**	**136.5°**

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