

Rating Office

Offshore
Racing
Congress



Certificate

Number **061/20**
Issued On **11/06/2020**
ORC Ref **03880000KHV**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 411kg
Maximum **505kg**
Minimum* **379kg**
**when applied by the NoR and SI*
Non Manual Pwr

Special Scoring

	ToD	ToT
Non Spin GPH	768.6	0.7806
Non Spin OSN	742.5	0.8081

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes 32.85**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

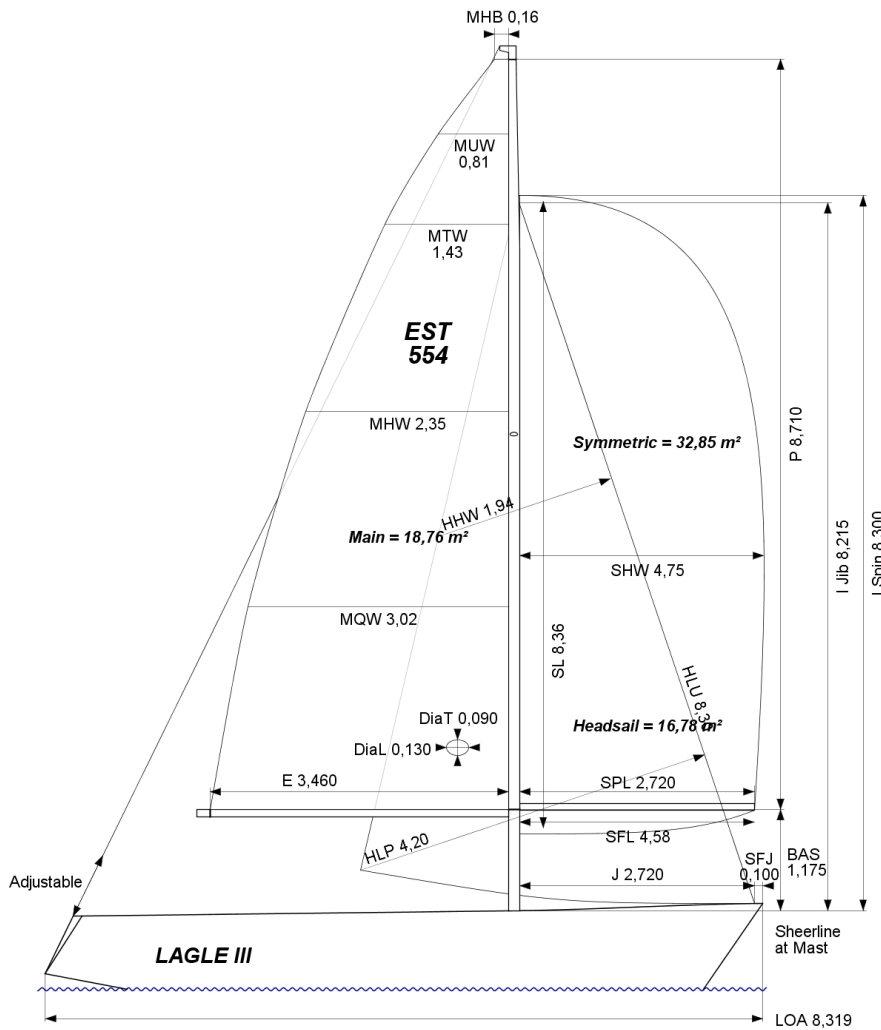
Class Division Length

CDL = 6.496

Stability (Estimated)

Limit Positive Stab.: **110.4°**
Stability Index: **105.9**

Owner



BOAT	GPH	HULL
Name LAGLE III Sail Nr EST 554	746.0	Data File EST554 LOA 8.319m Offset File L5280.BOF MB 2.794m Displacement 2,267kg Draft 1.415m
CLASS Class Finn Express 83 Designer Eivind Still Builder Nycra Series 01/1981 Age Date 01/1981 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.356% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 7.048m VCGD 0.000m Sink 10.07kg/mm RL 5.949m VCGM 0.106m WS 14.05m² LSM0 6.962m Displacement/Length ratio 6.7181
PROPELLER Installation Shaft exposed PRD 0.380 Type Folding 2 blades PBW 0.095 PIPA 0.0014		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	722.9	805.4
Time on Time	0.8299	0.8381
Triple Number	Low Medium High	Low Medium High
Time on Distance	870.2 657.1 577.1	1129.7 812.6 691.1
Time on Time	0.7757 1.0273 1.1697	0.5975 0.8307 0.9767

2020

ORC Club Certificate Appendix

BOAT	
Name	LAGLE III
Sail Nr	EST 554
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1296.3	1076.4	948.5	865.7	824.2	811.0	813.0
52°	835.7	699.5	626.4	595.1	578.3	571.2	568.2
60°	785.0	659.0	602.8	579.1	563.2	553.3	547.7
75°	750.0	634.9	587.6	564.5	546.7	531.0	513.8
90°	757.6	631.9	576.8	549.5	528.2	514.2	489.3
110°	765.5	630.6	575.6	545.0	517.0	492.2	454.8
120°	793.6	649.4	584.4	553.2	525.5	498.5	451.7
135°	893.0	719.9	616.8	573.4	545.5	518.8	469.8
150°	1041.9	819.0	688.8	607.8	570.9	544.8	495.8
Run VMG	1203.1	943.4	791.6	685.0	614.9	576.3	526.1
Selected Courses							
Windward / Leeward	1249.7	1009.9	870.1	775.4	719.5	693.6	669.6
Circular Random	1040.7	835.0	723.1	657.0	616.1	589.8	558.1
Coastal / Long Distance	1245.1	945.9	780.5	678.4	625.1	589.0	531.2
Non Spinnaker	1079.9	863.1	744.5	674.0	630.2	601.9	569.2

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	44.3°	43.5°	43.5°	41.3°	39.9°	39.6°	40.1°
Beat VMG	2.78	3.34	3.80	4.16	4.37	4.44	4.43
52°	4.31	5.15	5.75	6.05	6.22	6.30	6.34
60°	4.59	5.46	5.97	6.22	6.39	6.51	6.57
75°	4.80	5.67	6.13	6.38	6.58	6.78	7.01
90°	4.75	5.70	6.24	6.55	6.82	7.00	7.36
110°	4.70	5.71	6.25	6.61	6.96	7.31	7.92
120°	4.54	5.54	6.16	6.51	6.85	7.22	7.97
135°	4.03	5.00	5.84	6.28	6.60	6.94	7.66
150°	3.46	4.40	5.23	5.92	6.31	6.61	7.26
Run VMG	2.99	3.82	4.55	5.26	5.85	6.25	6.84
Gybe Angles	149.0°	153.0°	155.0°	166.0°	180.0°	180.0°	180.0°