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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **124/20**
Issued On **21/07/2020**
ORC Ref **0388000MTO**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 640kg
Maximum **750kg**
Minimum* **563kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	664.9	0.9024
Non Spin OSN	643.8	0.9320

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **Yes** **101.49**
Asymmetric: **Yes** **71.15**
Flying H/S: **No**
Spin. Pole: **Yes**

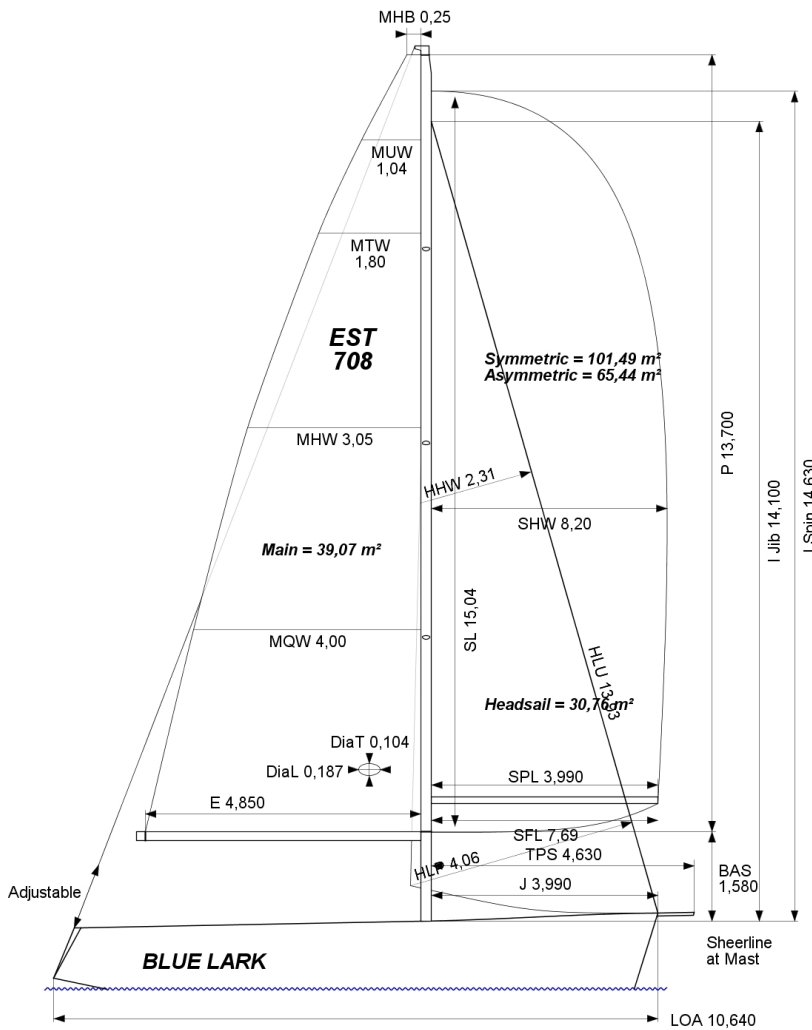
Class Division Length

CDL = 9.010

Stability (Estimated)

Limit Positive Stab.: **118.3°**
Stability Index: **120.1**

Owner



BOAT	GPH	HULL
Name BLUE LARK Sail Nr EST 708	624.2	Data File EST708 LOA 10.640m Offset File EST708.off MB 3.458m Displacement 5,557kg Draft 2.081m
CLASS Class First 36.7 Designer B.Farr Builder Beneteau S.A. Series 01/2001 Age Date 01/2004 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.194% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions
COMMENTS boat weight 5417 kg + ballast 110		IMSL 9.554m VCGD 0.050m Sink 19.09kg/mm RL 8.480m VCGM 0.043m WS 25.44m² LSM0 9.504m Displacement/Length ratio 6.4732
PROPELLER Installation Strut PRD 0.410 Type Folding 2 blades PBW 0.130 PIPA 0.0027		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	607.9	678.9
Time on Time	0.9870	0.9943
Triple Number	Low Medium High	Low Medium High
Time on Distance	714.7 553.3 493.5	931.8 681.7 590.8
Time on Time	0.9444 1.2199 1.3678	0.7244 0.9901 1.1425

2020

ORC Club Certificate Appendix

BOAT			
Name	BLUE LARK	Certificate Number	124/20
Sail Nr	EST 708	Issued On	21/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1078.7	895.8	785.1	725.1	705.5	697.9	686.9
52°	702.4	593.3	534.5	509.3	499.6	495.7	491.6
60°	662.3	564.4	519.0	497.7	486.6	482.0	479.3
75°	612.8	527.4	495.7	480.9	472.3	461.6	452.9
90°	590.0	513.5	483.8	463.2	447.6	438.5	425.5
110°	613.6	523.4	487.0	462.2	442.1	421.9	390.9
120°	644.6	534.8	491.8	465.3	440.0	417.7	384.6
135°	709.2	578.2	512.1	482.1	457.2	432.6	386.9
150°	844.1	673.9	569.0	511.1	483.2	460.2	415.7
Run VMG	974.7	778.2	657.0	579.7	527.8	494.5	449.5
Selected Courses							
Windward / Leeward	1026.7	837.0	721.1	652.4	616.7	596.2	568.2
Circular Random	857.6	693.7	605.8	554.8	523.5	502.8	476.0
Coastal / Long Distance	1021.5	783.9	649.7	571.9	533.0	503.8	456.3
Non Spinnaker	931.2	745.3	644.1	584.4	547.6	523.6	493.4

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	42.8°	41.6°	41.3°	39.4°	39.0°	38.8°	38.6°
Beat VMG	3.34	4.02	4.59	4.96	5.10	5.16	5.24
52°	5.13	6.07	6.73	7.07	7.21	7.26	7.32
60°	5.44	6.38	6.94	7.23	7.40	7.47	7.51
75°	5.87	6.83	7.26	7.49	7.62	7.80	7.95
90°	6.10	7.01	7.44	7.77	8.04	8.21	8.46
110°	5.87	6.88	7.39	7.79	8.14	8.53	9.21
120°	5.58	6.73	7.32	7.74	8.18	8.62	9.36
135°	5.08	6.23	7.03	7.47	7.87	8.32	9.31
150°	4.26	5.34	6.33	7.04	7.45	7.82	8.66
Run VMG	3.69	4.63	5.48	6.21	6.82	7.28	8.01
Gybe Angles	145.0°	149.5°	150.0°	158.0°	176.0°	180.0°	180.0°