



**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **143/20**
 Issued On **10/08/2020**
 ORC Ref **038800008M**
 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**

Spinnaker configuration

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

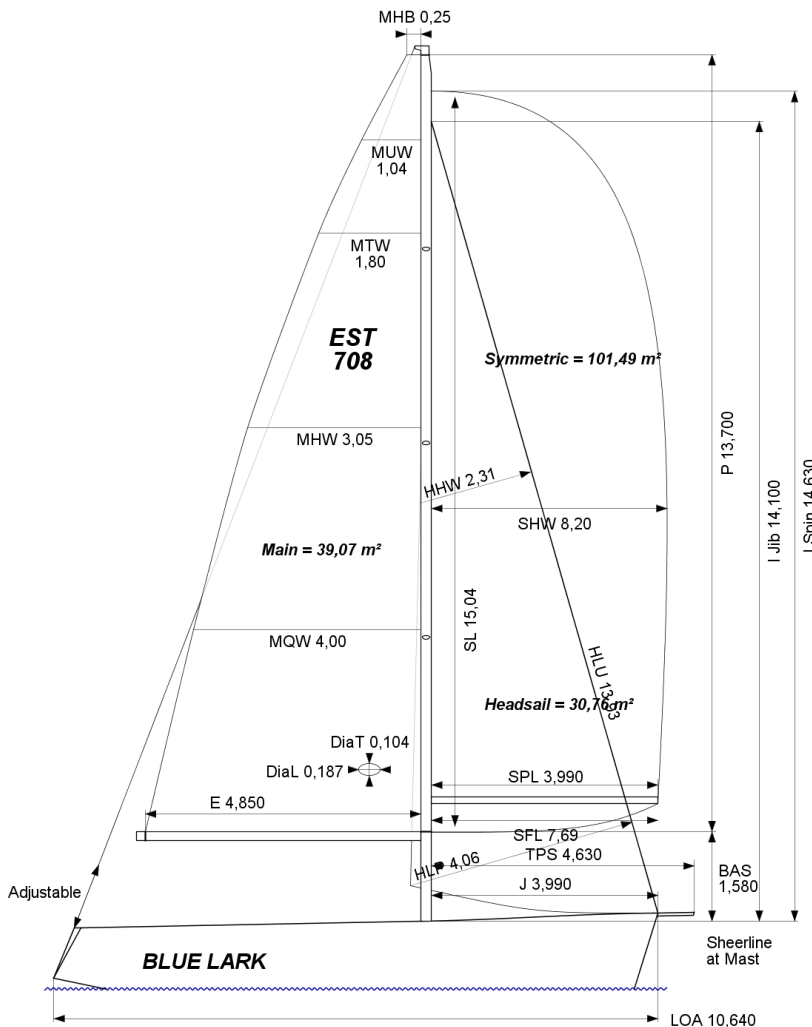
Class Division Length

CDL = 9.010

Stability (Estimated)

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

Owner



BOAT Name BLUE LARK Sail Nr EST 708		GPH 627.8	HULL 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%		IMSL 9.554m VCGD 0.050m Sink 19.09kg/mm RL 8.480m VCGM 0.043m WS 25.44m² LSMO 9.504m Displacement/Length ratio 6.4732		Water Ballast 0 Trim Tab No BLR Index 0.0000		
COMMENTS boat weight 5417 kg + ballast 140		CENTERBOARD N/A				
PROPELLER Installation Strut PRD 0.410 Type Folding 2 blades PBW 0.130 PIPA 0.0027		SCORING OPTIONS				
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	609.6			678.9		
Time on Time	0.9843			0.9943		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	720.7	555.7	495.8	931.8	681.7	590.8
Time on Time	0.9366	1.2146	1.3615	0.7244	0.9901	1.1425

2020

ORC Club Certificate Appendix

BOAT	
Name	BLUE LARK
Certificate Number	143/20
Sail Nr	EST 708
Issued On	10/08/2020

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°	634.1	544.4	507.6	487.7	472.7	461.6	452.9
90°	639.2	535.2	495.5	481.4	468.1	451.8	427.3
110°	628.0	525.3	487.0	462.2	442.1	430.3	411.0
120°	644.6	534.8	491.8	465.3	440.0	417.7	392.2
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	864.6	698.2	609.1	557.4	525.8	505.1	478.6
Coastal / Long Distance	1021.5	785.0	650.6	573.7	535.5	505.8	458.5
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°	5.68	6.61	7.09	7.38	7.62	7.80	7.95
90°	5.63	6.73	7.26	7.48	7.69	7.97	8.42
110°	5.73	6.85	7.39	7.79	8.14	8.37	8.76
120°	5.58	6.73	7.32	7.74	8.18	8.62	9.18
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°