



2020 ORC Club Certificate

Rating Office

Offshore
Racing
Congress

**COPY ONLY
INVALID for
RACING**

World Leader In Rating Technology

Certificate

Number **C06/20**
 Issued On **05/06/2020**
 ORC Ref **03090000JU4**
 VPP Ver. **2020 1.02**
 Valid until **31/12/2020**

Crew Weight

Default 404kg
 Maximum **404kg**
 Minimum* **303kg**
*when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	758.2	0.7913
Non Spin OSN	732.0	0.8196

Sails Limitations

Headsails **5** Spinnakers **4**
Woven Polyester

Spinnaker configuration
 Symmetric: **Yes** 47.30
 Asymmetric: **No**
 Flying H/S: **No**
 Spin. Pole: **Yes**

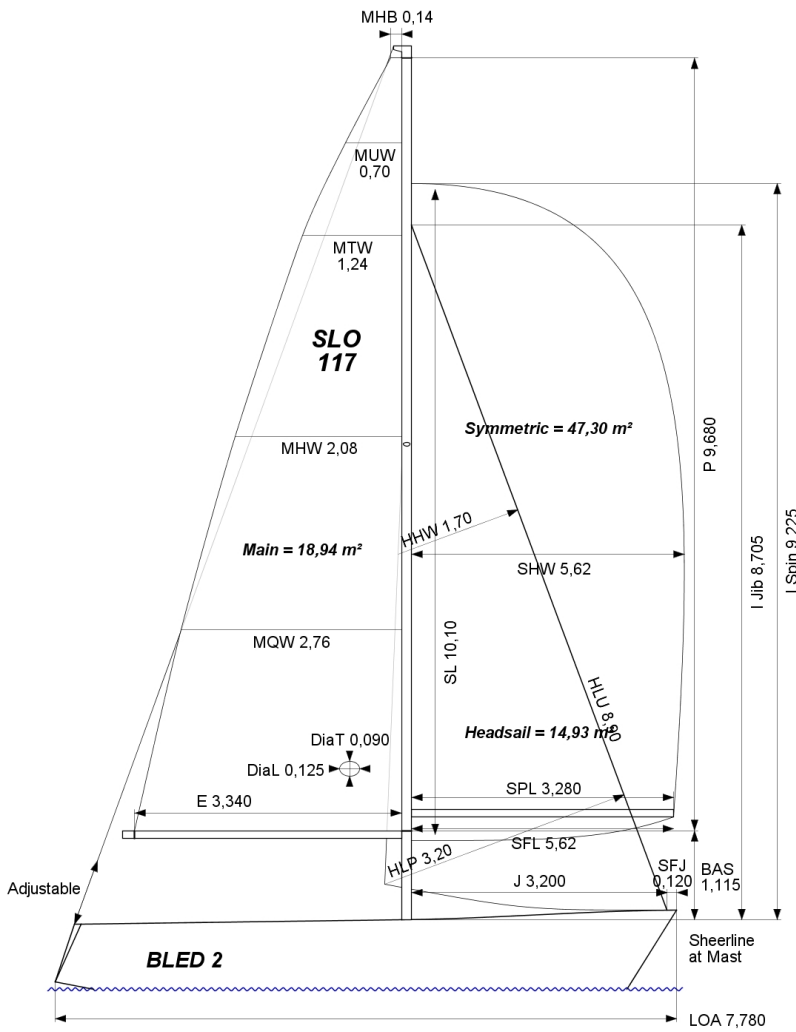
Class Division Length

CDL = **6.633**

Stability (Estimated)

Limit Positive Stab.: **123.6°**
 Stability Index: **120.7**

Owner



BOAT Name Bled 2 Sail Nr SLO 117		GPH 720.6	HULL Data File SLO117 LOA 7.780m Offset File ELEXPRES.OFF MB 2.494m Displacement 1,879kg Draft 1.435m					
CLASS Class Elan Express Designer Norlin Builder Elan Series 01/1983 Age Date 01/1983 Age Allowance 0.487%			IMS Division Sportboat Dynamic All. 0.187% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No					
COMMENTS			IMSL 6.931m VCGD -0.123m Sink 9.29kg/mm RL 6.333m VCGM -0.124m WS 12.80m² LSM0 6.877m Displacement/Length ratio 5.7774 Water Ballast 0 Trim Tab No BLR Index 0.0000					
PROPELLER Type No Propeller			CENTERBOARD NA					
SCORING OPTIONS								
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD				
Time on Distance	699.9			777.6				
Time on Time	0.8573			0.8681				
Triple Number	Low	Medium	High	Low	Medium	High		
Time on Distance	821.5	639.7	571.2	1062.7	779.3	682.6		
Time on Time	0.8217	1.0551	1.1818	0.6352	0.8662	0.9889		

2020

ORC Club Certificate Appendix

BOAT		Certificate Number C06/20	
Name	Bled 2	Issued On	05/06/2020
Sail Nr	SLO 117		

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1235.0	1028.3	906.6	839.1	817.6	812.1	814.1
52°	806.5	679.1	622.6	597.1	584.8	580.4	578.9
60°	762.4	648.3	606.0	583.7	569.3	562.5	560.2
75°	732.0	630.2	593.3	570.9	551.1	535.2	522.6
90°	710.4	609.3	572.4	552.5	541.4	522.8	491.6
110°	702.3	601.8	563.2	529.5	501.8	484.7	461.3
120°	724.6	611.7	569.4	534.7	501.4	472.8	434.3
135°	803.6	661.5	591.2	557.5	523.7	491.3	426.5
150°	957.7	762.8	645.3	587.6	556.6	525.4	466.6
Run VMG	1105.9	881.1	741.7	650.5	596.3	564.9	506.8
Selected Courses							
Windward / Leeward	1170.4	954.7	824.1	744.8	707.0	688.5	660.4
Circular Random	987.4	799.8	699.5	641.3	605.6	582.0	551.2
Coastal / Long Distance	1164.0	895.4	746.3	660.4	617.5	583.2	525.7
Non Spinnaker	1054.7	847.1	734.9	669.3	629.0	602.9	570.9

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	43.5°	42.4°	40.9°	38.6°	38.1°	38.3°	39.0°
Beat VMG	2.91	3.50	3.97	4.29	4.40	4.43	4.42
52°	4.46	5.30	5.78	6.03	6.16	6.20	6.22
60°	4.72	5.55	5.94	6.17	6.32	6.40	6.43
75°	4.92	5.71	6.07	6.31	6.53	6.73	6.89
90°	5.07	5.91	6.29	6.52	6.65	6.89	7.32
110°	5.13	5.98	6.39	6.80	7.17	7.43	7.80
120°	4.97	5.89	6.32	6.73	7.18	7.61	8.29
135°	4.48	5.44	6.09	6.46	6.87	7.33	8.44
150°	3.76	4.72	5.58	6.13	6.47	6.85	7.71
Run VMG	3.26	4.09	4.85	5.53	6.04	6.37	7.10
Gybe Angles	147.0°	151.0°	152.5°	170.0°	180.0°	180.0°	180.0°