



ORC
Offshore Racing Congress
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2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **149501**
Issued On **17/07/2020**
ORC Ref **0351000MNP**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default	455kg
Maximum	400kg
Minimum*	300kg

*when applied by the NoR and SI

Non Manual Pwr	No
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Special Scoring

	ToD	ToT
Non Spin GPH	739.4	0.8115
Non Spin OSN	717.9	0.8358

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** **64.71**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

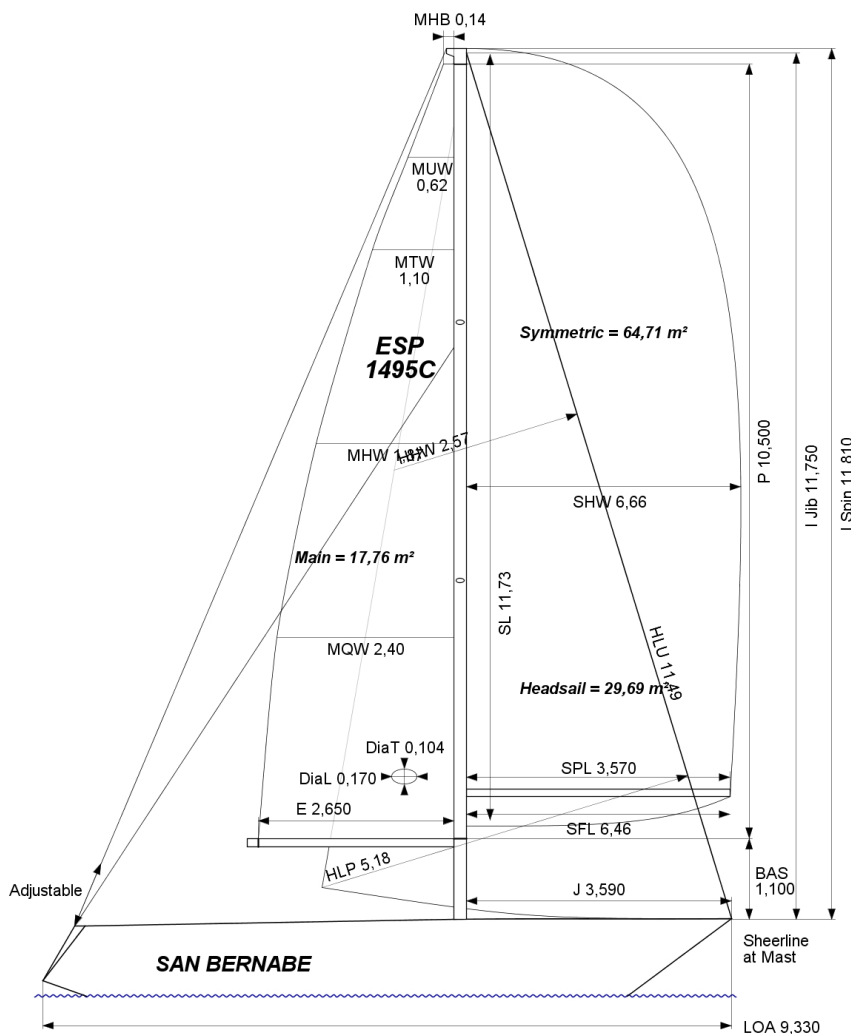
Class Division Length

CDL = 6.829

Stability (Estimated)

Limit Positive Stab.: **130.2°**
Stability Index: **126.6**

Owner



BOAT			GPH		HULL		
Name SAN BERNABE Sail Nr ESP-1495_C			706.1		Data File E1495_C	LOA 9.330m	
					Offset File E106.OFF	MB 3.074m	
					Displacement 3,069kg	Draft 1.679m	
CLASS							
Class		ELVSTROM 1/2 TON					
Designer		ELVSTROM					
Builder		FIBRESTER					
Series		01/1977					
Age Date		03/1977					
Age Allowance		0.487%					
COMMENTS							
escora caducada.							
PROPELLER							
Installation		Shaft exposed		PRD	0.350		
Type		Folding 2 blades		PBW	0.097		
				PIPA	0.0026		
CENTERBOARD							
N/A							
SCORING OPTIONS							
	COASTAL / LONG DISTANCE				WINDWARD / LEEWARD		
Time on Distance	687.8				763.9		
Time on Time	0.8724				0.8837		
Triple Number	Low	Medium	High	Low	Medium	High	
Time on Distance	793.6	628.9	574.2	1014.6	764.2	683.7	
Time on Time	0.8506	1.0733	1.1756	0.6653	0.8833	0.9873	

2020

ORC Club Certificate Appendix

BOAT			
Name	SAN BERNABE	Certificate Number	149501
Sail Nr	ESP-1495_C	Issued On	17/07/2020

TIME ALLOWANCES								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	1148.5	965.1	867.3	829.7	816.6	813.5	829.6	
52°	760.3	647.8	601.7	583.8	576.7	573.7	575.3	
60°	721.8	623.2	587.1	570.3	560.9	556.7	556.0	
75°	697.4	606.8	575.3	557.0	542.6	531.4	522.3	
90°	709.7	607.7	571.7	552.4	535.2	519.3	496.8	
110°	712.5	597.6	558.6	532.5	510.2	497.8	480.3	
120°	733.1	606.5	561.8	533.4	507.0	485.7	462.0	
135°	802.4	653.5	581.4	549.5	521.8	495.2	453.2	
150°	935.7	748.5	634.5	577.6	549.0	523.5	476.2	
Run VMG	1080.5	864.5	730.1	646.4	588.8	557.6	508.8	
Selected Courses								
Windward / Leeward	1114.5	914.8	798.7	738.1	702.7	685.5	669.2	
Circular Random	957.5	779.0	685.5	633.1	602.3	583.4	561.9	
Coastal / Long Distance	1111.1	861.1	725.6	653.3	613.9	583.4	535.3	
Non Spinnaker	1017.9	821.6	717.0	657.3	621.8	599.8	574.6	

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	41.6°	41.3°	40.3°	39.6°	39.4°	39.4°	40.5°	
Beat VMG	3.13	3.73	4.15	4.34	4.41	4.43	4.34	
52°	4.73	5.56	5.98	6.17	6.24	6.28	6.26	
60°	4.99	5.78	6.13	6.31	6.42	6.47	6.47	
75°	5.16	5.93	6.26	6.46	6.63	6.77	6.89	
90°	5.07	5.92	6.30	6.52	6.73	6.93	7.25	
110°	5.05	6.02	6.44	6.76	7.06	7.23	7.50	
120°	4.91	5.94	6.41	6.75	7.10	7.41	7.79	
135°	4.49	5.51	6.19	6.55	6.90	7.27	7.94	
150°	3.85	4.81	5.67	6.23	6.56	6.88	7.56	
Run VMG	3.33	4.16	4.93	5.57	6.11	6.46	7.08	
Gybe Angles	147.5°	151.0°	152.0°	164.0°	180.0°	180.0°	180.0°	