



ORC
Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **030620**
Issued On **03/06/2020**
ORC Ref **03540000JO6**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 970kg
Maximum **970kg**
Minimum* **728kg**
**when applied by the NoR and SI*
Non Manual Pwr

Special Scoring

	ToD	ToT
Non Spin GPH	649.0	0.9245
Non Spin OSN	627.6	0.9561

Sails Limitations

Headsails **1** Spinnakers **4**

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 115.11**
Flying H/S: **No**
Spin. Pole: **No**

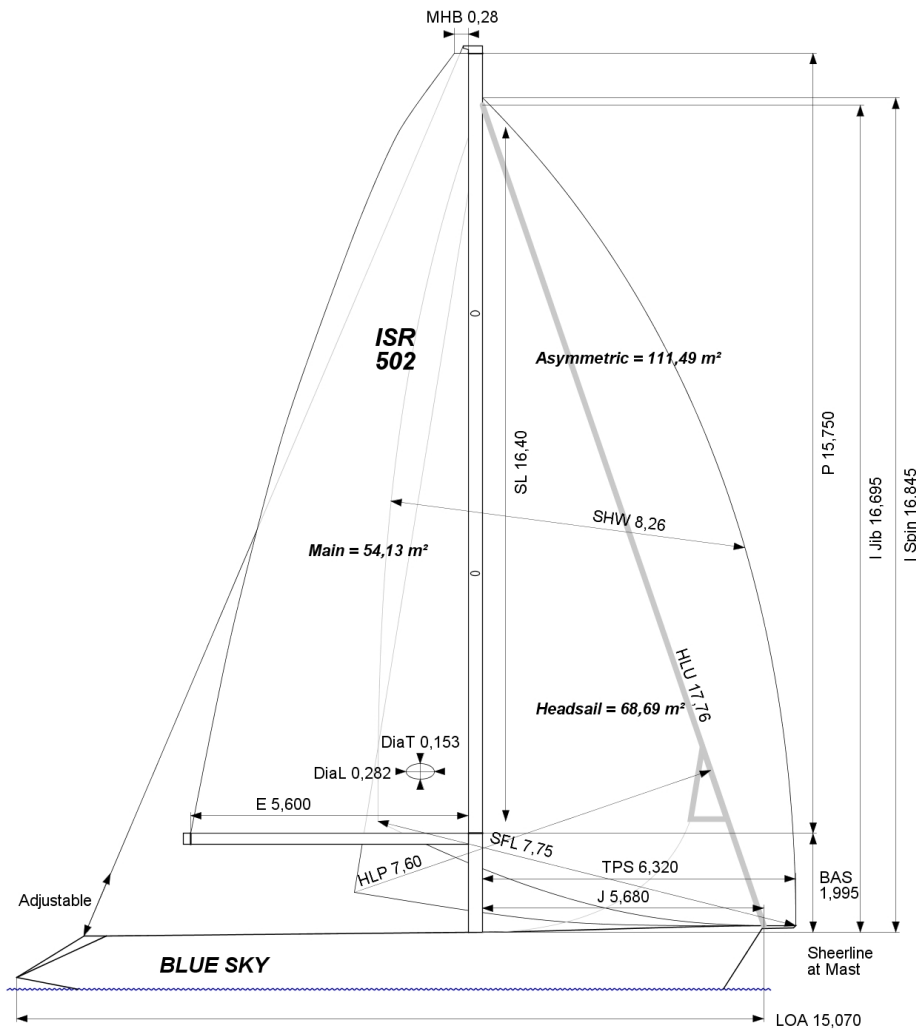
Class Division Length

CDL = 10.698

Stability (Estimated)

Limit Positive Stab.: **108.8°**
Stability Index: **115.4**

Owner



BOAT		GPH	HULL			
Name Blue Sky Sail Nr ISR 502		622.7	Data File ISR502	LOA 15.070m		
			Offset File SUOD49CL.OFF	MB 4.492m		
			Displacement 13,400kg	Draft 2.159m		
CLASS			IMS Division Cruiser/Racer	Dynamic All. 0.369%		
Class Sun Odyssey 50 DS			Plan Review	Construction Solid		
Designer Briand			Fiber Rigging No	Aramid Core No		
Builder Jeanneau			Crew Arm Ex	Carbon Rudder No		
Series 01/2008				Light Stanchions No		
Age Date 01/2008			IMSL 12.745m	VCGD 0.069m	Sink 33.43kg/mm	
Age Allowance 0.390%			RL 8.649m	VCGM 0.054m	WS 44.33m²	
COMMENTS			LSM0 12.721m	Displacement/Length ratio 6.5094		
			Water Ballast 0	Trim Tab No		
			BLR Index 0.0000			
PROPELLER			CENTERBOARD			
Installation Shaft exposed	PRD 0.520	NA				
Type Solid 3 blades	PIPA 0.0337					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	602.4			685.9		
Time on Time	0.9961			0.9841		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	748.8	542.8	466.8	985.4	692.5	576.6
Time on Time	0.9015	1.2436	1.4460	0.6850	0.9747	1.1707

2020

ORC Club Certificate Appendix

BOAT	
Name Blue Sky	Certificate Number 030620
Sail Nr ISR 502	Issued On 03/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1143.9	918.9	796.6	718.0	679.4	659.3	644.5
52°	724.2	591.1	516.8	472.9	453.3	445.0	438.5
60°	665.8	552.6	487.1	453.3	437.5	430.1	423.9
75°	623.1	522.6	466.1	439.5	424.8	414.7	403.0
90°	629.2	523.8	464.4	435.7	418.0	406.7	387.0
110°	662.3	534.1	462.9	430.3	411.1	393.9	364.1
120°	687.1	552.5	474.3	436.0	415.3	397.4	363.3
135°	772.8	610.0	517.3	459.7	430.5	411.9	377.2
150°	917.4	709.8	594.7	520.0	472.5	445.0	413.4
Run VMG	1059.3	819.6	686.7	600.5	545.6	511.4	443.2
Selected Courses							
Windward / Leeward	1101.6	869.3	741.6	659.2	612.5	585.4	543.8
Circular Random	888.8	704.3	602.2	541.2	503.1	478.3	447.3
Coastal / Long Distance	1097.4	812.4	658.1	560.4	510.4	476.3	424.3
Non Spinnaker	938.6	738.8	627.0	559.2	516.2	488.1	454.8

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	46.1°	44.6°	43.9°	43.5°	42.8°	42.0°	41.3°
Beat VMG	3.15	3.92	4.52	5.01	5.30	5.46	5.59
52°	4.97	6.09	6.97	7.61	7.94	8.09	8.21
60°	5.41	6.51	7.39	7.94	8.23	8.37	8.49
75°	5.78	6.89	7.72	8.19	8.47	8.68	8.93
90°	5.72	6.87	7.75	8.26	8.61	8.85	9.30
110°	5.44	6.74	7.78	8.37	8.76	9.14	9.89
120°	5.24	6.52	7.59	8.26	8.67	9.06	9.91
135°	4.66	5.90	6.96	7.83	8.36	8.74	9.54
150°	3.92	5.07	6.05	6.92	7.62	8.09	8.71
Run VMG	3.40	4.39	5.24	6.00	6.60	7.04	8.12
Gybe Angles	145.0°	146.8°	147.0°	146.8°	147.8°	170.0°	174.0°