



ORC
Offshore Racing Congress
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2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **281020**
Issued On **28/10/2020**
ORC Ref **03540000SDP**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 745kg
Maximum **745kg**
Minimum* **559kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	680.8	0.8813
Non Spin OSN	656.7	0.9137

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** 103.18
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

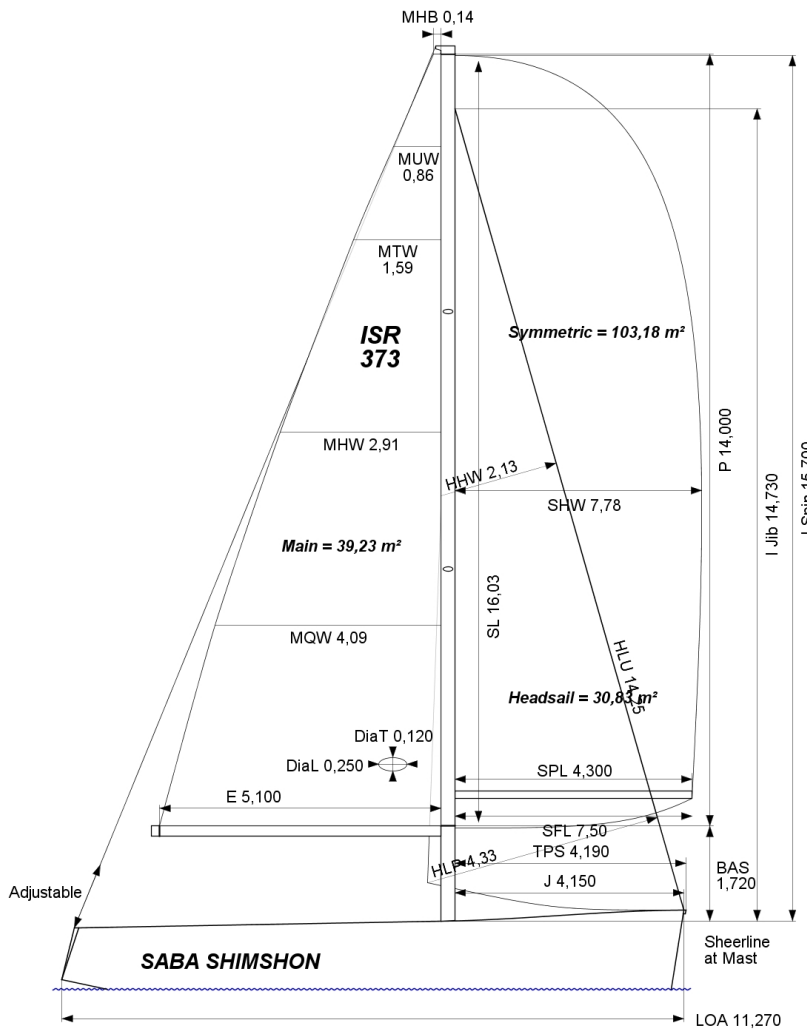
Class Division Length

CDL = 9.202

Stability (Estimated)

Limit Positive Stab.: **113.3°**
Stability Index: **115.3**

Owner



BOAT	GPH	HULL
Name Saba Shimshon Sail Nr ISR 373	637.6	Data File ISR373 LOA 11.270m Offset File HANSE375.OFF MB 3.760m Displacement 6,900kg Draft 1.991m
CLASS Class Varianta 37 Designer Judel/Vrolijk Builder Hanse Yachts Series 10/2009 Age Date 01/2015 Age Allowance 0.357%		IMS Division Cruiser/Racer Dynamic All. 0.284% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS TPS (Owner)		IMSL 10.509m VCGD 0.100m Sink 23.47kg/mm RL 7.893m VCGM 0.100m WS 30.71m² LSMO 10.575m Displacement/Length ratio 5.8346
PROPELLER Installation Strut PRD 0.400 Type Folding 2 blades PBW 0.151 PIPA 0.0036		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	616.9	691.0
Time on Time	0.9727	0.9768
Triple Number	Low Medium High	Low Medium High
Time on Distance	750.5 560.1 487.9	977.0 698.9 588.5
Time on Time	0.8994 1.2051 1.3834	0.6909 0.9658 1.1470

2020

ORC Club Certificate Appendix

BOAT	
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Sail Nr	ISR 373
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1169.1	952.9	832.1	751.6	705.9	691.4	692.3
52°	746.3	620.4	549.5	508.0	487.5	479.0	476.2
60°	697.3	585.1	523.4	491.8	474.7	465.1	460.3
75°	664.2	558.9	505.1	479.6	463.4	450.2	433.9
90°	655.9	542.1	487.4	465.0	456.3	445.4	417.4
110°	643.0	528.2	478.5	453.3	431.4	414.2	394.4
120°	661.2	540.5	484.1	457.0	433.4	410.2	374.8
135°	731.4	590.1	510.6	473.4	449.9	426.8	382.5
150°	864.5	682.1	575.8	510.7	474.9	452.8	410.5
Run VMG	998.2	787.7	664.6	583.5	529.2	488.2	443.4
Selected Courses							
Windward / Leeward	1083.7	870.3	748.4	667.6	617.5	589.8	567.9
Circular Random	895.7	716.0	617.6	559.2	522.7	499.1	471.7
Coastal / Long Distance	1075.1	813.7	668.9	578.4	529.8	496.9	446.8
Non Spinnaker	974.3	771.5	658.5	590.2	547.1	519.3	488.2

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	45.4°	43.9°	42.0°	41.6°	40.5°	39.9°	40.5°
Beat VMG	3.08	3.78	4.33	4.79	5.10	5.21	5.20
52°	4.82	5.80	6.55	7.09	7.38	7.51	7.56
60°	5.16	6.15	6.88	7.32	7.58	7.74	7.82
75°	5.42	6.44	7.13	7.51	7.77	8.00	8.30
90°	5.49	6.64	7.39	7.74	7.89	8.08	8.63
110°	5.60	6.82	7.52	7.94	8.35	8.69	9.13
120°	5.44	6.66	7.44	7.88	8.31	8.78	9.61
135°	4.92	6.10	7.05	7.60	8.00	8.43	9.41
150°	4.16	5.28	6.25	7.05	7.58	7.95	8.77
Run VMG	3.61	4.57	5.42	6.17	6.80	7.37	8.12
Gybe Angles	145.0°	149.0°	151.0°	155.0°	168.0°	180.0°	180.0°