



ORC
Offshore Racing Congress
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **024/20**
Issued On **10/06/2020**
ORC Ref **02920000KDU**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 356kg
Maximum **360kg**
Minimum* **270kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	761.7	0.7877
Non Spin OSN	732.9	0.8186

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 37.33**
Flying H/S: **No**
Spin. Pole: **No**

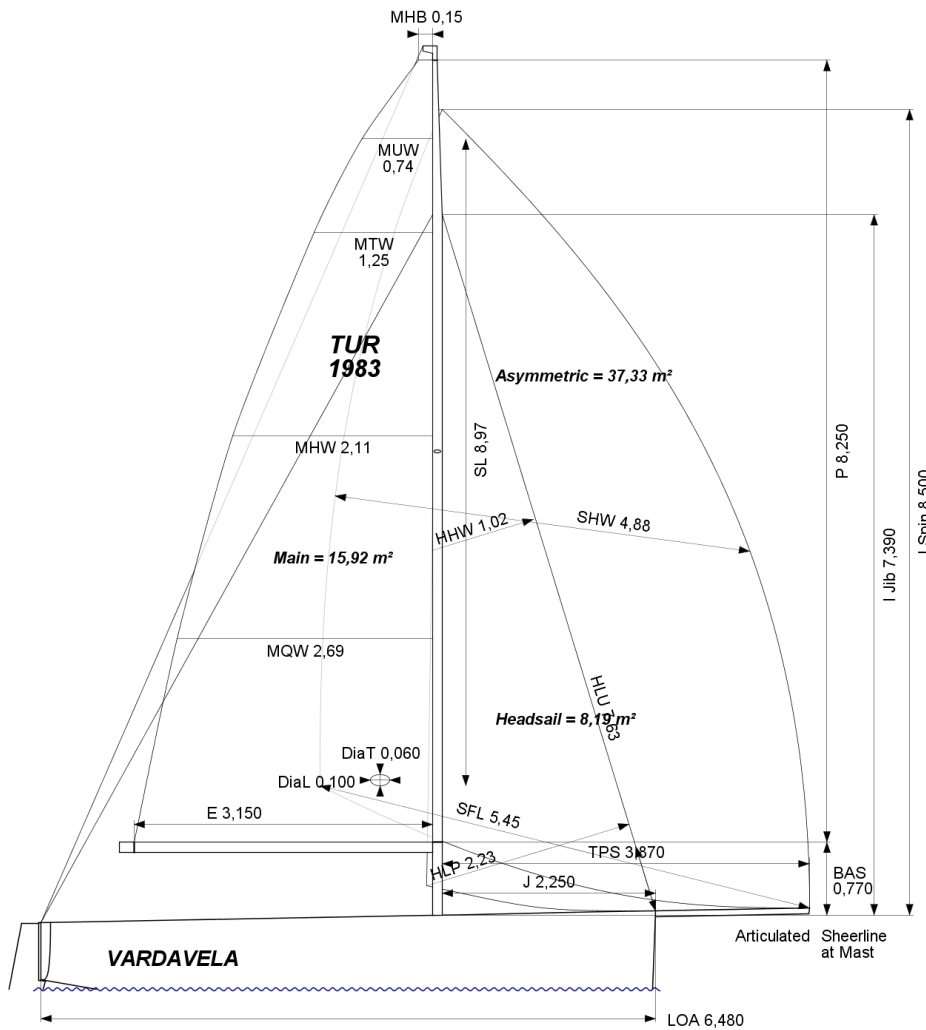
Class Division Length

CDL = 6.377

Stability (Estimated)

Limit Positive Stab.: **117.2°**
Stability Index: **108.7**

Owner



BOAT	GPH	HULL
Name VARDAVELA Sail Nr TUR-1983	703.9	Data File TUR1983 LOA 6.480m Offset File TUR1983.off MB 2.498m Displacement 850kg Draft 1.426m
CLASS Class Skippi 650 Race Designer Jerzy Piesniewski Builder Skipper Yachts Series 01/2003 Age Date 01/2003 Age Allowance 0.487%		IMS Division Sportboat Dynamic All. 0.185% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex 0.50 Carbon Rudder No Light Stanchions No
COMMENTS Modified keel. OUTBOARD ENGINE 6 HP MERCURY		IMSL 6.415m VCGD -0.169m Sink 7.37kg/mm RL 6.352m VCGM -0.155m WS 9.49m² LSM0 6.303m Displacement/Length ratio 3.3945
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD NA
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	681.8	767.7
Time on Time	0.8800	0.8793
Triple Number	Low Medium High	Low Medium High
Time on Distance	809.9 626.9 531.6	1042.6 774.6 660.6
Time on Time	0.8334 1.0768 1.2697	0.6474 0.8714 1.0218

2020

ORC Club Certificate Appendix

BOAT	
Name	VARDAVELA
Certificate Number	024/20
Sail Nr	TUR-1983
Issued On	10/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1240.4	1023.3	905.9	837.8	799.6	792.1	801.4
52°	813.0	680.9	625.2	598.4	575.5	563.2	559.6
60°	770.0	654.4	610.0	580.6	552.5	533.2	524.9
75°	736.1	630.7	588.7	559.3	528.3	496.9	468.0
90°	688.9	602.9	553.4	517.8	499.2	478.9	424.6
110°	685.8	599.2	543.1	489.1	443.5	415.9	368.7
120°	706.2	609.6	555.8	501.1	446.8	398.9	324.7
135°	782.3	644.0	588.3	537.9	487.4	438.0	310.7
150°	918.9	732.3	637.7	587.7	542.6	498.3	380.6
Run VMG	1061.0	845.6	736.3	651.5	599.2	557.7	439.4
Selected Courses							
Windward / Leeward	1150.7	934.4	821.1	744.6	699.4	674.9	620.5
Circular Random	973.3	786.6	684.2	621.1	577.8	545.0	493.5
Coastal / Long Distance	1141.7	877.5	741.4	651.2	593.5	547.2	459.5
Non Spinnaker	1073.1	857.0	738.2	666.4	619.8	587.2	542.3

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	43.1°	42.0°	40.7°	38.3°	36.6°	36.4°	37.5°
Beat VMG	2.90	3.52	3.97	4.30	4.50	4.55	4.49
52°	4.43	5.29	5.76	6.02	6.26	6.39	6.43
60°	4.68	5.50	5.90	6.20	6.52	6.75	6.86
75°	4.89	5.71	6.12	6.44	6.81	7.25	7.69
90°	5.23	5.97	6.51	6.95	7.21	7.52	8.48
110°	5.25	6.01	6.63	7.36	8.12	8.66	9.76
120°	5.10	5.91	6.48	7.18	8.06	9.02	11.09
135°	4.60	5.59	6.12	6.69	7.39	8.22	11.59
150°	3.92	4.92	5.65	6.13	6.64	7.22	9.46
Run VMG	3.39	4.26	4.89	5.53	6.01	6.45	8.19
Gybe Angles	146.0°	148.0°	150.0°	174.0°	180.0°	180.0°	134.4°