



ORC

Offshore Racing Congress
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **085/20**
Issued On **01/10/2020**
ORC Ref **02920000RAH**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 535kg
Maximum **560kg**
Minimum* **420kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	654.4	0.9169
Non Spin OSN	634.8	0.9452

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 73.62**
Flying H/S: **No**
Spin. Pole: **No**

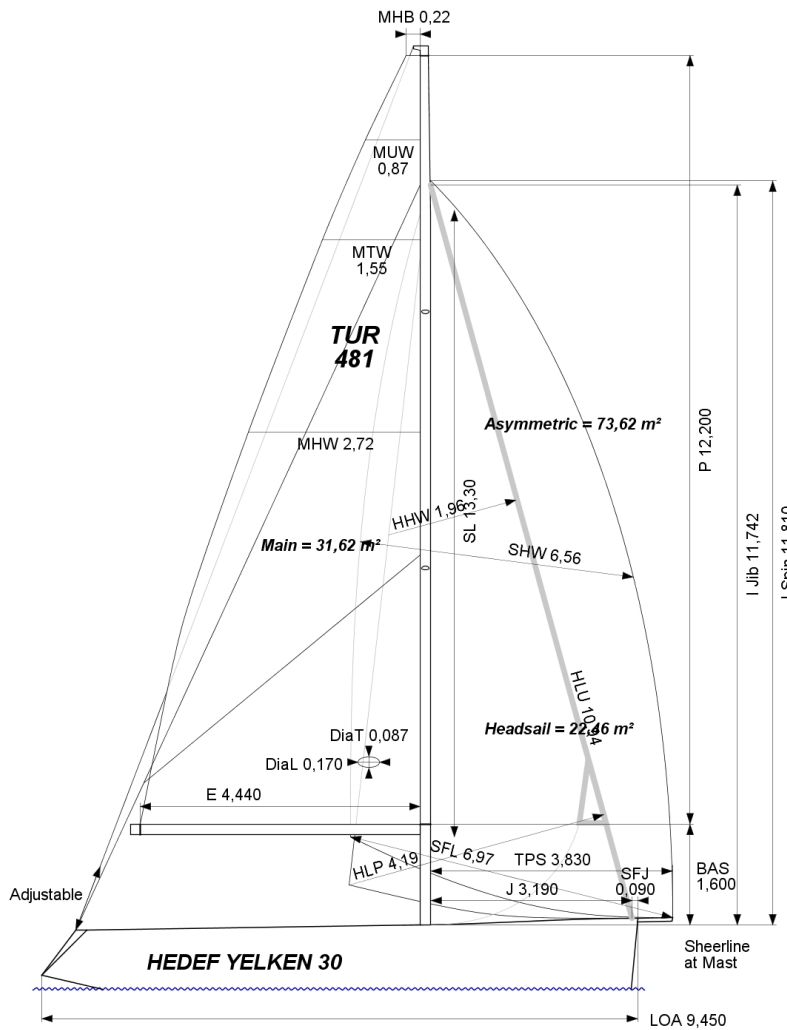
Class Division Length

CDL = 8.691

Stability (Estimated)

Limit Positive Stab.: **120.6°**
Stability Index: **114.7**

Owner



BOAT	GPH	HULL
Name Hedef Yelken 30 Sail Nr TUR-481	619.9	Data File TUR481 LOA 9.450m Offset File H3405E.OFF MB 3.258m Displacement 2,720kg Draft 1.986m
CLASS Class ILC 30 Designer J/V Builder Series 01/1996 Age Date 01/1999 Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.000% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder Yes Light Stanchions No
COMMENTS		IMSL 8.649m VCGD -0.060m Sink 13.22kg/mm RL 8.749m VCGM -0.073m WS 17.52m² LSM0 8.386m Displacement/Length ratio 4.6122
PROPELLER Installation Strut PRD 0.360 Type Feathering 2 blades PBW 0.098 PIPA 0.0032		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	604.0	680.2
Time on Time	0.9934	0.9924
Triple Number	Low Medium High	Low Medium High
Time on Distance	701.7 551.8 493.7	906.5 680.3 604.8
Time on Time	0.9619 1.2232 1.3673	0.7446 0.9922 1.1161

2020

ORC Club Certificate Appendix

BOAT	
Name	Hedef Yelken 30
Sail Nr	TUR-481
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1016.9	840.5	745.8	713.9	702.5	698.7	696.6
52°	668.9	567.8	527.8	513.1	507.2	504.4	499.4
60°	634.0	548.6	516.1	498.9	490.6	486.1	481.7
75°	610.1	536.0	506.4	482.5	464.4	455.1	448.0
90°	610.8	526.6	494.6	477.7	454.7	434.0	412.0
110°	611.3	523.0	484.6	450.1	425.6	409.6	381.4
120°	633.6	533.0	492.9	456.1	421.4	390.3	354.2
135°	717.0	578.5	518.1	483.5	448.9	415.4	344.5
150°	853.1	678.5	574.9	524.6	497.0	470.7	407.9
Run VMG	985.0	783.5	663.8	604.6	560.9	521.2	467.0
Selected Courses							
Windward / Leeward	1000.9	812.0	704.8	659.3	631.7	609.9	581.8
Circular Random	845.6	686.2	602.0	553.5	523.4	502.7	473.1
Coastal / Long Distance	999.4	763.9	639.1	574.6	536.7	502.8	448.5
Non Spinnaker	910.6	731.1	634.3	577.7	542.5	518.9	487.2

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	42.4°	40.9°	38.6°	37.5°	37.1°	37.1°	37.5°
Beat VMG	3.54	4.28	4.83	5.04	5.12	5.15	5.17
52°	5.38	6.34	6.82	7.02	7.10	7.14	7.21
60°	5.68	6.56	6.98	7.22	7.34	7.41	7.47
75°	5.90	6.72	7.11	7.46	7.75	7.91	8.04
90°	5.89	6.84	7.28	7.54	7.92	8.29	8.74
110°	5.89	6.88	7.43	8.00	8.46	8.79	9.44
120°	5.68	6.75	7.30	7.89	8.54	9.22	10.16
135°	5.02	6.22	6.95	7.45	8.02	8.67	10.45
150°	4.22	5.31	6.26	6.86	7.24	7.65	8.83
Run VMG	3.65	4.59	5.42	5.95	6.42	6.91	7.71
Gybe Angles	143.0°	147.3°	148.5°	151.0°	175.0°	178.0°	177.0°