



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

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **063/20**
Issued On **29/09/2020**
ORC Ref **02920000R11**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 553kg
Maximum **595kg**
Minimum* **446kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	629.0	0.9539
Non Spin OSN	611.9	0.9805

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 107.41**
Flying H/S: **No**
Spin. Pole: **No**

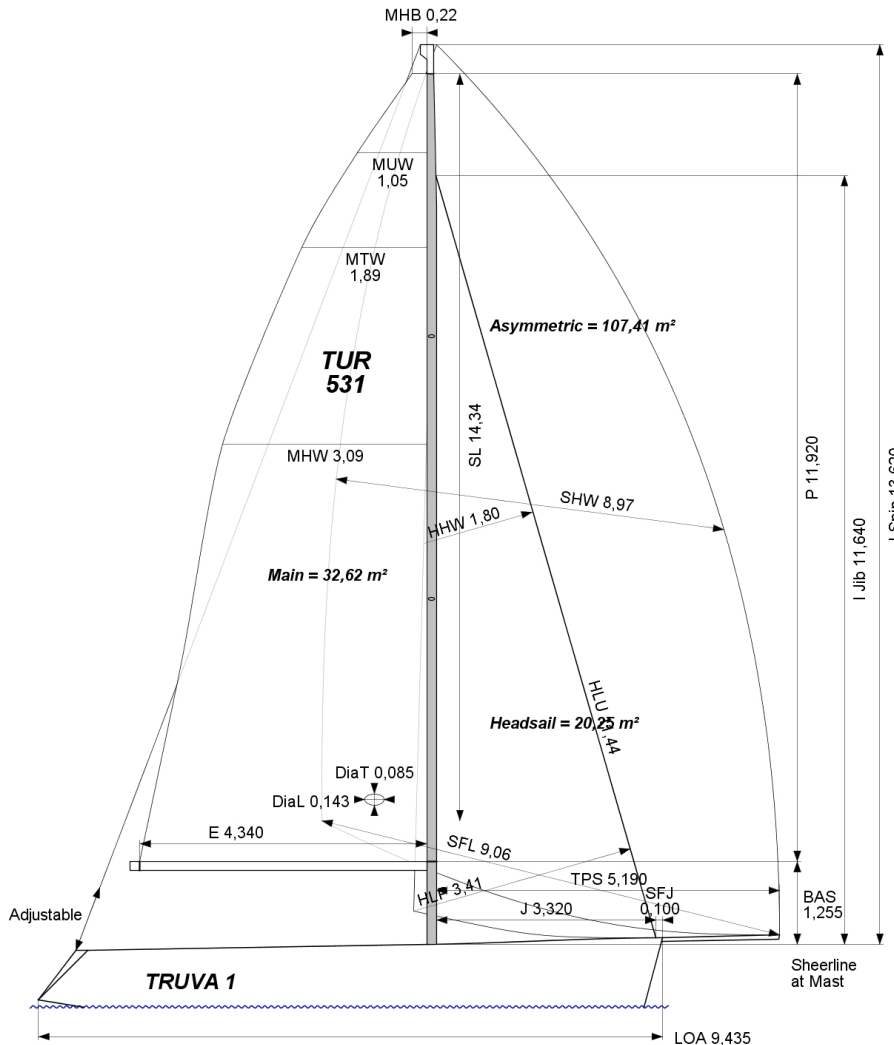
Class Division Length

CDL = 9.027

Stability (Estimated)

Limit Positive Stab.: **130.1°**
Stability Index: **123.8**

Owner



BOAT	GPH	HULL
Name Truva 1 Sail Nr TUR-531	583.2	Data File TUR531 LOA 9.435m Offset File farr30.OD.off MB 3.038m Displacement 2,142kg Draft 2.126m
CLASS Class Farr 30 Designer FARR Builder Series 03/1996 Age Date 03/1996 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 8.815m VCGD -0.389m Sink 11.57kg/mm RL 9.252m VCGM -0.327m WS 15.54m² LSM0 8.572m Displacement/Length ratio 3.4007
PROPELLER Installation Strut PRD 0.352 Type Folding 2 blades PBW 0.090 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	568.0	636.3
Time on Time	1.0564	1.0609
Triple Number	Low Medium High	Low Medium High
Time on Distance	652.0 524.1 459.2	834.6 642.3 554.9
Time on Time	1.0352 1.2879 1.4699	0.8088 1.0509 1.2164

2020

ORC Club Certificate Appendix

BOAT	
Name Truva 1	Certificate Number 063/20
Sail Nr TUR-531	Issued On 29/09/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	960.6	791.1	717.5	694.2	684.7	674.4	669.8
52°	631.7	544.0	516.0	504.3	498.1	495.1	483.3
60°	596.5	530.0	503.4	487.2	478.4	473.4	459.4
75°	574.0	519.4	490.0	463.8	446.8	437.8	428.1
90°	572.4	517.3	488.3	456.7	428.8	407.9	387.7
110°	557.9	497.9	464.0	441.5	419.2	396.4	357.5
120°	568.1	500.5	455.5	422.8	398.5	376.8	340.0
135°	642.6	526.4	478.3	431.9	386.4	345.6	298.4
150°	764.2	609.8	528.7	484.2	444.2	399.3	308.2
Run VMG	882.5	704.1	610.9	559.1	512.9	461.1	355.9
Selected Courses							
Windward / Leeward	921.6	747.6	664.2	626.7	598.8	567.7	512.8
Circular Random	788.6	644.2	567.7	522.3	491.8	468.5	431.5
Coastal / Long Distance	917.6	706.0	604.5	546.9	509.0	472.1	410.8
Non Spinnaker	870.6	701.7	610.5	556.4	521.4	496.6	460.8

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	42.0°	40.5°	37.5°	36.4°	36.0°	35.3°	35.6°
Beat VMG	3.75	4.55	5.02	5.19	5.26	5.34	5.37
52°	5.70	6.62	6.98	7.14	7.23	7.27	7.45
60°	6.03	6.79	7.15	7.39	7.53	7.60	7.84
75°	6.27	6.93	7.35	7.76	8.06	8.22	8.41
90°	6.29	6.96	7.37	7.88	8.40	8.83	9.29
110°	6.45	7.23	7.76	8.15	8.59	9.08	10.07
120°	6.34	7.19	7.90	8.52	9.03	9.55	10.59
135°	5.60	6.84	7.53	8.34	9.32	10.42	12.06
150°	4.71	5.90	6.81	7.43	8.10	9.02	11.68
Run VMG	4.08	5.11	5.89	6.44	7.02	7.81	10.12
Gybe Angles	143.0°	146.0°	150.5°	150.0°	147.0°	144.3°	144.5°