



ORC
Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **065/20**
Issued On **30/09/2020**
ORC Ref **02920000R29**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 786kg
Maximum **860kg**
Minimum* **645kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	562.1	1.0674
Non Spin OSN	549.3	1.0924

Sails Limitations

Headsails **6** Spinnakers **4**

Spinnaker configuration
Symmetric: **Yes 156.64**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

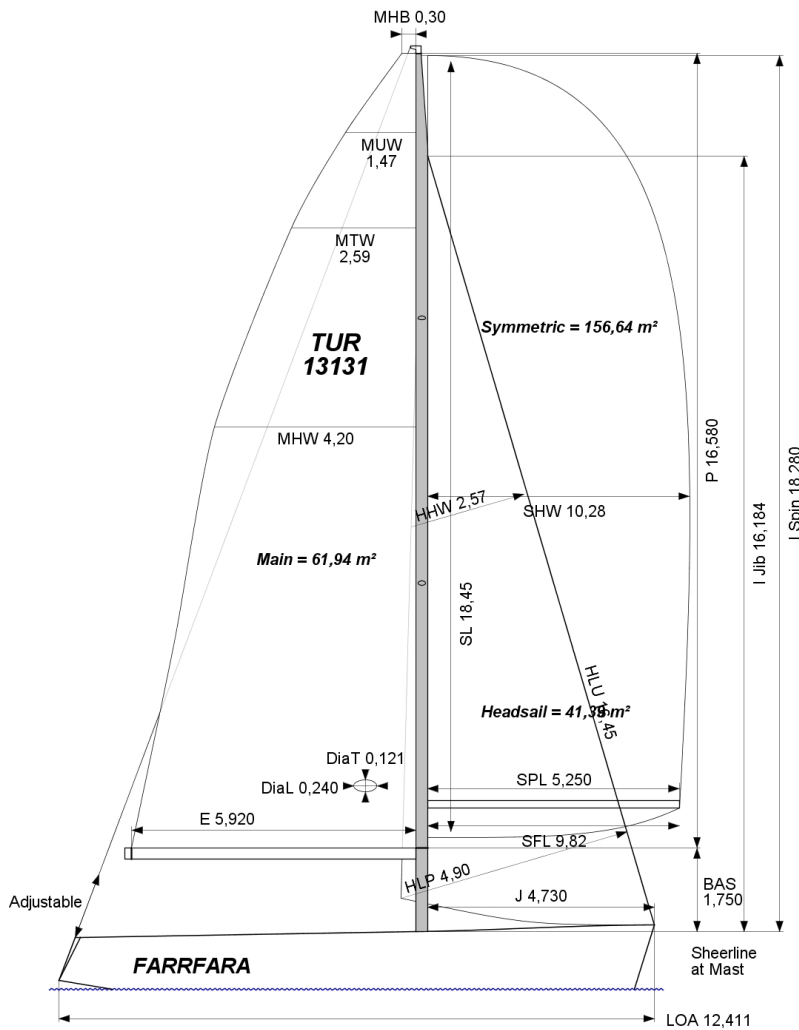
Class Division Length

CDL = 11.269

Stability (Estimated)

Limit Positive Stab.: **127.4°**
Stability Index: **123.9**

Owner



BOAT		GPH	HULL			
Name FARRFARA Sail Nr TUR-13131		528.8	Data File TUR13131	LOA 12.411m		
			Offset File FARR40.OD.OFF	MB 3.956m		
			Displacement 5,100kg	Draft 2.598m		
CLASS			IMS Division Performance	Dynamic All. 0.000%		
Class Farr 40			Plan Review	Construction Cored		
Designer Farr			Fiber Rigging No	Aramid Core No		
Builder Carroll			Crew Arm Ex	Carbon Rudder Yes		
Series 01/1996				Light Stanchions No		
Age Date 01/1998			IMSL 11.265m	VCGD -0.248m	Sink 21.13kg/mm	
Age Allowance 0.487%			RL 11.287m	VCGM -0.252m	WS 27.91m²	
COMMENTS			LSM0 10.975m	Displacement/Length ratio 3.8579		
			Water Ballast 0	Trim Tab No		
			BLR Index 0.0000			
PROPELLER			CENTERBOARD			
Installation Strut	PRD 0.407	N/A				
Type Folding 2 blades	PIPA 0.0035					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	515.3			576.9		
Time on Time	1.1643			1.1701		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	590.4	474.2	420.6	758.0	581.6	509.1
Time on Time	1.1432	1.4233	1.6048	0.8905	1.1605	1.3258

2020

ORC Club Certificate Appendix

BOAT	
Name FARRFARA	Certificate Number 065/20
Sail Nr TUR-13131	Issued On 30/09/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	857.2	704.9	650.0	628.5	616.3	601.7	599.4
52°	562.2	480.1	459.1	450.5	445.8	439.4	432.5
60°	530.2	466.0	446.1	436.7	430.7	425.5	413.6
75°	506.7	456.2	431.6	414.1	404.5	398.4	385.4
90°	509.4	456.0	428.8	403.2	384.1	372.3	360.1
110°	528.1	453.8	424.3	403.9	385.1	368.6	327.6
120°	542.1	457.4	420.5	391.4	372.0	354.6	319.4
135°	598.1	483.6	439.7	403.7	368.9	335.2	291.3
150°	709.2	563.7	483.8	442.1	409.4	377.6	311.6
Run VMG	819.0	651.0	558.6	502.6	465.2	433.5	359.8
Selected Courses							
Windward / Leeward	838.1	677.9	604.3	565.6	540.7	517.6	479.6
Circular Random	715.9	583.7	514.2	473.9	447.8	428.6	399.8
Coastal / Long Distance	836.2	639.5	548.3	494.8	462.1	432.2	382.4
Non Spinnaker	775.6	626.0	545.6	498.1	467.6	446.3	417.1

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	42.8°	40.9°	38.3°	37.5°	36.8°	36.0°	36.7°
Beat VMG	4.20	5.11	5.54	5.73	5.84	5.98	6.01
52°	6.40	7.50	7.84	7.99	8.08	8.19	8.32
60°	6.79	7.73	8.07	8.24	8.36	8.46	8.70
75°	7.10	7.89	8.34	8.69	8.90	9.04	9.34
90°	7.07	7.89	8.40	8.93	9.37	9.67	10.00
110°	6.82	7.93	8.48	8.91	9.35	9.77	10.99
120°	6.64	7.87	8.56	9.20	9.68	10.15	11.27
135°	6.02	7.44	8.19	8.92	9.76	10.74	12.36
150°	5.08	6.39	7.44	8.14	8.79	9.53	11.55
Run VMG	4.40	5.53	6.45	7.16	7.74	8.30	10.01
Gybe Angles	143.0°	143.5°	150.3°	157.0°	172.0°	180.0°	145.0°