



ORC
Offshore Racing Congress
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2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **140901**
Issued On **15/10/2020**
ORC Ref **03190000S1U**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default **578kg**
Maximum **350kg**
Minimum* **263kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	648.9	0.9246
Non Spin OSN	629.6	0.9530

Sails Limitations

Headsails **5** Spinnakers **0**
Woven Polyester

Spinnaker configuration

Symmetric: **No**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pde: **No**

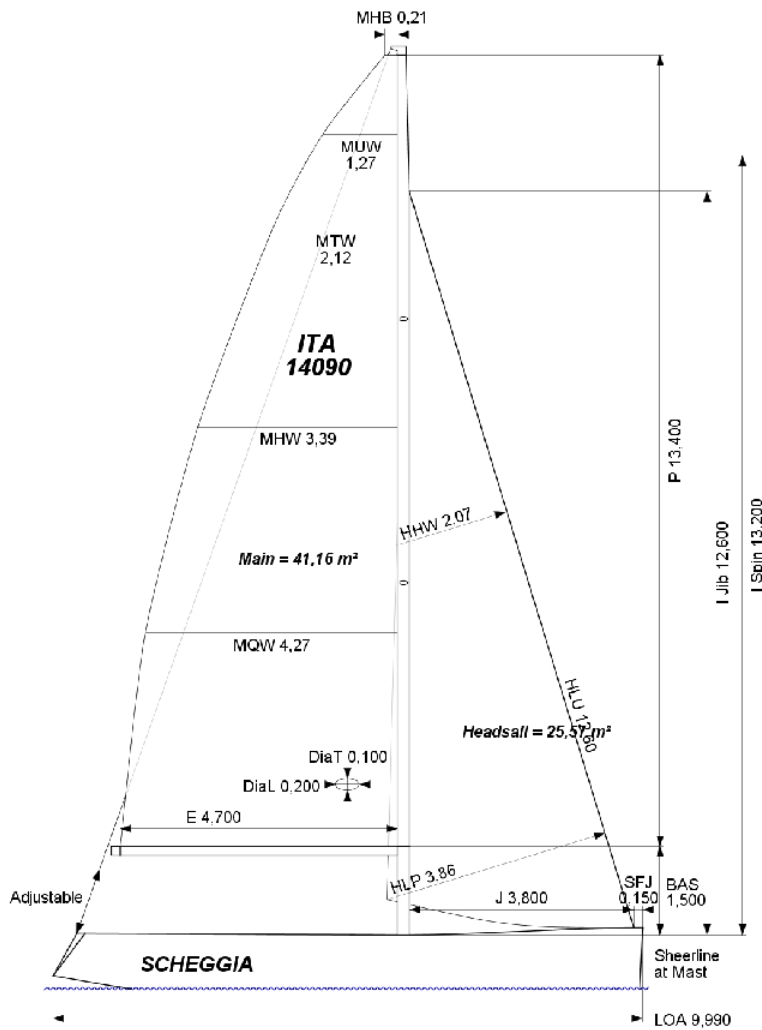
Class Division Length

CDL = 8.774

Stability (Estimated)

Limit Positive Stab.: **122.7°**
Stability Index: **117.4**

Owner



BOAT		GPH		HULL			
Name SCHEGGIA Sail Nr ITA-14090		648.9		Data File 14090	LOA 9.990m		
				Offset File EVO10MCL.OFF	MB 3.498m		
				Displacement 3,350kg	Draft 2.552m		
				IMS Division Performance	Dynamic All. 0.000%		
				Plan Review	Construction Solid		
				Fiber Rigging No	Aramid Core No		
				Crew Arm Ex	Carbon Rudder No		
					Light Stanchions No		
				IMSL 9.127m	VCGD -0.200m	Sink 15.00kg/mm	
				RL 8.422m	VCGM -0.185m	WS 20.26m²	
				LSM0 8.848m	Displacement/Length ratio 4.8363		
				Water Ballast 0	Trim Tab No		
				BLR Index 0.0000			
				CENTERBOARD			
				N/A			
				PROPELLER			
				Installation Shaft exposed	PRD 0.350		
				Type Solid 2 blades	PBW 0.100		
					PIPA 0.0146		
SCORING OPTIONS							
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time on Distance	629.6			701.6			
Time on Time	0.9530			0.9621			
Triple Number	Low	Medium	High	Low	Medium	High	
Time on Distance	756.0	571.3	501.9	990.2	707.3	603.1	
Time on Time	0.8929	1.1815	1.3448	0.6817	0.9544	1.1192	

2020

ORC Club Certificate Appendix

BOAT	
Name SCHEGGIA	Certificate Number 140901
Sail Nr ITA-14090	Issued On 15/10/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1021.1	833.0	752.5	727.6	717.7	700.4	698.3
52°	674.2	559.7	521.9	511.0	506.1	501.1	494.9
60°	639.2	538.9	507.3	495.8	490.1	487.4	476.8
75°	612.6	525.9	494.4	476.0	464.7	458.4	448.7
90°	618.3	526.9	492.0	467.3	446.5	431.2	418.5
110°	692.7	562.6	505.5	476.1	448.0	421.1	386.6
120°	735.8	595.8	522.7	489.1	461.2	433.4	378.9
135°	867.5	683.6	577.6	518.3	487.5	460.6	408.3
150°	1039.1	796.4	659.3	570.0	517.3	487.6	435.8
Run VMG	1199.8	907.0	739.8	632.3	557.2	511.4	456.4
Selected Courses							
Windward / Leeward	1110.4	870.0	746.2	679.9	637.4	605.9	577.4
Circular Random	907.4	726.1	628.6	571.7	536.2	512.5	482.4
Coastal / Long Distance	1119.4	818.9	672.7	593.1	549.0	513.2	456.7
Non Spinnaker	907.4	726.1	628.6	571.7	536.2	512.5	482.4

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°	40.9°	39.4°	38.3°	38.3°	37.9°	38.6°
Beat VMG	3.53	4.32	4.78	4.95	5.02	5.14	5.16
52°	5.34	6.43	6.90	7.04	7.11	7.18	7.27
60°	5.63	6.68	7.10	7.26	7.35	7.39	7.55
75°	5.88	6.85	7.28	7.56	7.75	7.85	8.02
90°	5.82	6.83	7.32	7.70	8.06	8.35	8.60
110°	5.20	6.40	7.12	7.56	8.04	8.55	9.31
120°	4.89	6.04	6.89	7.36	7.81	8.31	9.50
135°	4.15	5.27	6.23	6.95	7.39	7.82	8.82
150°	3.46	4.52	5.46	6.32	6.96	7.38	8.26
Run VMG	3.00	3.97	4.87	5.69	6.46	7.04	7.89
Gybe Angles	146.0°	171.0°	173.0°	174.0°	176.0°	179.0°	179.0°