



ORC
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **154/20**
Issued On **09/09/2020**
ORC Ref **03880000Q2Q**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 627kg
Maximum **670kg**
Minimum* **503kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	661.8	0.9066
Non Spin OSN	641.8	0.9348

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** 90.42
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

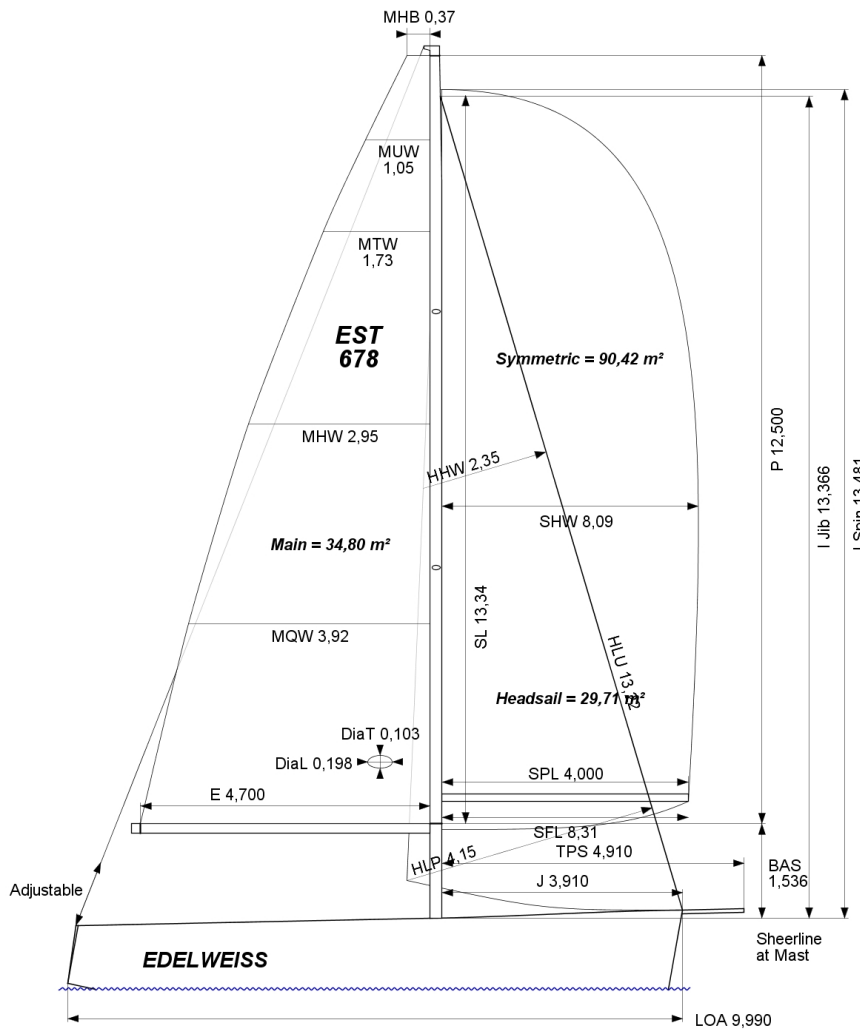
Class Division Length

CDL = 9.004

Stability (Measured)

Limit Positive Stab.: **114.0°**
Stability Index: **114.2**

Owner



BOAT	GPH	HULL
Name EdelWeiss Sail Nr EST 678	626.7	Data File EST678 LOA 9.990m Offset File T34-VER.OFF MB 3.296m Displacement 4,445kg Draft 2.249m
CLASS Class T-34 Designer Lostuzzi design Builder T-Yachts Series 04/2009 Age Date 06/2009 Age Allowance 0.357%		IMS Division Cruiser/Racer Dynamic All. 0.164% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder Yes Light Stanchions No
COMMENTS		IMSL 9.535m VCGD 0.166m Sink 17.87kg/mm RL 8.484m VCGM 0.109m WS 23.10m² LSM0 9.371m Displacement/Length ratio 5.4015
PROPELLER Installation Strut PRD 0.382 Type Folding 3 blades PBW 0.098 PIPA 0.0036		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	609.2	679.3
Time on Time	0.9849	0.9936
Triple Number	Low Medium High	Low Medium High
Time on Distance	716.6 555.3 497.1	925.5 680.6 595.0
Time on Time	0.9419 1.2156 1.3580	0.7293 0.9918 1.1344

2020

ORC Club Certificate Appendix

BOAT			
Name	EdeIWeiss	Certificate Number	154/20
Sail Nr	EST 678	Issued On	09/09/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1054.6	874.3	770.1	724.9	710.8	706.2	695.5
52°	690.6	584.5	531.1	511.0	504.7	502.0	495.9
60°	652.7	558.6	517.1	498.7	491.2	487.7	482.8
75°	625.8	540.4	506.6	487.1	473.0	464.9	459.1
90°	634.2	538.5	500.0	484.6	466.3	448.9	428.2
110°	631.2	528.0	489.5	463.6	444.7	432.4	409.5
120°	648.1	536.8	493.9	465.6	437.5	414.1	387.6
135°	716.1	580.5	514.1	483.3	455.7	427.8	372.2
150°	855.0	680.5	572.3	513.0	484.6	459.2	408.4
Run VMG	987.3	785.8	660.9	581.7	530.3	496.7	447.9
Selected Courses							
Windward / Leeward	1021.0	830.1	715.5	653.3	620.6	601.4	571.7
Circular Random	860.8	695.9	608.1	557.5	526.7	506.3	478.6
Coastal / Long Distance	1017.6	779.8	647.1	574.8	537.5	507.5	458.4
Non Spinnaker	923.5	740.3	641.2	583.4	548.0	525.0	495.3

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	42.8°	41.3°	40.1°	38.6°	38.3°	38.3°	38.3°
Beat VMG	3.41	4.12	4.67	4.97	5.06	5.10	5.18
52°	5.21	6.16	6.78	7.05	7.13	7.17	7.26
60°	5.52	6.44	6.96	7.22	7.33	7.38	7.46
75°	5.75	6.66	7.11	7.39	7.61	7.74	7.84
90°	5.68	6.68	7.20	7.43	7.72	8.02	8.41
110°	5.70	6.82	7.35	7.76	8.10	8.32	8.79
120°	5.56	6.71	7.29	7.73	8.23	8.69	9.29
135°	5.03	6.20	7.00	7.45	7.90	8.41	9.67
150°	4.21	5.29	6.29	7.02	7.43	7.84	8.81
Run VMG	3.65	4.58	5.45	6.19	6.79	7.25	8.04
Gybe Angles	139.5°	149.0°	149.5°	158.0°	180.0°	180.0°	180.0°