



ORC

Offshore Racing Congress
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2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **046/20**
Issued On **05/06/2020**
ORC Ref **03880000K09**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 627kg
Maximum **700kg**
Minimum* **525kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	661.7	0.9068
Non Spin OSN	641.5	0.9354

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **Yes** 97.50
Asymmetric: **Yes** 100.85
Flying H/S: **No**
Spin. Pole: **Yes**

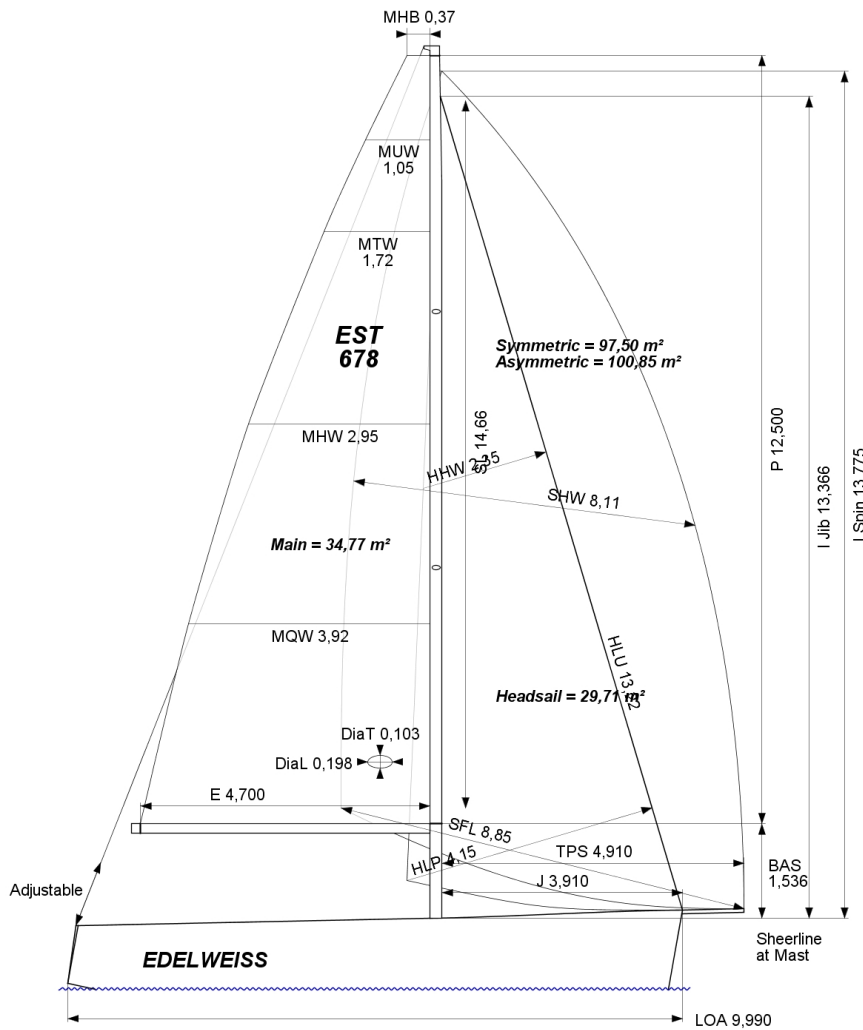
Class Division Length

CDL = 9.025

Stability (Measured)

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

Owner



BOAT	GPH	HULL
Name EdelWeiss Sail Nr EST-678	622.9	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. 0.167% 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 8.527m 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	605.5	675.5
Time on Time	0.9909	0.9993
Triple Number	Low Medium High	Low Medium High
Time on Distance	710.6 552.4 494.4	918.5 677.0 592.4
Time on Time	0.9499 1.2219 1.3653	0.7349 0.9971 1.1394

2020

ORC Club Certificate Appendix

BOAT	
Name EdeIWeiss	Certificate Number 046/20
Sail Nr EST-678	Issued On 05/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1057.7	874.4	769.8	723.1	708.7	703.9	692.9
52°	690.4	584.4	531.0	510.5	504.0	501.1	495.3
60°	652.7	558.5	517.1	498.4	490.5	486.9	482.2
75°	626.0	540.3	506.6	487.0	472.6	464.1	458.0
90°	625.6	529.0	495.5	483.7	466.2	448.6	427.1
110°	616.3	520.4	484.8	458.8	440.2	428.0	405.1
120°	634.1	528.8	489.6	460.8	432.3	408.8	381.1
135°	706.8	572.8	509.9	479.8	451.3	423.1	365.9
150°	838.9	669.4	566.4	509.0	481.3	455.2	403.7
Run VMG	968.7	773.0	654.1	576.4	526.8	494.2	444.7
Selected Courses							
Windward / Leeward	1013.2	823.7	711.9	649.7	617.8	599.0	568.8
Circular Random	854.4	691.3	604.5	554.5	523.9	503.6	475.5
Coastal / Long Distance	1008.7	773.3	643.8	572.0	535.0	504.9	455.4
Non Spinnaker	924.0	740.4	641.0	583.1	547.5	524.3	494.5

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	43.5°	41.3°	40.1°	38.6°	38.3°	37.9°	38.1°
Beat VMG	3.40	4.12	4.68	4.98	5.08	5.11	5.20
52°	5.21	6.16	6.78	7.05	7.14	7.18	7.27
60°	5.52	6.45	6.96	7.22	7.34	7.39	7.47
75°	5.75	6.66	7.11	7.39	7.62	7.76	7.86
90°	5.75	6.81	7.27	7.44	7.72	8.03	8.43
110°	5.84	6.92	7.43	7.85	8.18	8.41	8.89
120°	5.68	6.81	7.35	7.81	8.33	8.81	9.45
135°	5.09	6.28	7.06	7.50	7.98	8.51	9.84
150°	4.29	5.38	6.36	7.07	7.48	7.91	8.92
Run VMG	3.72	4.66	5.50	6.25	6.83	7.29	8.09
Gybe Angles	144.0°	148.0°	149.5°	158.0°	180.0°	180.0°	180.0°