

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **005/20**
Issued On **18/06/2020**
ORC Ref **03880000KWB**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 763kg
Maximum **900kg**
Minimum* **675kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	716.0	0.8380
Non Spin OSN	690.0	0.8695

Sails Limitations

Headsails **1** Spinnakers **4**
Woven Polyester
Asymmetric on centerline
Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 75.51**
Flying H/S: **No**
Spin. Pole: **No**

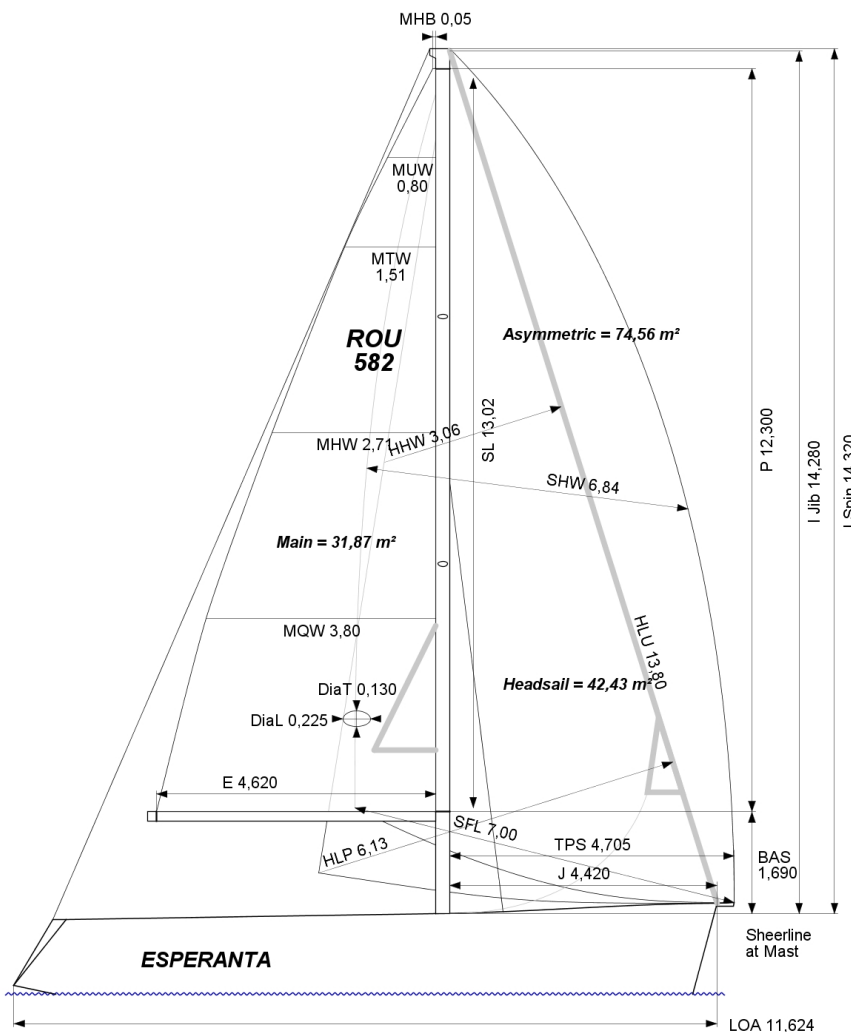
Class Division Length

CDL = 8.819

Stability (Estimated)

Limit Positive Stab.: **120.8°**
Stability Index: **122.6**

Owner



BOAT	GPH	HULL
Name Esperanta Sail Nr ROU-582	687.7	Data File ROU582 LOA 11.624m Offset File OC393HM.OFF MB 3.988m Displacement 7,800kg Draft 1.896m
CLASS Class Oceanis 393 C Designer Berret/Racoupeau Builder Beneteau Series 02/2001 Age Date 02/2005 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.402% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 10.735m VCGD -0.050m Sink 23.07kg/mm RL 6.907m VCGM 0.039m WS 30.78m² LSM0 10.753m Displacement/Length ratio 6.2734
PROPELLER Installation Shaft exposed PRD 0.420 Type Solid 3 blades PBW 0.135 PIPA 0.0231		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	664.8	753.7
Time on Time	0.9025	0.8956
Triple Number	Low Medium High	Low Medium High
Time on Distance	827.2 600.2 512.8	1085.0 765.2 628.7
Time on Time	0.8160 1.1247 1.3163	0.6221 0.8821 1.0736

2020

ORC Club Certificate Appendix

BOAT	
Name	Esperanta
Sail Nr	ROU-582
Certificate Number	005/20
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1279.9	1028.7	894.0	803.5	741.3	715.1	706.2
52°	806.8	658.6	578.8	527.4	500.3	488.1	482.6
60°	744.8	615.4	543.6	504.8	484.8	473.8	466.7
75°	702.0	585.2	519.1	488.9	472.3	460.1	444.0
90°	710.4	590.4	514.2	478.9	460.2	447.3	430.7
110°	720.5	584.7	507.8	474.4	454.2	435.5	401.0
120°	749.4	605.5	520.8	480.6	458.8	439.8	401.7
135°	840.0	665.2	566.0	504.6	474.6	455.1	418.1
150°	990.7	769.0	648.8	569.9	521.4	491.5	457.1
Run VMG	1143.9	888.0	749.2	658.1	602.0	552.2	484.2
Selected Courses							
Windward / Leeward	1211.9	958.3	821.6	730.8	671.7	633.6	595.2
Circular Random	982.2	778.4	665.2	597.0	554.0	526.0	493.3
Coastal / Long Distance	1205.1	895.7	728.8	620.9	561.5	521.8	468.0
Non Spinnaker	1037.0	815.9	691.9	616.1	567.9	536.6	501.3

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	46.9°	45.0°	44.3°	43.5°	42.4°	41.4°	41.3°
Beat VMG	2.81	3.50	4.03	4.48	4.86	5.03	5.10
52°	4.46	5.47	6.22	6.83	7.20	7.38	7.46
60°	4.83	5.85	6.62	7.13	7.43	7.60	7.71
75°	5.13	6.15	6.94	7.36	7.62	7.82	8.11
90°	5.07	6.10	7.00	7.52	7.82	8.05	8.36
110°	5.00	6.16	7.09	7.59	7.93	8.27	8.98
120°	4.80	5.95	6.91	7.49	7.85	8.19	8.96
135°	4.29	5.41	6.36	7.13	7.59	7.91	8.61
150°	3.63	4.68	5.55	6.32	6.91	7.32	7.88
Run VMG	3.15	4.05	4.81	5.47	5.98	6.52	7.43
Gybe Angles	145.0°	146.0°	146.3°	146.0°	147.5°	171.0°	175.0°