

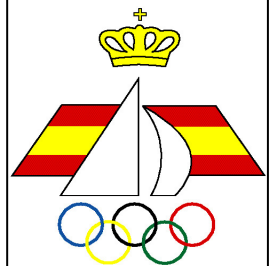


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2020
International
Double Handed

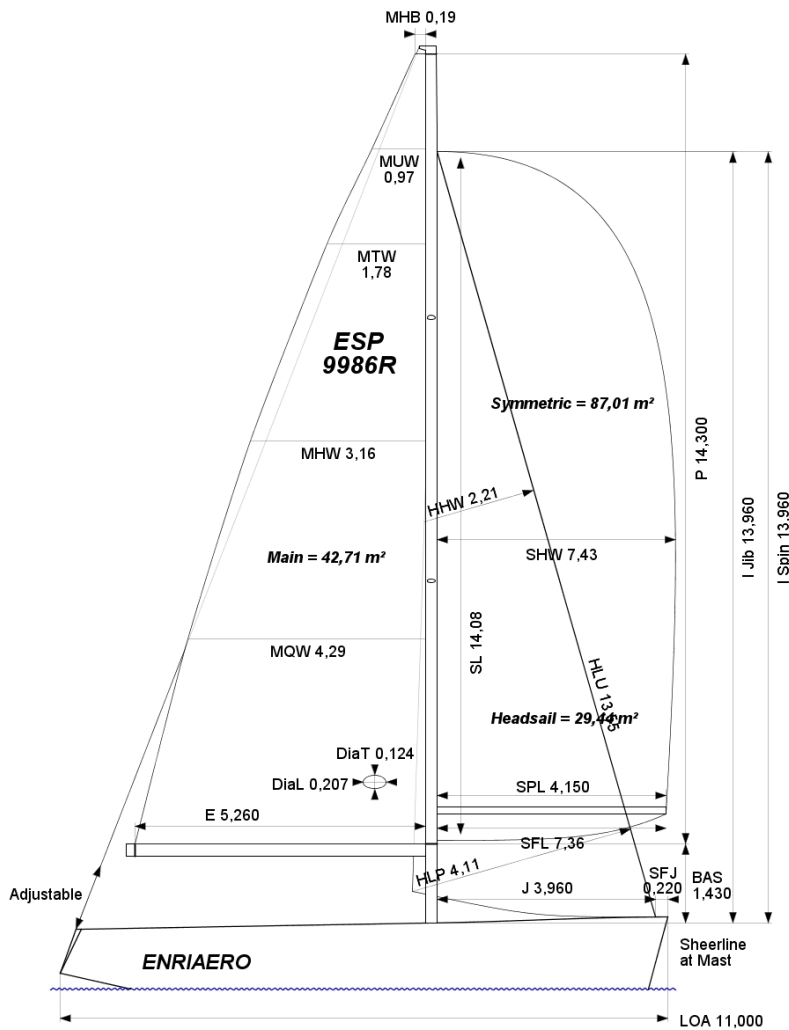
Rating Office

R.F.E.V.
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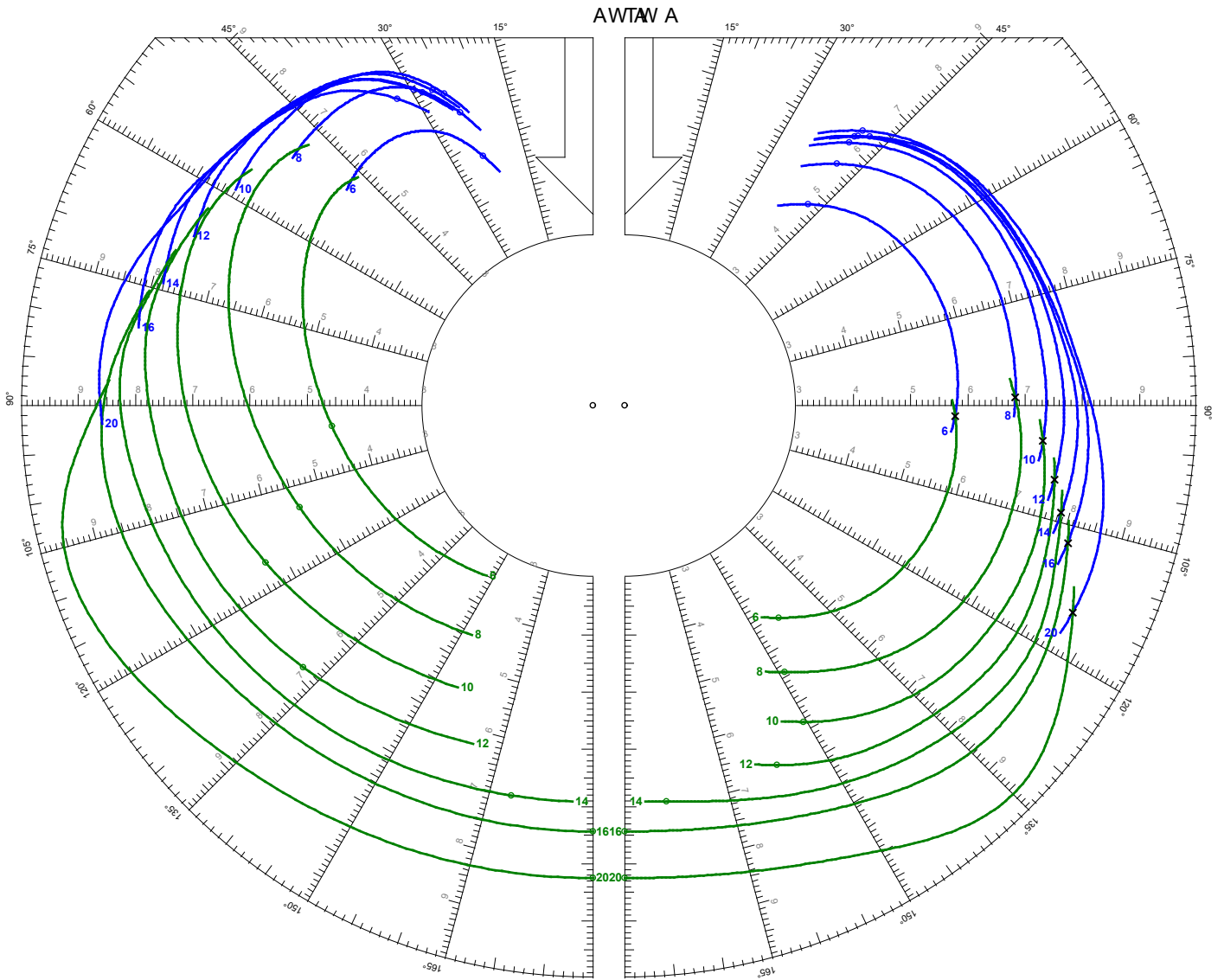


Certificate

Number **9986R1**
Issued On **02/07/2020**
ORC Ref **03510000LR8**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



BOAT Name ENRIAERO Sail Nr ESP-9986_R		GPH 628,3	HULL Data File E9986_R LOA 11,000m Offset File VR0LJK37- MB 3,250m Displacement 5.168kg Draft 2,214m		Crew Weight Default 170kg Maximum 170kg Non Manual Pwr No	
CLASS Class VR0LIJK 37 Designer JUDEL/VR0LIJK Builder QBOATS Series 05/2003 Age Date 05/2006 Age Allowance 0,487%			IMS Division Cruiser/Racer Dynamic All. 0,083% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions		Sails Limitations Headsails 5 Spinnakers 4	
COMMENTS 735,65 KG DE LASTRE EN SENTINA 2019 PESADO CON 1 DINA.03/19. 180 kg EN ORZA 01/20. SOLO VALIDO TRIP.REDUCIDA			IMSL 9,789m VCGD 0,147m Sink 18,60kg/mm RL 7,497m VCGM 0,251m WS 24,53m² LSM0 9,550m Displacement/Length ratio		Spinnaker configuration Symmetric: Yes 87,01 Asymmetric: No Flying H/S: No Spin. Pole: Yes	
PROPELLER Installation Strut PRD 0,423 Type Folding 2 blades PIPA 0,0034			CENTERBOARD N/A		Stability (Measured) Limit Positive Stab.: 107,9° Stability Index: 110,8	
SCORING OPTIONS						
	Time on Distance	Time on Time				
Coastal or Long Distance	613,8	0,9775				
Circular Random	628,3	0,9550				
Predominantly Upwind	615,1	0,9755				
Predominantly Downwind	561,2	1,0691				
Owner						



Polar Plot for Boat	
Name	ENRIAERO
Sail Number	ESP-9986_R
Class	VROLIJK 37
Designer	JUDEL/VROLIJK
Builder	QBOATS
Issued On	02/07/2020 - VPP 2020 1.02

2020

Double Handed Certificate Appendix

BOAT	
Name	ENRIAERO
Sail Nr	ESP-9986_R
Certificate Number	9986R1
Issued On	02/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1031,4	858,5	789,4	771,2	768,6	753,8	770,0
52°	680,4	572,3	531,7	521,4	518,1	511,4	511,1
60°	645,6	546,2	510,0	500,9	497,5	494,1	489,8
75°	618,8	528,5	493,8	480,3	475,0	472,4	465,5
90°	623,6	527,4	491,0	471,1	457,6	449,0	443,3
110°	624,2	518,1	479,0	463,2	451,2	440,6	418,3
120°	642,5	529,6	483,2	457,0	437,5	425,0	404,4
135°	711,2	577,5	506,7	474,0	448,2	422,7	376,9
150°	846,0	673,0	567,6	505,7	475,0	450,5	403,4
Run VMG	976,8	777,1	655,2	576,3	523,1	486,5	438,6
Selected Courses							
Windward / Leeward	1004,1	817,8	722,3	673,7	645,9	620,2	604,3
Circular Random	853,3	693,1	609,7	563,6	536,6	519,8	501,1
Coastal / Long Distance	1001,4	768,1	649,4	584,4	549,6	518,2	473,4
Non Spinnaker	909,4	732,4	638,4	585,0	553,1	533,2	511,3

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	42,4°	41,3°	40,5°	40,5°	40,9°	40,9°	42,4°
Beat VMG	3,49	4,19	4,56	4,67	4,68	4,78	4,68
52°	5,29	6,29	6,77	6,90	6,95	7,04	7,04
60°	5,58	6,59	7,06	7,19	7,24	7,29	7,35
75°	5,82	6,81	7,29	7,50	7,58	7,62	7,73
90°	5,77	6,83	7,33	7,64	7,87	8,02	8,12
110°	5,77	6,95	7,52	7,77	7,98	8,17	8,61
120°	5,60	6,80	7,45	7,88	8,23	8,47	8,90
135°	5,06	6,23	7,10	7,60	8,03	8,52	9,55
150°	4,26	5,35	6,34	7,12	7,58	7,99	8,93
Run VMG	3,69	4,63	5,49	6,25	6,88	7,40	8,21
Gybe Angles	144,0°	149,0°	150,5°	157,0°	174,0°	180,0°	180,0°