



World Leader in Rating Technology

2019 ORC Club Certificate

Rating Office



Certificate

Number
Issued On **10/10/2019**
ORC Ref **POR00000233**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default 392kg
Maximum **375kg**
Minimum* **281kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	636,4	0,9428
Double H.OSN	627,4	0,9563
Non Spin GPH	654,1	0,9173
Non Spin OSN	636,5	0,9427

Sails Limitations

Headsails **5** Spinnakers **3**

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 59,47**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = **7,517**

Stability (Estimated)

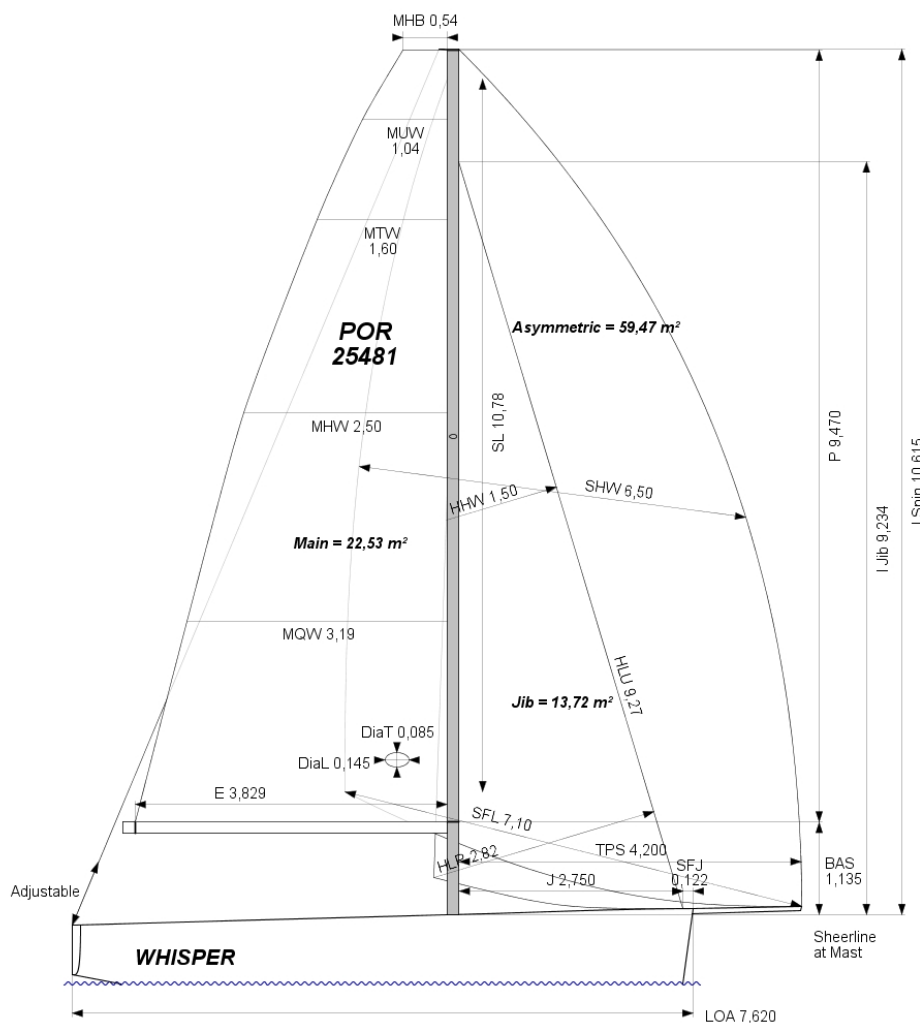
Limit Positive Stab.: **129,0°**
Stability Index: **120,5**

Owner

Rui Neves
Av. da República

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature



BOAT		GPH		HULL		
Name	WHISPER			Data File	POR25481	
Sail Nr	POR 25481			Offset File	FARR25I.OFF	
		609,5		Displacement	846kg	
				LOA	7,620m	
				MB	2,502m	
				Draft	1,786m	
CLASS				IMS Division	Sportboat	
Class				Dynamic All.	0,001%	
Designer	Bruce Farr			Fwd Accom.	No	
Builder	OD YACHTING			Construction	Cored	
Series	01/2008			Fiber Rigging	No	
Age Date	08/2019			Crew Arm Ex	Yes	
Age Allowance	0,357%			Light Stanchions	No	
COMMENTS				IMSL	7,232m	
1910 Lote 78 2645-143 Alcabideche				VCGD	-0,350m	
				Sink	7,67kg/mm	
				RL	7,801m	
				VCGM	-0,334m	
				WS	10,09m²	
				LSM0	6,740m	
				Displacement/Length ratio	2,7631	
PROPELLER				Water Ballast	0	
Type	No Propeller			Trim Tab	No	
				BLR Index	0,0000	
				CENTERBOARD		
				N/A		
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	594,2			671,2		
Time on Time	1,0097			1,0057		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	681,0	549,0	476,0	868,3	682,4	583,4
Time on Time	0,9912	1,2296	1,4181	0,7774	0,9892	1,1571



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ORC Club Certificate Appendix

BOAT	
Name	WHISPER
Sail Nr	POR 25481
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	993,1	821,1	771,0	756,0	745,3	737,9	745,3
52°	652,1	572,6	550,4	541,1	535,7	524,0	522,0
60°	618,9	557,9	529,2	516,4	509,9	498,1	491,3
75°	597,5	545,4	500,4	477,7	466,7	460,8	439,9
90°	598,9	544,5	497,9	452,7	428,1	415,6	399,8
110°	590,3	519,4	474,9	445,4	418,9	390,4	339,6
120°	602,5	526,9	463,6	424,5	399,0	370,0	324,2
135°	671,6	561,9	499,8	439,1	380,5	333,8	285,2
150°	800,2	636,3	558,4	505,6	449,9	393,8	285,8
Run VMG	924,0	734,8	645,7	583,8	519,4	454,7	330,0
Selected Courses							
Windward / Leeward	958,6	777,9	708,4	669,9	632,4	596,3	537,7
Circular Random	824,0	673,7	593,6	545,3	512,1	486,3	446,0
Coastal / Long Distance	955,1	735,6	639,9	576,6	531,3	488,1	420,0
Non Spinnaker	901,6	728,5	635,3	579,7	543,3	516,9	478,7

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	42,5°	39,7°	37,6°	37,1°	36,7°	36,7°	37,6°
Beat VMG	3,62	4,38	4,67	4,76	4,83	4,88	4,83
52°	5,52	6,29	6,54	6,65	6,72	6,87	6,90
60°	5,82	6,45	6,80	6,97	7,06	7,23	7,33
75°	6,02	6,60	7,19	7,54	7,71	7,81	8,18
90°	6,01	6,61	7,23	7,95	8,41	8,66	9,00
110°	6,10	6,93	7,58	8,08	8,59	9,22	10,60
120°	5,98	6,83	7,77	8,48	9,02	9,73	11,10
135°	5,36	6,41	7,20	8,20	9,46	10,79	12,62
150°	4,50	5,66	6,45	7,12	8,00	9,14	12,60
Run VMG	3,90	4,90	5,58	6,17	6,93	7,92	10,91
Gybe Angles	142,8°	147,6°	151,7°	148,4°	145,3°	143,0°	144,6°