



BOAT		GPH		HULL		
Name MARARA 4 Sail Nr ESP-15028_C		622.1		Data File E15028_C	LOA 10.632m	
				Offset File F003.OFF	MB 3.494m	
				Displacement 3,811kg	Draft 1.980m	
CLASS						
Class J.O.D. 35						
Designer D. ANDRIEU						
Builder JEANNEAU						
Series 01/1992						
Age Date 02/1993						
Age Allowance 0.487%						
COMMENTS						
PROPELLER		CENTERBOARD				
Installation Shaft exposed	PRD 0.300					
Type Folding 2 blades	PIPA 0.0040					
		N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	605.3			679.3		
Time on Time	0.9912			0.9937		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	715.1	550.5	487.7	929.9	681.8	593.3
Time on Time	0.9439	1.2261	1.3841	0.7259	0.9900	1.1378

2020

ORC Club Certificate Appendix

BOAT			
Name	MARARA 4	Certificate Number	150281
Sail Nr	ESP-15028_C	Issued On	22/07/2020

TIME ALLOWANCES								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	1035.7	851.7	757.8	722.1	708.4	703.3	699.1	
52°	677.8	568.2	520.5	503.8	497.3	494.0	488.6	
60°	640.0	543.7	505.5	489.1	481.5	477.2	472.4	
75°	610.7	526.7	494.0	473.7	457.6	447.7	439.5	
90°	614.9	525.4	487.6	468.5	446.4	427.0	403.7	
110°	631.8	525.0	483.9	453.7	425.0	406.7	380.8	
120°	656.8	539.5	491.5	460.9	430.0	400.8	359.2	
135°	740.9	596.6	518.7	483.5	454.5	424.6	365.5	
150°	888.2	698.3	585.7	518.0	484.6	457.3	401.9	
Run VMG	1025.6	806.3	676.0	590.4	531.8	494.0	440.8	
Selected Courses								
Windward / Leeward	1030.7	829.0	716.9	656.2	620.1	598.6	569.9	
Circular Random	859.3	692.7	603.4	551.6	519.3	497.5	468.0	
Coastal / Long Distance	1030.2	778.6	646.0	572.2	531.6	498.3	442.8	
Non Spinnaker	903.2	723.6	626.6	569.8	534.6	511.1	479.8	

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°	40.5°	39.0°	38.6°	38.6°	39.9°	
Beat VMG	3.48	4.23	4.75	4.99	5.08	5.12	5.15	
52°	5.31	6.34	6.92	7.15	7.24	7.29	7.37	
60°	5.62	6.62	7.12	7.36	7.48	7.54	7.62	
75°	5.89	6.83	7.29	7.60	7.87	8.04	8.19	
90°	5.85	6.85	7.38	7.68	8.06	8.43	8.92	
110°	5.70	6.86	7.44	7.94	8.47	8.85	9.45	
120°	5.48	6.67	7.33	7.81	8.37	8.98	10.02	
135°	4.86	6.03	6.94	7.45	7.92	8.48	9.85	
150°	4.05	5.16	6.15	6.95	7.43	7.87	8.96	
Run VMG	3.51	4.46	5.33	6.10	6.77	7.29	8.17	
Gybe Angles	144.0°	148.5°	151.0°	157.0°	180.0°	180.0°	180.0°	