



ORC
Offshore Racing Congress
World leader in rating technology

**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **200290**
Issued On **19/07/2020**
ORC Ref **0339000MPJ**
VPP Ver. **2020 1.01**
Valid until **31/03/2021**

Crew Weight

Default 511kg
Maximum **605kg**
Minimum* **454kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	642.9	0.9333
Non Spin OSN	625.5	0.9592

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes 75.22**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

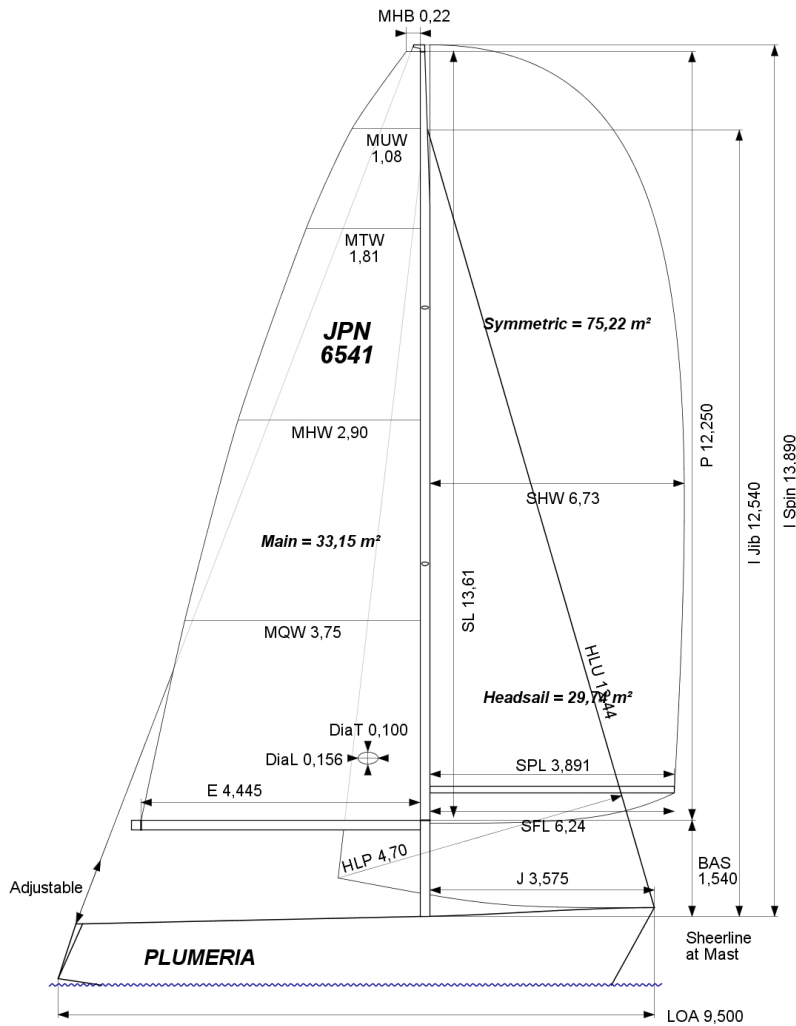
Class Division Length

CDL = 8.734

Stability (Estimated)

Limit Positive Stab.: **124.1°**
Stability Index: **122.1**

Owner



BOAT		GPH	HULL			
Name PLUMERIA Sail Nr JPN 6541		614.1	Data File JC200290	LOA 9.500m		
			Offset File JCBVT31f.off	MB 3.021m		
			Displacement 3,202kg	Draft 1.990m		
CLASS			IMS Division Performance	Dynamic All. 0.000%		
Class VITE 312			Plan Review	Construction Cored		
Designer Yokoyama/Kanai			Fiber Rigging No	Aramid Core No		
Builder TY Seisakusho			Crew Arm Ex	Carbon Rudder No		
Series 07/2007			Light Stanchions			
Age Date 04/2011			IMSL 8.568m	VCGD -0.090m	Sink 14.80kg/mm	
Age Allowance 0.422%			RL 8.899m	VCGM -0.080m	WS 18.77m²	
COMMENTS			LSM0 8.111m	Displacement/Length ratio 6.0006		
Change from Cert NO.JC190440			Water Ballast 0	Trim Tab No		
			BLR Index 0.0000			
PROPELLER			CENTERBOARD			
Installation Strut	PRD 0.382	NA				
Type Folding 2 blades	PIPA 0.0006					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	597.7			665.0		
Time on Time	1.0039			1.0150		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	689.3	548.5	492.5	883.0	665.5	589.8
Time on Time	0.9792	1.2306	1.3705	0.7644	1.0143	1.1445

2020

ORC Club Certificate Appendix

BOAT	
Name	PLUMERIA
Sail Nr	JPN 6541
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	989.2	820.8	735.1	707.9	697.5	694.0	687.9
52°	652.4	559.2	525.1	513.4	508.2	505.6	499.1
60°	618.6	543.3	514.3	500.0	493.5	489.9	483.2
75°	593.4	532.4	505.0	483.7	469.6	462.5	456.6
90°	599.7	532.4	503.5	480.0	457.2	439.9	424.1
110°	618.1	529.1	492.4	461.7	441.5	426.1	402.4
120°	636.0	537.2	498.0	464.2	432.9	407.5	376.6
135°	703.2	574.2	519.5	487.0	455.0	424.6	356.4
150°	829.6	662.1	565.8	518.1	488.0	458.2	400.5
Run VMG	957.9	764.6	650.3	581.7	531.3	499.8	444.5
Selected Courses							
Windward / Leeward	973.5	792.7	692.7	644.8	614.4	596.9	566.2
Circular Random	832.2	678.0	596.7	550.2	521.3	501.4	472.9
Coastal / Long Distance	972.0	747.9	631.7	569.9	533.3	503.0	453.1
Non Spinnaker	883.9	714.4	623.8	571.3	538.7	516.8	487.0

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	42.0°	40.7°	38.3°	37.1°	36.8°	36.6°	36.8°
Beat VMG	3.64	4.39	4.90	5.09	5.16	5.19	5.23
52°	5.52	6.44	6.86	7.01	7.08	7.12	7.21
60°	5.82	6.63	7.00	7.20	7.30	7.35	7.45
75°	6.07	6.76	7.13	7.44	7.67	7.78	7.88
90°	6.00	6.76	7.15	7.50	7.87	8.18	8.49
110°	5.82	6.80	7.31	7.80	8.15	8.45	8.95
120°	5.66	6.70	7.23	7.76	8.32	8.84	9.56
135°	5.12	6.27	6.93	7.39	7.91	8.48	10.10
150°	4.34	5.44	6.36	6.95	7.38	7.86	8.99
Run VMG	3.76	4.71	5.54	6.19	6.78	7.20	8.10
Gybe Angles	145.0°	149.0°	153.0°	161.0°	180.0°	180.0°	180.0°