



ORC
Offshore Racing Congress
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **US6487**
Issued On **28/08/2020**
ORC Ref **03410000P7U**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 1,060kg
Maximum **1,230kg**
Minimum* **923kg**
**when applied by the NoR and SI*
Non Manual Pwr **Yes**

Special Scoring

	ToD	ToT
Non Spin GPH	569.0	1.0545
Non Spin OSN	554.2	1.0825

Sails Limitations

Headsails 7 Spinnakers 5

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 241.19**
Flying H/S: **Yes 121.47**
Spin. Pole: **No**

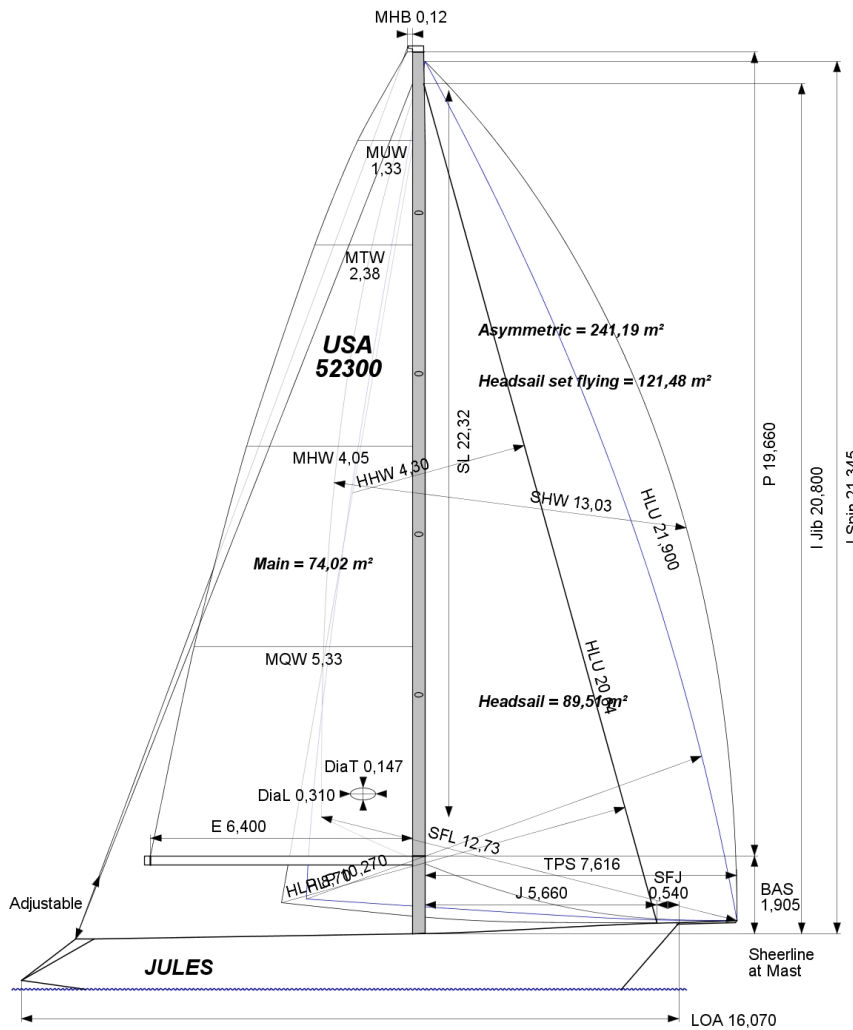
Class Division Length

CDL = 12.901

Stability (Measured)

Limit Positive Stab.: **119.7°**
Stability Index: **128.0**

Owner



BOAT		GPH	HULL			
Name JULES	Sail Nr USA 52300	533.1	Data File US6487	LOA 16.070m		
			Offset File OPS398.OFF	MB 4.706m		
			Displacement 16,215kg	Draft 2.978m		
CLASS			IMS Division Cruiser/Racer	Dynamic All. 0.087%		
Class Baltic 52	Designer Sparkman&Stephens		Plan Review	Construction Cored		
Builder Baltic	Series 01/1996		Fiber Rigging No	Aramid Core No		
Age Date 01/1996	Age Allowance 0.487%		Crew Arm Ex	Carbon Rudder No		
				Light Stanchions No		
COMMENTS			IMSL 13.533m	VCGD 0.042m		
			RL 12.267m	VCGM -0.134m		
			WS 51.44m²	LSM0 13.538m		
			Displacement/Length ratio 6.5351	Water Ballast 0		
			Trim Tab No	BLR Index 0.0000		
PROPELLER			CENTERBOARD			
Installation Shaft exposed	PRD 0.500		N/A			
Type Folding 3 blades	PBW 0.130					
	PIPA 0.0080					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	519.8			585.0		
Time on Time	1.1542			1.1539		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	611.6	471.4	423.8	800.1	585.7	511.6
Time on Time	1.1036	1.4320	1.5929	0.8436	1.1524	1.3195

2020

ORC Club Certificate Appendix

BOAT							
Name	JULES	Certificate Number	US6487				
Sail Nr	USA 52300	Issued On	28/08/2020				

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	888.3	732.8	645.2	602.9	583.0	572.1	565.2
52°	579.3	483.7	442.4	425.6	418.2	414.1	410.1
60°	541.6	457.5	427.2	415.4	408.4	404.0	397.7
75°	506.7	438.5	414.6	401.7	393.4	387.4	379.8
90°	500.6	436.0	412.9	398.6	386.3	375.5	362.1
110°	551.3	457.4	416.6	397.1	382.1	372.2	356.0
120°	570.2	466.5	421.1	399.3	380.6	363.4	341.9
135°	640.7	511.9	443.4	413.3	394.0	375.1	339.7
150°	761.6	606.3	508.5	449.2	422.0	406.0	379.2
Run VMG	879.4	700.1	587.2	518.7	486.4	465.2	413.1
Selected Courses							
Windward / Leeward	883.9	716.5	616.2	560.8	534.7	518.6	489.1
Circular Random	734.1	592.5	517.0	473.8	447.9	431.3	410.2
Coastal / Long Distance	883.4	671.5	554.0	488.1	456.2	431.6	393.1
Non Spinnaker	798.7	638.8	551.3	499.2	466.6	445.3	419.4

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°	40.9°	40.5°	39.0°	37.5°	37.1°	37.1°
Beat VMG	4.05	4.91	5.58	5.97	6.17	6.29	6.37
52°	6.21	7.44	8.14	8.46	8.61	8.69	8.78
60°	6.65	7.87	8.43	8.67	8.81	8.91	9.05
75°	7.11	8.21	8.68	8.96	9.15	9.29	9.48
90°	7.19	8.26	8.72	9.03	9.32	9.59	9.94
110°	6.53	7.87	8.64	9.07	9.42	9.67	10.11
120°	6.31	7.72	8.55	9.02	9.46	9.91	10.53
135°	5.62	7.03	8.12	8.71	9.14	9.60	10.60
150°	4.73	5.94	7.08	8.01	8.53	8.87	9.49
Run VMG	4.09	5.14	6.13	6.94	7.40	7.74	8.72
Gybe Angles	143.0°	147.0°	146.0°	149.5°	151.0°	174.0°	178.0°