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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **010620**
Issued On **02/06/2020**
ORC Ref **03540000JJ4**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 802kg
Maximum **802kg**
Minimum* **602kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	617.9	0.9710
Non Spin OSN	600.5	0.9992

Sails Limitations

Headsails **1** Spinnakers **4**

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 153.23**
Flying H/S: **No**
Spin. Pole: **No**

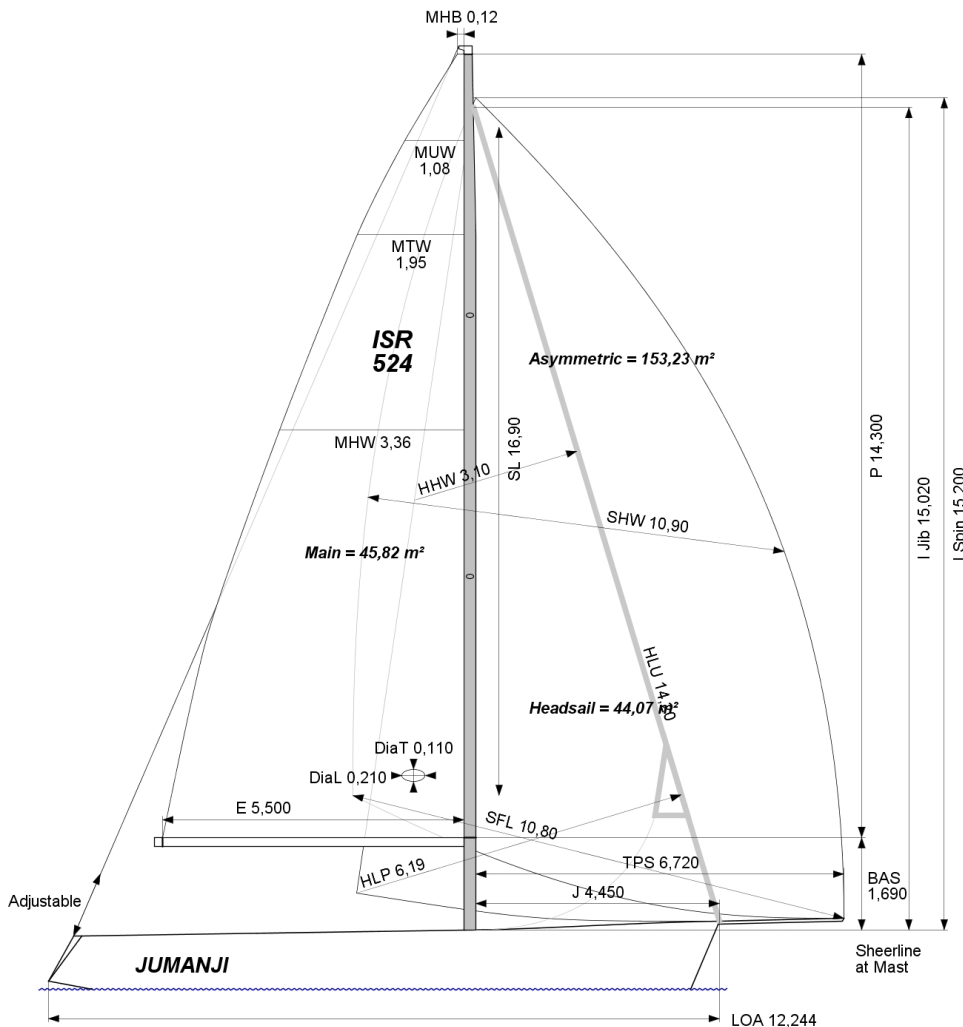
Class Division Length

CDL = 10.650

Stability (Estimated)

Limit Positive Stab.: **122.6°**
Stability Index: **125.3**

Owner



BOAT	GPH	HULL
Name Jumanji Sail Nr ISR 524	578.9	Data File ISR524 LOA 12.244m Offset File US30532.BOF MB 3.670m Displacement 6,556kg Draft 2.151m
CLASS Class J 120 Designer Johnstone Builder J Boats Series 01/1994 Age Date 01/2000 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.103% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions
COMMENTS		IMSL 11.148m VCGD -0.150m Sink 22.53kg/mm RL 10.156m VCGM -0.205m WS 29.81m² LSM0 11.127m Displacement/Length ratio 4.7589
PROPELLER Installation Strut PRD 0.410 Type Folding 2 blades PBW 0.110 PIPA 0.0034		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	561.7	630.8
Time on Time	1.0681	1.0701
Triple Number	Low Medium High	Low Medium High
Time on Distance	667.3 511.1 455.7	867.5 631.4 554.0
Time on Time	1.0115 1.3206 1.4811	0.7781 1.0691 1.2184

2020

ORC Club Certificate Appendix

BOAT	
Name Jumanji	Certificate Number 010620
Sail Nr ISR 524	Issued On 02/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1001.4	817.8	712.6	662.6	642.4	632.2	624.4
52°	649.0	540.9	488.0	468.2	460.1	455.6	452.0
60°	609.1	514.8	474.6	457.3	447.9	442.6	437.6
75°	578.3	497.1	464.9	446.8	432.5	421.4	410.3
90°	585.3	494.8	461.8	444.6	427.1	410.3	385.2
110°	581.1	483.7	447.9	424.1	407.9	395.2	370.5
120°	593.3	489.7	450.7	423.3	397.2	377.0	349.4
135°	671.8	531.2	468.6	439.9	412.3	384.9	329.5
150°	796.8	632.9	528.4	472.3	450.0	430.5	384.0
Run VMG	920.1	730.8	610.2	545.1	518.2	485.9	438.5
Selected Courses							
Windward / Leeward	960.7	774.3	661.4	603.9	580.3	559.0	531.5
Circular Random	800.6	644.6	561.2	513.2	483.8	464.2	437.4
Coastal / Long Distance	956.7	726.0	597.2	527.9	494.2	465.1	418.5
Non Spinnaker	870.5	694.6	598.3	541.1	505.4	481.8	452.1

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	43.5°	42.0°	40.9°	39.0°	37.9°	37.5°	37.1°
Beat VMG	3.60	4.40	5.05	5.43	5.60	5.69	5.77
52°	5.55	6.66	7.38	7.69	7.82	7.90	7.97
60°	5.91	6.99	7.58	7.87	8.04	8.13	8.23
75°	6.23	7.24	7.74	8.06	8.32	8.54	8.77
90°	6.15	7.28	7.80	8.10	8.43	8.77	9.35
110°	6.19	7.44	8.04	8.49	8.83	9.11	9.72
120°	6.07	7.35	7.99	8.50	9.06	9.55	10.30
135°	5.36	6.78	7.68	8.18	8.73	9.35	10.93
150°	4.52	5.69	6.81	7.62	8.00	8.36	9.37
Run VMG	3.91	4.93	5.90	6.60	6.95	7.41	8.21
Gybe Angles	143.5°	147.0°	146.5°	150.8°	151.5°	176.0°	177.0°