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2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **US6415**
Issued On **21/10/2020**
ORC Ref **03410000S87**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 705kg
Maximum **650kg**
Minimum* **488kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **621.4 0.9656**
Non Spin OSN **604.0 0.9934**

Sails Limitations

Headsails **6** Spinnakers **4**
Asymmetric on centerline
Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 129.62**
Flying H/S: **No**
Spin. Pole: **No**

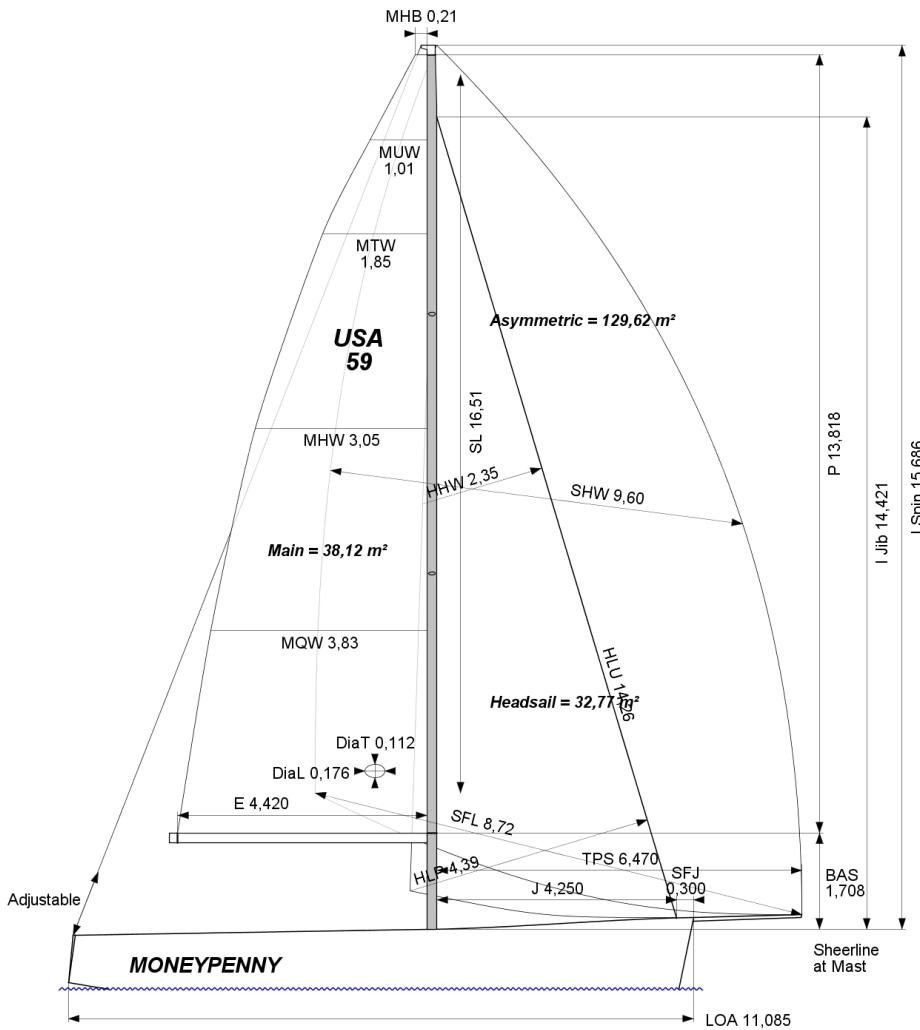
Class Division Length

CDL = 10.084

Stability (Measured)

Limit Positive Stab.: **123.8°**
Stability Index: **124.0**

Owner



BOAT Name MONEYPENNY Sail Nr USA 59		GPH 577.0	HULL Data File US6415 LOA 11.085m Offset File J111.OFF MB 3.294m Displacement 4,397kg Draft 2.195m	
CLASS Class J 111 Designer Johnstone Builder J/Boats Europe Series 01/2010 Age Date 01/2011 Age Allowance 0.325%		IMS Division Cruiser/Racer Dynamic All. 0.117% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex 0.00 Carbon Rudder Yes Light Stanchions No		
COMMENTS		IMSL 10.459m VCGD -0.130m Sink 18.38kg/mm RL 9.728m VCGM -0.149m WS 23.86m² LSM0 10.174m Displacement/Length ratio 4.1752		
PROPELLER Installation Strut PRD 0.413 Type Folding 2 blades PBW 0.098 PIPA 0.0032		CENTERBOARD N/A		
SCORING OPTIONS				
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD		
Time on Distance	561.4	632.5		
Time on Time	1.0688	1.0671		
Triple Number	Low Medium High	Low Medium High		
Time on Distance	653.3 513.0 459.4	842.9 631.9 559.9		
Time on Time	1.0332 1.3157 1.4694	0.8008 1.0682 1.2056		

2020

ORC Club Certificate Appendix

BOAT			
Name	MONEYPENNY	Certificate Number	US6415
Sail Nr	USA 59	Issued On	21/10/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	977.1	798.8	706.9	677.0	665.7	657.7	647.0
52°	639.7	533.5	492.2	479.3	474.0	471.4	463.0
60°	603.9	512.9	479.9	466.0	459.8	456.4	447.3
75°	576.5	499.3	470.1	451.2	437.1	429.5	423.1
90°	580.5	492.2	469.5	447.9	426.4	408.9	389.7
110°	567.4	481.4	449.0	429.3	413.5	397.8	369.8
120°	580.0	486.4	450.3	418.4	395.7	378.1	346.6
135°	648.8	519.7	469.1	436.5	402.6	368.7	310.7
150°	769.5	612.5	518.5	472.1	448.2	423.8	353.2
Run VMG	888.5	707.2	598.7	544.8	517.5	484.8	407.8
Selected Courses							
Windward / Leeward	932.8	753.0	652.8	610.9	591.6	571.2	527.4
Circular Random	788.5	638.8	560.0	515.2	487.3	467.4	436.0
Coastal / Long Distance	928.4	707.6	592.1	533.1	501.4	471.8	417.2
Non Spinnaker	870.6	696.3	601.9	546.4	511.7	488.3	456.2

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°	39.8°	38.3°	37.9°	37.9°	37.9°
Beat VMG	3.68	4.51	5.09	5.32	5.41	5.47	5.56
52°	5.63	6.75	7.31	7.51	7.60	7.64	7.77
60°	5.96	7.02	7.50	7.72	7.83	7.89	8.05
75°	6.24	7.21	7.66	7.98	8.24	8.38	8.51
90°	6.20	7.31	7.67	8.04	8.44	8.80	9.24
110°	6.34	7.48	8.02	8.39	8.71	9.05	9.74
120°	6.21	7.40	7.99	8.60	9.10	9.52	10.39
135°	5.55	6.93	7.67	8.25	8.94	9.76	11.59
150°	4.68	5.88	6.94	7.62	8.03	8.49	10.19
Run VMG	4.05	5.09	6.01	6.61	6.96	7.43	8.83
Gybe Angles	143.5°	146.0°	149.0°	151.5°	149.0°	176.0°	142.4°