

BOAT Name RATTLE AND RUM Sail Nr USA2604	GPH 611.6	HULL Length Overall 7.900m Maximum Beam 2.554m Displacement 1,142kg Draft 1.902m IMS Reg. Division Sportboat Dynamic Allowance 0.000% Fwd Accommodation No Hull Construction Cored Carbon Rudder Yes Crew Arm Extension
GENERAL Class GP 26 Designer Jim Donovan Builder Mag Marin Istanbul Series 01/2011 Age 01/2015 Age Allowance 0.195% Offset File w racegp26.off - 27/04/2013 16:35:56 Measurement by - 01/12/2015		IMSL 7.885m VCGD -0.135m Sink 10.12kg/mm RL 7.753m VCGM -0.141m WS 12.92m² LSM0 7.635m Displacement/Length ratio 2.5659



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	596.2			677.3		
Time On Time	1.0063			0.9967		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	695.7	546.4	470.6	900.4	685.5	583.1
Time on Time	0.9703	1.2354	1.4343	0.7497	0.9847	1.1576

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1058.8	863.9	782.6	758.4	747.7	738.2	735.2
52°	686.5	575.4	542.8	531.4	525.1	517.2	507.7
60°	641.8	555.2	521.9	506.9	498.1	488.8	475.1
75°	606.8	540.3	494.5	465.4	451.8	443.9	422.6
90°	592.6	534.8	494.5	444.9	412.8	399.3	385.7
110°	585.5	512.1	469.7	439.3	409.6	386.4	331.6
120°	600.4	521.3	458.0	421.4	393.7	366.0	320.7
135°	682.0	556.3	496.2	437.9	380.8	336.0	285.9
150°	811.9	642.0	555.8	501.7	448.8	395.3	290.9
Run VMG	937.5	741.3	642.0	579.3	518.2	456.5	335.9

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Number **US6003**
ORC Ref **USA00001156**
Issued On **19/10/2017**
VPP Ver. **2017 1.00**
Valid until **28/02/2018**

Crew Weight

Declared **450kg**
Default* **468kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	656.8	0.9135
Non Spin OSN	639.3	0.9385

Selected Courses							
Windward / Leeward	998.2	802.6	712.3	668.9	633.0	597.4	535.5
Circular Random	838.7	680.1	594.7	543.1	508.1	481.2	438.7
Ocean for PCS	1032.3	799.7	668.2	585.3	527.1	482.0	412.0
Non Spinnaker	916.6	735.5	637.0	578.2	539.8	512.1	471.3

Sails Limitations

Headsails	Spinnakers
5	3

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	44.0°	42.8°	39.8°	39.1°	38.7°	38.5°	39.0°
Beat VMG	3.40	4.17	4.60	4.75	4.81	4.88	4.90
52°	5.24	6.26	6.63	6.77	6.86	6.96	7.09
60°	5.61	6.48	6.90	7.10	7.23	7.37	7.58
75°	5.93	6.66	7.28	7.74	7.97	8.11	8.52
90°	6.08	6.73	7.28	8.09	8.72	9.02	9.33
110°	6.15	7.03	7.66	8.19	8.79	9.32	10.86
120°	6.00	6.91	7.86	8.54	9.14	9.84	11.23
135°	5.28	6.47	7.25	8.22	9.45	10.71	12.59
150°	4.43	5.61	6.48	7.18	8.02	9.11	12.38
Run VMG	3.84	4.86	5.61	6.21	6.95	7.89	10.72
Gybe Angles	143.1°	146.4°	150.4°	148.4°	145.3°	143.3°	143.9°

Class Division Length

CDL = **7.819**

Storm Sails Areas

Heavy Weather Jib	11.77
Storm Jib (JL=6.07)	4.36
Storm Trysail	6.66

Owner

BOAT		
Name	RATTLE AND RUM	Sail Nr USA2604
File	USA2604	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test			Current Inclining		
Flotation date 18/10/2017			SG 1.0110		
FFM	0.929	FF	0.931	SFFP	0.500
FAM	0.736	FA	0.737	SAFP	7.895
W1	21.3	PD1	571.0	WD	10.560
W2	21.3	PD2	568.0	GSA	1.0
W3	21.3	PD3	569.0	RSA	1.0
W4	21.3	PD4	568.0	PLM	9000.0
LCF from stem on CL / on sheer				4.466 / 4.620	
Maximum beam station from stem				5.854	
RM Measured				31.1kg·m	
RM Default				33.2kg·m	
Limit of positive stability / Stab.Index				115.8° / 108.1	
Freeboard at mast at 3.092				0.860	

RIG					
Forestay Tension	Aft	Spreaders		1	
Inner Stay	None Fitted	Runners		0	
Carbon Mast	Yes	Jumper Struts		None	
Taper Hollows	No	Jib Furler		No	
Fiber Rigging	No	Main Furler		No	
Lenticular Rigging	No	Without Backstay		No	
Articulated Bowsprit	No				
P	9.787	E	3.890	MDT1	0.073
IG	9.338	J	2.862	MDL1	0.135
ISP	11.238	SFJ	0.230	MDT2	0.065
BAS	1.313	SPL		MDL2	0.110
FSP	0.000	TPS	4.741	TL	1.750
				MW	0.135
				GO	0.135
				BD	0.150
				MWT	44.00
				MCG	3.700

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

COMMENTS	
4106939889 2017 FLOAT AND INCLINE NO ADJ FORESTAY, CHANGE CREW MEMBER 194499K	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1.350	1.53	2.07	2.85	3.39	26.52	27.55	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL			AS · (SFL + 4·SHW) / 6	
	12.69	10.99	11.84	7.66	8.12	76.49			

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.06	0.44	0.84	1.60	2.34	3.10	9.37	14.85	Y				



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IMS Measurement Certificate

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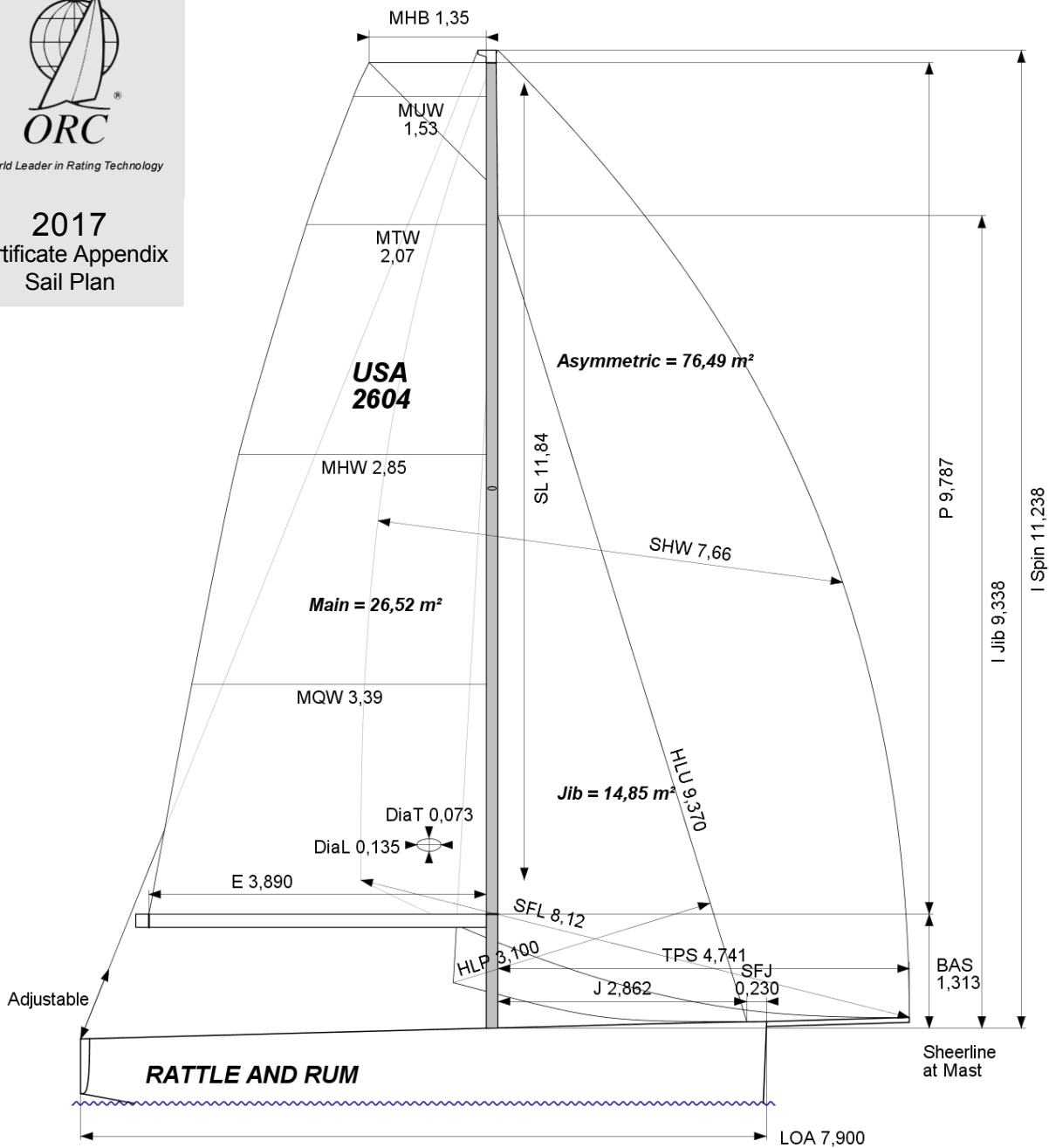


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Sail Plan



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
OUS23350-	1.350	1.53	2.07	2.85	3.39	26.52				Unknown						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.06	0.44	0.84	1.60	2.34	3.10	9.37	108%	14.85	Y						
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
2017A2	12.69	10.99	11.84	7.66	8.12	76.49	asym				Unknown					