

BOAT Name RATTLE AND RUM Sail Nr USA2604	GPH 606.5	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 DONOVAN Builder Mag Marin Istanbul Series 01/2011 Age 01/2015 Age Allowance 0.228% Offset File wracegp26.off - 27/04/2013 16:35:56 Measurement by - 18/10/2017		IMSL 7.885m VCGD -0.135m Sink 10.12kg/mm RL 8.085m 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	589.8			665.3		
Time on Time	1.0173			1.0146		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	685.1	542.9	470.4	878.6	674.2	575.5
Time on Time	0.9853	1.2433	1.4349	0.7683	1.0012	1.1729

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1017.0	826.8	759.1	742.6	737.8	725.3	725.3
52°	668.7	567.1	539.3	530.3	525.8	517.4	510.7
60°	632.3	552.6	521.5	508.7	501.9	493.4	481.7
75°	607.6	542.3	499.9	472.5	460.3	453.3	432.9
90°	596.4	537.6	500.5	454.8	424.4	410.5	396.7
110°	587.0	513.5	471.8	442.4	414.3	391.6	339.8
120°	600.4	520.0	459.8	422.4	394.5	368.3	325.4
135°	679.3	554.1	493.3	433.8	377.9	335.5	285.9
150°	807.4	639.1	553.5	498.2	443.6	391.7	288.3
Run VMG	932.3	738.0	639.4	575.3	512.3	452.4	332.9

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Number **US6003**
ORC Ref **USAX016ENBC**
Issued On **11/04/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default **468kg**
Maximum **450kg**
Minimum* **338kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD	ToT
Non Spin GPH 654.0	0.9174
Non Spin OSN 634.3	0.9459

Selected Courses							
Windward / Leeward	974.7	782.4	699.2	659.0	625.1	588.8	529.1
Circular Random	828.0	672.8	589.8	540.1	506.5	480.6	439.9
Coastal / Long Distance	970.4	738.4	632.5	569.0	525.0	483.0	415.8
Non Spinnaker	910.7	731.2	634.3	576.8	539.5	512.6	473.3

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	42.6°	41.2°	38.1°	37.6°	37.5°	37.1°	37.5°
Beat VMG	3.54	4.35	4.74	4.85	4.88	4.96	4.96
52°	5.38	6.35	6.68	6.79	6.85	6.96	7.05
60°	5.69	6.51	6.90	7.08	7.17	7.30	7.47
75°	5.92	6.64	7.20	7.62	7.82	7.94	8.32
90°	6.04	6.70	7.19	7.92	8.48	8.77	9.08
110°	6.13	7.01	7.63	8.14	8.69	9.19	10.59
120°	6.00	6.92	7.83	8.52	9.13	9.77	11.06
135°	5.30	6.50	7.30	8.30	9.53	10.73	12.59
150°	4.46	5.63	6.50	7.23	8.11	9.19	12.49
Run VMG	3.86	4.88	5.63	6.26	7.03	7.96	10.81
Gybe Angles	143.2°	146.6°	150.4°	148.5°	145.1°	144.2°	144.4°

Class Division Length

CDL = **7.986**

Storm Sails Areas

Heavy Weather Jib	11.78
Storm Jib (JL=6.07)	4.36
Storm Trysail	6.67

Owner

BOAT		
Name	RATTLE AND RUM	Sail Nr USA2604
File	US6003	Data in meters/kilograms

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	MW	0.135
IG	9.338	J	2.862	MDL1	0.135	GO	0.135
ISP	11.238	SFJ	0.230	MDT2	0.065	BD	0.150
BAS	1.313	SPL		MDL2	0.110	MWT	49.00
FSP	0.000	TPS	4.741	TL	1.750	MCG	3.460

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	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

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COMMENTS	

MOVABLE BALLAST	
N/A	

BILGEBOARD		
BS	BT	BA
BF	BX	
BC	BY	



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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 on centerline	SLU	SLE	SL	SHW	SFL	Area	Formula		
	12.69	10.99	11.84	7.66	8.12	76.49	AS · (SFL + 4·SHW) / 6		

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	14.86	Y				

MEASUREMENT INVENTORY				
Measurer				
Date				
Comment				
Id	Item	Weight	Distance	VCG Description
a	Anchor	0.0	0.00	
Id	Item	Weight	Distance	VCG Description

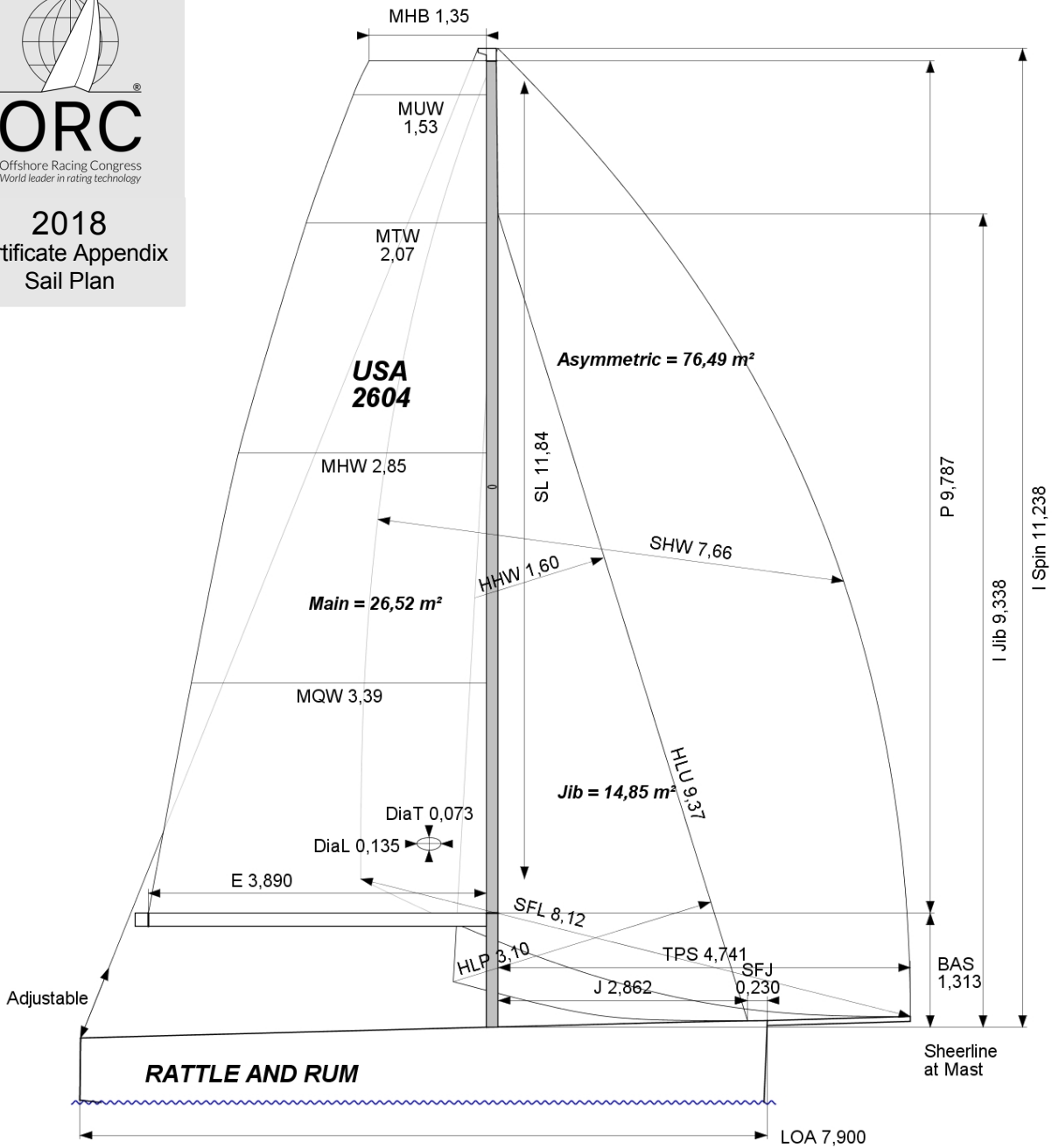
MEASUREMENT INVENTORY									
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
	Tank					0.00	0.00	0-0	
Id	Item	Weight	Distance	VCG	Description				



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1706933	1.35	1.53	2.07	2.85	3.39	26.53										
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1706949	0.06	0.44	0.84	1.60	2.34	3.10	9.37	108%	14.86	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				
1706959	12.69	10.99	11.84	7.66	8.12	76.49	asym									