

BOAT	GPH	HULL
Name WHITE RHINO II Sail Nr USA 63456	459.3	Length Overall 14.300m Maximum Beam 4.294m Displacement 6,065kg Draft 3.283m IMS Reg. Division Performance Dynamic Allowance 0.001% Fwd Accommodation No Hull Construction Carbon Carbon Rudder Yes Crew Arm Extension 0.00
GENERAL		IMSL 13.931m VCGD -0.929m Sink 28.70kg/mm RL 14.504m VCGM -0.996m WS 36.40m² LSM0 13.513m Displacement/Length ratio 2.4580
Class CARKEEK 47 Designer CARKEEK Builder PREMIER COMP TECH Series 01/2013 Age 06/2013 Age Allowance 0.163% Offset File US42435B.OFF - 12/07/2018 18:53:40 Measurement by - 09/05/2014		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	447.5			504.8		
Time on Time	1.3407			1.3373		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	520.6	411.2	352.9	672.6	513.5	433.2
Time on Time	1.2966	1.6416	1.9129	1.0036	1.3145	1.5580

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	747.7	619.0	575.3	554.5	537.3	525.3	521.3
52°	486.9	420.8	403.2	393.6	387.3	375.0	365.8
60°	458.2	407.1	388.2	375.8	367.5	357.7	343.6
75°	440.4	396.0	365.6	347.9	337.2	330.1	310.2
90°	446.6	399.2	363.1	332.6	314.3	303.2	287.8
110°	462.4	398.5	369.6	343.5	320.7	295.9	253.7
120°	477.2	401.7	360.5	335.8	312.5	292.6	253.9
135°	536.1	424.5	380.5	337.0	299.1	275.9	241.3
150°	643.5	502.7	431.2	383.7	349.3	308.7	242.9
Run VMG	743.1	580.5	497.9	448.2	403.3	356.5	280.5
Selected Courses							
Windward / Leeward	745.4	599.7	536.6	501.3	470.3	440.9	400.9
Circular Random	629.3	510.6	446.8	408.0	381.4	361.0	329.7
Coastal / Long Distance	745.2	565.3	483.5	431.1	395.4	362.5	311.4
Non Spinnaker	696.6	559.9	484.9	439.0	408.2	385.6	353.2

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Number **US6031**
ORC Ref **USAX01E1BRK**
Issued On **12/07/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default **1,058kg**
Maximum **817kg**
Minimum* **613kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	499.4	1.2014
Non Spin OSN	489.7	1.2253

Sails Limitations

Headsails	Spinnakers
7	5

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	43.2°	40.7°	38.4°	37.6°	36.5°	35.7°	35.9°
Beat VMG	4.81	5.82	6.26	6.49	6.70	6.85	6.91
52°	7.39	8.55	8.93	9.15	9.30	9.60	9.84
60°	7.86	8.84	9.27	9.58	9.80	10.06	10.48
75°	8.17	9.09	9.85	10.35	10.68	10.90	11.60
90°	8.06	9.02	9.91	10.82	11.45	11.87	12.51
110°	7.79	9.03	9.74	10.48	11.23	12.17	14.19
120°	7.54	8.96	9.99	10.72	11.52	12.30	14.18
135°	6.72	8.48	9.46	10.68	12.03	13.05	14.92
150°	5.59	7.16	8.35	9.38	10.31	11.66	14.82
Run VMG	4.84	6.20	7.23	8.03	8.93	10.10	12.84
Gybe Angles	141.2°	141.0°	147.6°	151.8°	143.6°	143.9°	145.0°

Class Division Length

CDL = 14.219

Storm Sails Areas

Heavy Weather Jib **49.85**
Storm Jib (JL=12.49) **18.46**
Storm Trysail **21.53**

Owner

BOAT							
Name		Sail Nr		USA 63456			
File		Data in		meters/kilograms			
RIG							
Forestay Tension	Aft			Spreaders		3	
Inner Stay	None Fitted			Runners		1	
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 Bowspit		No					
P	19.920	E	6.175	MDT1	0.142	MW	0.271
IG	19.154	J	5.718	MDL1	0.271	GO	0.289
ISP	21.820	SFJ	0.505	MDT2	0.080	BD	0.310
BAS	1.899	SPL	0.000	MDL2	0.155	MWT	200.48
FSP	0.084	TPS	8.328	TL	2.750	MCG	7.650

INCLINING TEST AND FREEBOARDS				
Inclining Test Current Inclining				
Flotation date		09/05/2014	SG	1.0110
FFM	1.476	FF	1.480	SFFP 0.500
FAM	1.073	FA	1.075	SAFP 14.300
W1	100.0	PD1	458.1	WD 18.570
W2	100.0	PD2	458.1	GSA 1.0
W3	100.0	PD3	458.1	RSA 1.0
W4	100.0	PD4	458.1	PLM 9000.0
LCF from stem on CL / on sheer				7.958 / 8.220
Maximum beam station from stem				9.450
RM Measured				319.2kg·m
RM Default				268.2kg·m
Limit of positive stability / Stab.Index				139.6° / 137.5
Freeboard at mast at 6.223				1.260

MIZZEN RIG AND SAILS	
	N/A

PROPELLER

Type **No Propeller**

COMMENTS	

MOVABLE BALLAST	
	N/A

CENTERBOARD	
	N/A



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**IMS Measurement
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Certificate Number US6031 ORC Ref USAX01E1BRK Issued On 12/07/2018 VPP Ver. 2018 1.00 Valid until 31/12/2018

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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1.250	1.94	2.80	4.19	5.27	79.33	80.92	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				
	24.60	21.65	23.13	13.65	13.32	261.77		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
0.18	1.00	1.72	3.02	4.30	5.58	19.50	57.85					2016 MEDIUM JIB

MEASUREMENT INVENTORY					
Measurer Date Comment					
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>	
a	Anchor	0-0	0-00		

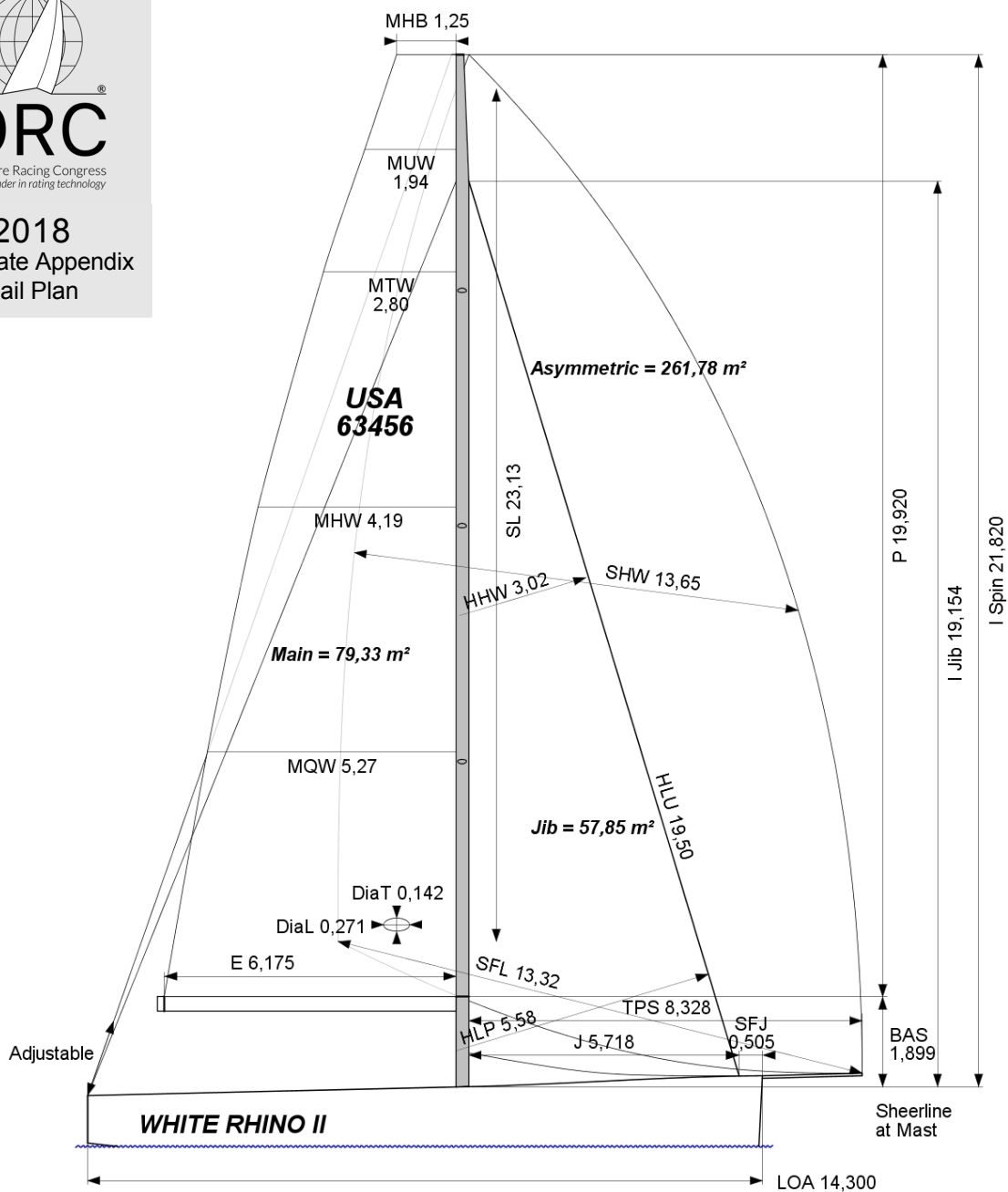
MEASUREMENT INVENTORY								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
		Tank			0.00	0.00	0-9	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1347651	1.25	1.94	2.80	4.19	5.27	79.34					3DI MAINSAIL

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1110548	0.18	1.00	1.72	3.02	4.30	5.58	19.50	98%	57.85							2016 MEDIUM JIB

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
1955223	24.60	21.65	23.13	13.65	13.32	261.78	asym				IRC	2018 IRC SAIL