

BOAT Name JEROBOAM Sail Nr USA 61017	GPH 506.2	HULL Length Overall 12.200m Maximum Beam 3.414m Displacement 4,053kg Draft 2.897m IMS Reg. Division Performance Dynamic Allowance 0.001% Fwd Accommodation No Hull Construction Carbon, Light Stanch. Carbon Rudder Yes Crew Arm Extension
GENERAL Class FARR 400 Designer FARR YACHT DESIGN Builder PREMIER COMPOSITES Series 03/2011 Age 06/2012 Age Allowance 0.195% Offset File FARR400d.off - 18/04/2017 13:34:52 Measurement by Dobbs Davis - 28/03/2017		IMSL 11.816m VCGD -0.640m Sink 20.60kg/mm RL 11.490m VCGM -0.637m WS 26.87m² LSMO 11.367m Displacement/Length ratio 2.7596



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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	494.7			560.9		
Time On Time	1.2129			1.2035		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	573.7	452.6	391.1	747.0	568.0	483.5
Time on Time	1.1765	1.4914	1.7257	0.9036	1.1883	1.3962

TIME ALLOWANCES	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	857.3	702.0	647.5	622.9	603.8	594.5	592.0
52°	554.0	466.7	445.6	435.6	427.3	418.6	411.6
60°	515.6	448.1	428.8	417.1	409.4	396.0	386.4
75°	484.9	432.5	401.3	384.6	374.1	367.2	347.2
90°	484.8	433.6	393.0	361.3	345.4	335.1	320.4
110°	491.2	428.5	400.4	373.2	348.8	315.1	278.6
120°	507.6	432.0	390.9	365.8	341.2	315.0	276.3
135°	576.9	458.5	413.1	366.7	324.2	300.2	261.6
150°	692.2	545.3	466.5	416.7	379.8	341.0	262.7
Run VMG	799.2	629.6	538.7	484.4	438.6	393.8	303.3

Selected Courses	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Windward / Leeward	828.2	665.8	593.1	553.7	521.2	494.1	447.6
Circular Random	693.5	562.5	492.2	450.0	421.5	399.9	366.9
Ocean for PCS	858.3	664.3	554.9	486.2	438.4	401.7	345.6
Non Spinnaker	755.5	607.3	526.6	477.8	445.6	422.5	389.7

Velocity Prediction in Knots for True Wind Speeds	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.6°	42.3°	39.9°	39.2°	38.2°	37.8°	38.3°
Beat VMG	4.20	5.13	5.56	5.78	5.96	6.06	6.08
52°	6.50	7.71	8.08	8.27	8.43	8.60	8.75
60°	6.98	8.03	8.40	8.63	8.79	9.09	9.32
75°	7.42	8.32	8.97	9.36	9.62	9.80	10.37
90°	7.43	8.30	9.16	9.96	10.42	10.74	11.24
110°	7.33	8.40	8.99	9.65	10.32	11.43	12.92
120°	7.09	8.33	9.21	9.84	10.55	11.43	13.03
135°	6.24	7.85	8.72	9.82	11.10	11.99	13.76
150°	5.20	6.60	7.72	8.64	9.48	10.56	13.71
Run VMG	4.50	5.72	6.68	7.43	8.21	9.14	11.87
Gybe Angles	141.6°	143.4°	148.8°	151.7°	147.5°	146.0°	145.1°

Certificate

Number **US6196**
ORC Ref **USA00000974**
Issued On **22/05/2017**
VPP Ver. **2017 1.00**
Valid until **28/02/2018**

Crew Weight

Declared **826kg**
Default* **826kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **542.6 1.1058**
Non Spin OSN **531.6 1.1286**

Sails Limitations

Headsails	Spinnakers
7	5

Class Division Length

CDL = 11.654

Storm Sails Areas

Heavy Weather Jib **32.90**
Storm Jib (JL=10.15) **12.18**
Storm Trysail **16.35**

Owner

BOAT	
Name JEROBOAM	Sail Nr USA61017
File US6196	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 28/03/2017		SG 1.0070	
FFM 1.367	FF 1.371	SFFP 0.778	
FAM 0.919	FA 0.923	SAFP 12.166	
W1 82.4	PD1 561.0	WD 13.475	
W2 82.4	PD2 559.1	GSA 1.0	
W3 82.4	PD3 560.4	RSA 1.0	
W4 82.4	PD4 559.9	PLM 9000.0	
LCF from stem on CL / on sheer		6.710 / 6.992	
Maximum beam station from stem		8.833	
RM Measured		156.1kg·m	
RM Default		153.9kg·m	
Limit of positive stability / Stab.Index		141.1° / 139.0	
Freeboard at mast at 4.840		1.313	

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 0		
Carbon Mast Yes	Jumper Struts None		
Taper Hollows No	Jib Furler No		
Fiber Rigging Yes	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 16.155	E 5.785	MDT1 0.124	MW 0.245
IG 15.575	J 4.472	MDL1 0.245	GO 0.255
ISP 17.880	SFJ 0.368	MDT2 0.093	BD 0.293
BAS 1.625	SPL 0.000	MDL2 0.130	MWT 167.50
FSP 0.072	TPS 6.857	TL 1.990	MCG 5.485



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IMS Measurement Certificate

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.420		
Type Folding 2 blades	PBW 0.106		
Twin Screw No	PIPA 0.0040		
ST1 0.065	ST3 0.180	ST5 0.285	
ST2 0.180	ST4 0.110	EDL 0.765	

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COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1.670	2.19	3.17	4.25	5.09	65.13	67.40	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric									
Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL	Area	Formula		
	20.32	17.40	18.86	11.59	11.43	181.65	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
0.10	0.67	1.29	2.33	3.37	4.43	15.80	36.36	Y		19/05/2017	Carbon	

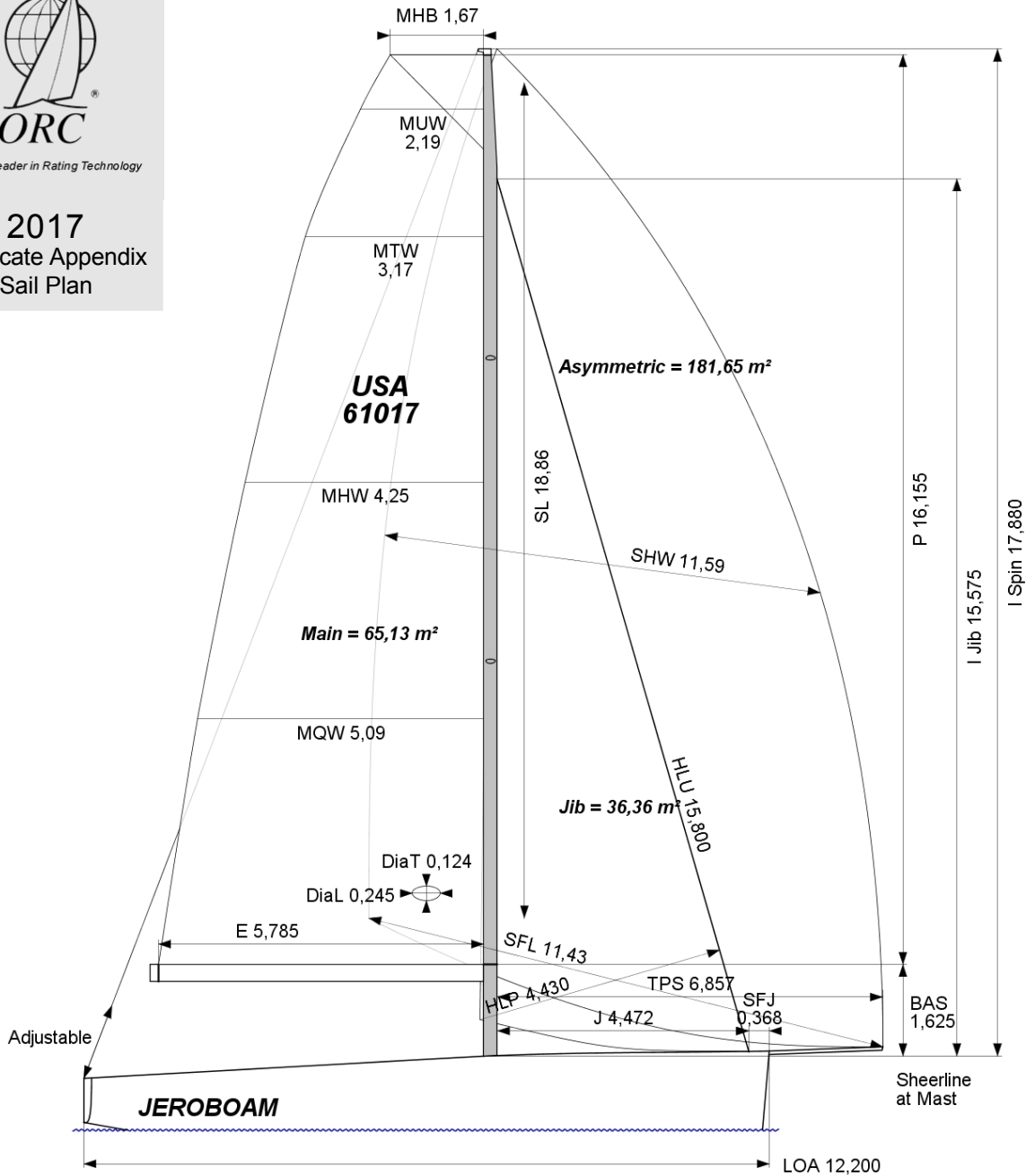
MEASUREMENT INVENTORY				
Measurer Dobbs Davis				
Date 28/03/2017				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
Tools				
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	Volvo	D130	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

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>
2	Tank	Water	Bladder	45.0	5.10	-0.10	0-0	
1	Tank	Fuel	PVC	60.0	7.90	-0.10	45-0	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				
2	Battery	25.0	8.35	-0.10 AGM Lifeline 12V engine battery				
1	Battery	25.0	8.35	-0.10 AGM Lifeline 12V house battery				
1	Misc	10.0	3.90	0.00 Hy draulic mast jack installed				



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Certificate Appendix
Sail Plan



SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	1.670	2.19	3.17	4.25	5.09	65.11	Pickel	19/05/2017	NORTH	Carbon	Comment					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.10	0.67	1.29	2.33	3.37	4.43	15.80	99%	36.36	Y		Pickel	19/05/2017	NORTH	Carbon	Comment
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				
1	20.32	17.40	18.86	11.59	11.43	181.65	asym	Pickel	19/05/2017	NORTH	Nylon	A2				