



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

Portsmouth Olympic
Harbour
53 Yonge Street
Kingston, Ontario
Canada K7M 6G4



Certificate

Number **BC8039**
Issued On **5/03/18**
ORC Ref **CAN00000606**
VPP Ver. **2018 1.00**
Valid until **12/31/18**

Crew Weight

Default	801kg
Maximum	801kg
Minimum*	601kg
*when applied by the NoR and SI	
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Double H.GPH	597.3	1.0046
Double H.OSN	580.6	1.0334
Non Spin GPH	628.6	0.9545
Non Spin OSN	607.7	0.9874

Sails Limitations

Headsails **6** Spinnakers **4**

Spinnaker configuration

Symmetric: **No**
Asymmetric: **Yes 111.49**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = 10.594

Stability (Estimated)

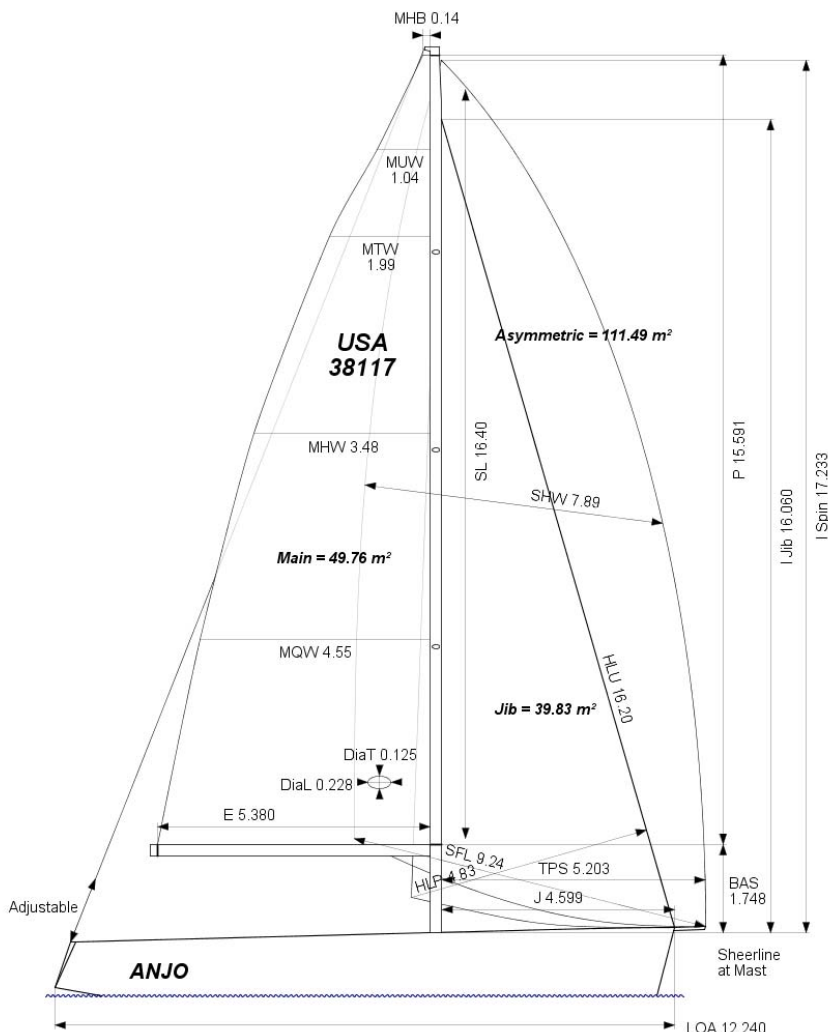
Limit Positive Stab.: **123.1°**
Stability Index: **126.6**

Owner

Clayton Craigie
1220 Brickyard Cove
Richmond, CA
94801

I certify that I understand my
responsibilities under ORC Rules and
Regulations

Signature



BOAT	GPH	HULL
Name Anjo Sail Nr USA 38117	594.5	Data File Anjo-USA38117 LOA 12.240m Offset File F240.OFF MB 3.902m Displacement 8,082kg Draft 2.494m
CLASS Class FIRST 40 Designer FARR Builder BENETEAU Series 01/2011 Age Date 01/2012 Age Allowance 0.228%		IMS Division Cruiser/Racer Dynamic All. 0.214% Fwd Accom. Yes Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 11.278m VCGD -0.045m Sink 24.33kg/mm RL 9.909m VCGM -0.082m WS 33.26m² LSM0 11.125m Displacement/Length ratio 5.8697
PROPELLER Installation Strut PRD 0.435 Type Folding 2 blades PBW 0.126 PIPA 0.0037		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Time on Distance	576.3			646.7	
Time on Time	1.0412			1.0437		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	688.8	523.9	466.7	891.2	650.3	563.2
Time on Time	0.9799	1.2884	1.4464	0.7574	1.0380	1.1986

BOAT	
Name Anjo	Sail Nr USA 38117
File Anjo-USA38117	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date		SG 1.0200	
FFM 1.340	FF 1.350	SFFP 0.261	
FAM 1.055	FA 1.060	SAFP 11.831	
LCF from stem on CL / on sheer		6.671 / 6.931	
Maximum beam station from stem		7.802	
RM Measured		206.1kg-m	
RM Default		200.1kg-m	
Limit of positive stability / Stab.Index		123.1° / 126.6	
Freeboard at mast at 4.599		1.235	

RIG				
Forestay Tension Aft	Spreaders 3			
Inner Stay None Fitted	Runners 0			
Carbon Mast No	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 15.591	E 5.380	MDT1 0.125	MW 0.228	
IG 16.060	J 4.599	MDL1 0.228	GO 0.258	
ISP 17.233	SFJ 0.000	MDT2 0.113	BD 0.220	
BAS 1.748	SPL	MDL2 0.180	MWT	
FSP -3.000	TPS 5.203	TL 0.970	MCG	

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.435		
Type Folding 2 blades	PBW 0.126		
Twin Screw No	PIPA 0.0037		
ST1 0.042	ST3 0.180	ST5 0.312	
ST2 0.180	ST4 0.112	EDL 2.200	

COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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2018 Measurements Datasheet

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SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.137	1.04	1.99	3.48	4.55	49.76				Unknown						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1						4.83	16.20	105%	39.83							Unknow
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	17.70	15.09	16.39	7.89	9.24	111.49	asym				Unknown					



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2018

ORC Club Certificate Appendix

BOAT			
Name	Anjo	Certificate Number	BC8039
Sail Nr	USA 38117	Issued On	5/03/18

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1011.9	829.2	724.9	670.8	650.6	641.5	627.5
52°	665.4	554.6	495.3	471.6	462.1	457.9	453.6
60°	630.9	529.0	480.6	460.5	450.3	445.6	442.8
75°	605.6	511.3	470.6	451.3	438.1	428.0	418.5
90°	609.7	503.2	461.8	445.2	434.8	420.4	396.9
110°	608.3	500.0	457.0	434.4	414.0	399.5	380.0
120°	627.9	514.6	464.2	439.3	416.8	394.7	361.4
135°	702.1	567.4	491.1	456.6	434.5	412.4	368.6
150°	833.5	659.3	558.1	496.5	466.9	447.3	413.6
Run VMG	962.4	761.3	644.4	573.3	537.1	496.2	446.4
Selected Courses							
Windward / Leeward	987.2	795.3	684.7	622.1	593.8	568.9	537.0
Circular Random	825.3	663.1	576.1	526.0	495.5	475.5	449.3
Coastal / Long Distance	984.7	746.5	615.9	541.2	505.9	476.1	429.2
Non Spinnaker	890.0	708.1	608.3	549.2	512.5	488.6	459.0

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°	41.0°	40.2°	39.0°	38.1°	37.7°	37.6°
Beat VMG	3.56	4.34	4.97	5.37	5.53	5.61	5.74
52°	5.41	6.49	7.27	7.63	7.79	7.86	7.94
60°	5.71	6.81	7.49	7.82	7.99	8.08	8.13
75°	5.94	7.04	7.65	7.98	8.22	8.41	8.60
90°	5.90	7.15	7.80	8.09	8.28	8.56	9.07
110°	5.92	7.20	7.88	8.29	8.70	9.01	9.47
120°	5.73	7.00	7.75	8.20	8.64	9.12	9.96
135°	5.13	6.34	7.33	7.88	8.29	8.73	9.77
150°	4.32	5.46	6.45	7.25	7.71	8.05	8.70
Run VMG	3.74	4.73	5.59	6.28	6.70	7.26	8.06
Gybe Angles	143.7°	147.7°	147.9°	149.1°	151.4°	175.6°	178.2°