



ORC
Offshore Racing Congress
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2020
International
Double Handed

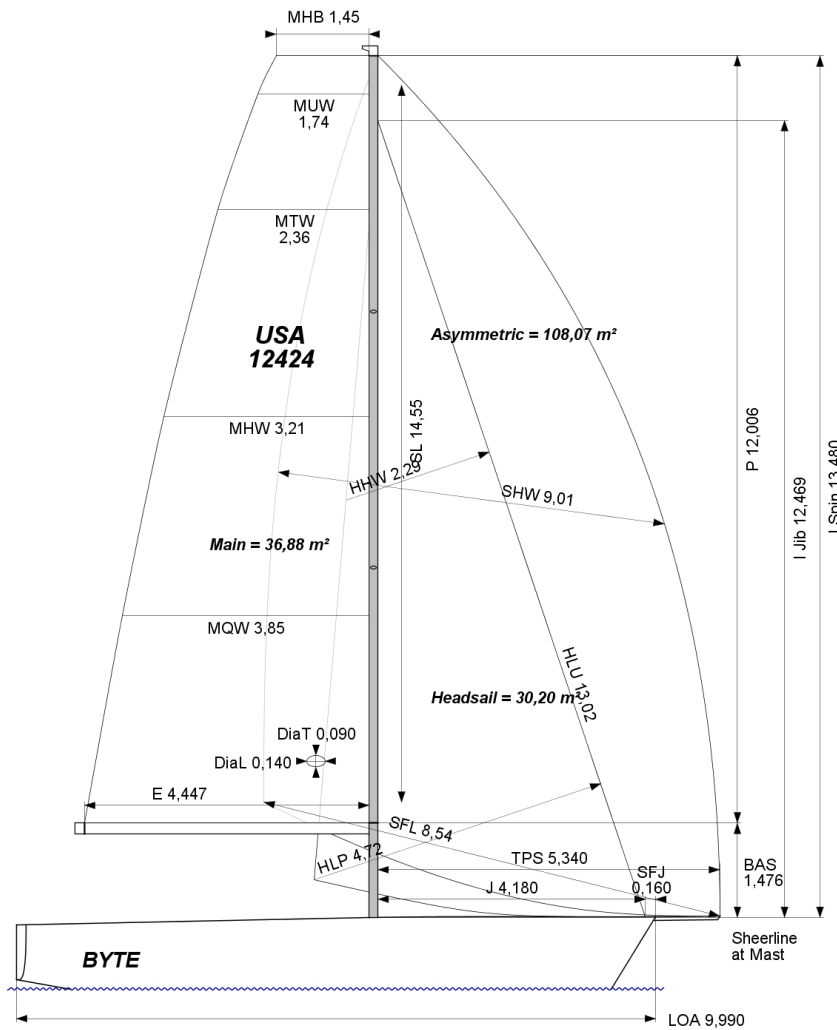
Rating Office

**Offshore
Racing
Congress**



Certificate

Number **US6559**
Issued On **26/06/2020**
ORC Ref **03410000LI4**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



BOAT	
Name	BYTE
Sail Nr	USA 12424

GPH	
	608.6

HULL			
Data File	US6559DH	LOA	9.990m
Offset File	SUNFAST3300.of	MB	3.408m
Displacement	3,727kg	Draft	1.952m

Crew Weight	
Default	170kg
Maximum	170kg
Non Manual Pwr	No

CLASS	
Class	SUN FAST 3300
Designer	ANDRIEU - VERDIER
Builder	JEANNEAU
Series	04/2019
Age Date	05/2020
Age Allowance	0.033%

IMS Division	Performance	Dynamic All.	0.000%
Fiber Rigging	No	Construction	Cored
Crew Arm Ex		Aramid Core	No
		Carbon Rudder	No
		Light Stanchions	No

Sails Limitations	
Headsails	5
Spinnakers	4

IMSL	9.396m	VCGD	-0.168m	Sink	18.11kg/mm
RL	8.873m	VCGM	-0.058m	WS	22.32m²
LSM0	8.692m	Displacement/Length ratio	5.6754		

Asymmetric on centerline	
Spinnaker configuration	
Symmetric:	No
Asymmetric:	Yes 108.07
Flying H/S:	No
Spin. Pole:	No

COMMENTS	

Water Ballast	212	Trim Tab	No
BLR Index	1.0859		

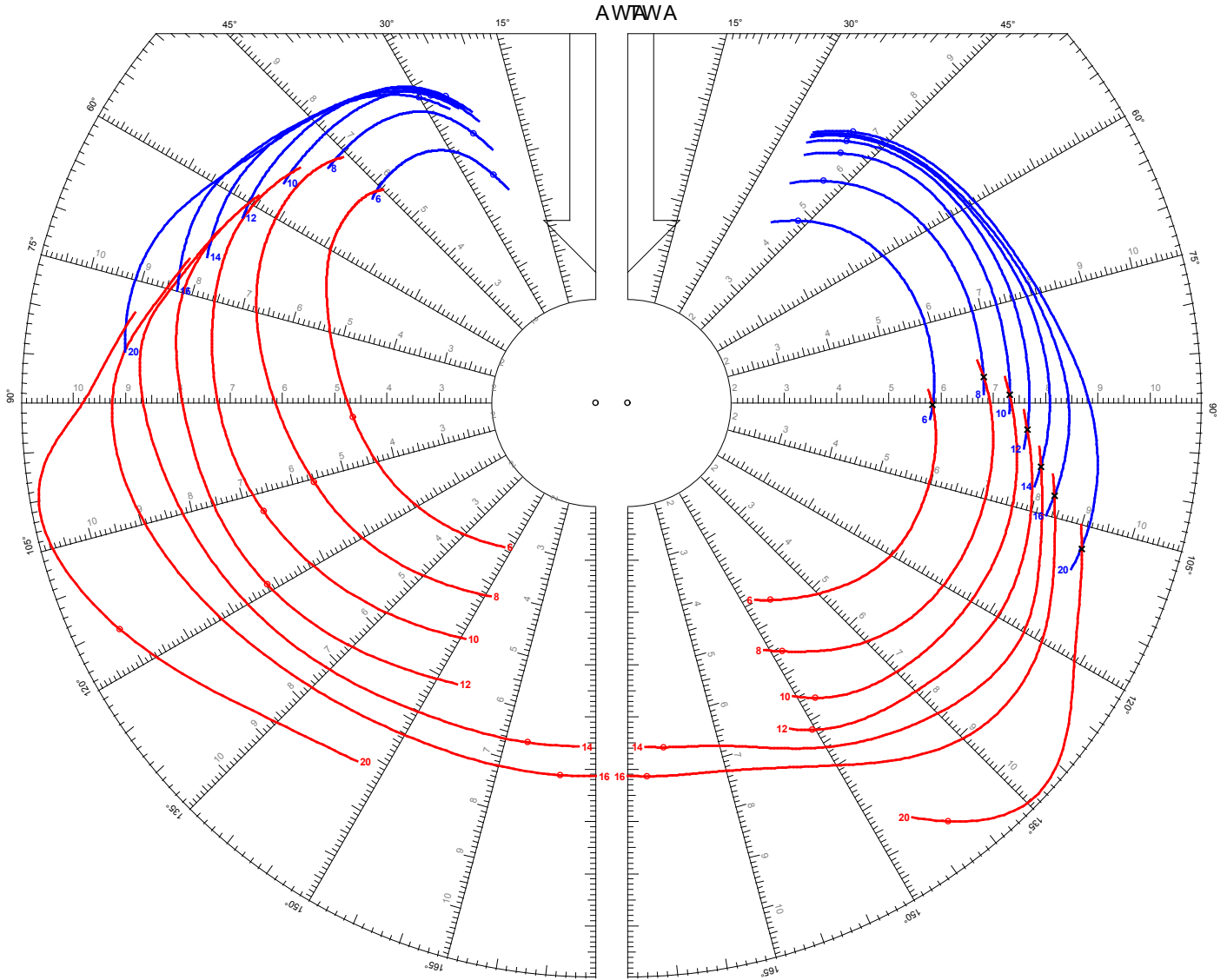
PROPELLER			
Installation	Shaft non exposed	PRD	0.338
Type	Folding 2 blades	PBW	0.090
		PIPA	0.0030

CENTERBOARD	
NA	

Stability (Measured)	
Limit Positive Stab.:	113.6°
Stability Index:	109.2

SCORING OPTIONS		
	Time on Distance	Time on Time
Coastal or Long Distance	591.2	1.0148
Circular Random	608.6	0.9859
Predominantly Upwind	590.0	1.0169
Predominantly Downwind	547.9	1.0951

Owner	



Polar Plot for Boat	
Name	BYTE
Sail Number	USA 12424
Class	SUN FAST 3300
Designer	ANDRIEU - VERDIER
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2020

Double Handed Certificate Appendix

BOAT	
Name BYTE	Certificate Number US6559
Sail Nr USA 12424	Issued On 26/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1031.5	846.9	753.0	708.9	692.8	686.5	678.4
52°	674.2	566.4	516.8	498.3	491.0	487.4	482.4
60°	637.9	543.1	502.9	485.7	476.1	471.1	466.1
75°	611.2	527.6	492.8	471.3	455.0	444.0	435.2
90°	615.9	519.0	486.8	468.2	445.6	426.5	403.2
110°	604.8	509.0	470.8	442.2	423.9	410.0	383.3
120°	618.8	516.3	475.0	440.6	411.3	389.9	359.9
135°	698.9	557.9	495.2	461.9	429.1	397.0	332.9
150°	828.3	657.0	553.1	499.4	474.1	450.3	389.9
Run VMG	956.5	758.6	638.6	576.2	547.2	504.7	450.2
Selected Courses							
Windward / Leeward	994.0	802.8	695.8	642.5	620.0	595.6	564.3
Circular Random	836.5	675.8	590.5	541.4	511.0	490.2	460.5
Coastal / Long Distance	990.2	754.0	628.8	559.8	523.7	491.5	439.0
Non Spinnaker	904.1	723.6	625.6	567.9	531.9	507.9	476.2

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	43.1°	41.4°	40.5°	39.4°	38.6°	38.6°	38.6°
Beat VMG	3.49	4.25	4.78	5.08	5.20	5.24	5.31
52°	5.34	6.36	6.97	7.23	7.33	7.39	7.46
60°	5.64	6.63	7.16	7.41	7.56	7.64	7.72
75°	5.89	6.82	7.30	7.64	7.91	8.11	8.27
90°	5.84	6.94	7.39	7.69	8.08	8.44	8.93
110°	5.95	7.07	7.65	8.14	8.49	8.78	9.39
120°	5.82	6.97	7.58	8.17	8.75	9.23	10.00
135°	5.15	6.45	7.27	7.79	8.39	9.07	10.81
150°	4.35	5.48	6.51	7.21	7.59	8.00	9.23
Run VMG	3.76	4.75	5.64	6.25	6.58	7.13	8.00
Gybe Angles	144.0°	148.0°	147.5°	150.5°	174.0°	177.0°	142.5°