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Double Handed

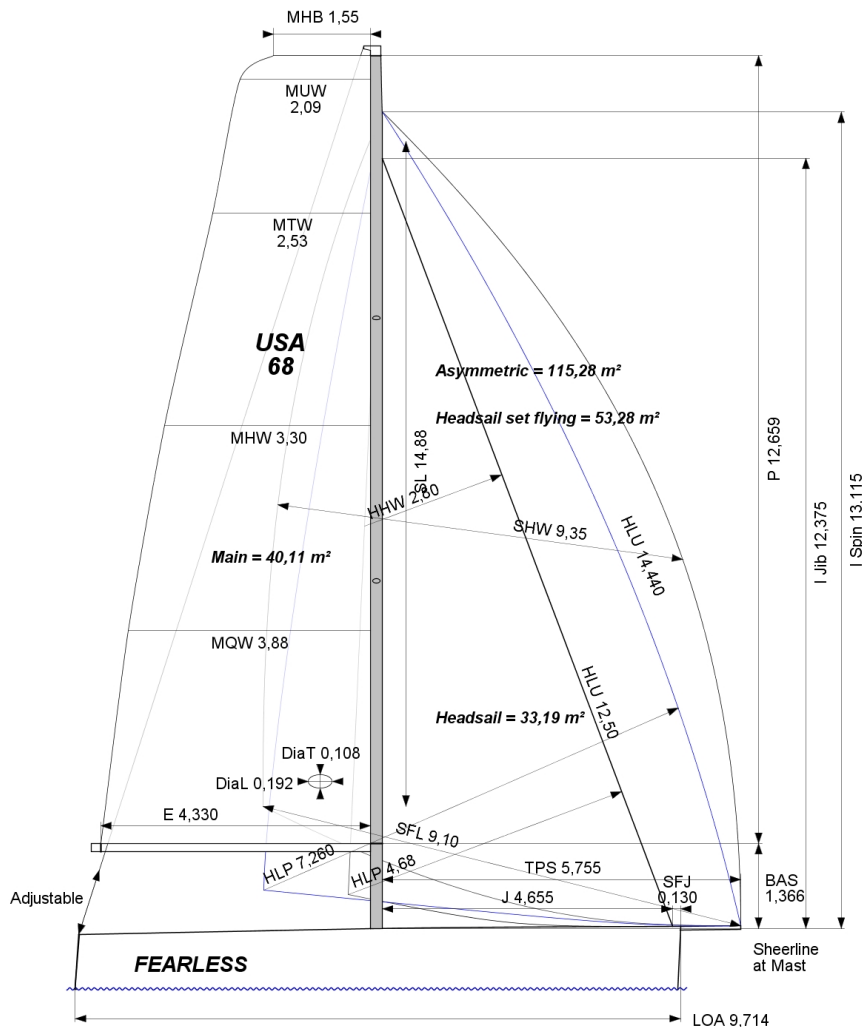
Rating Office

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Congress

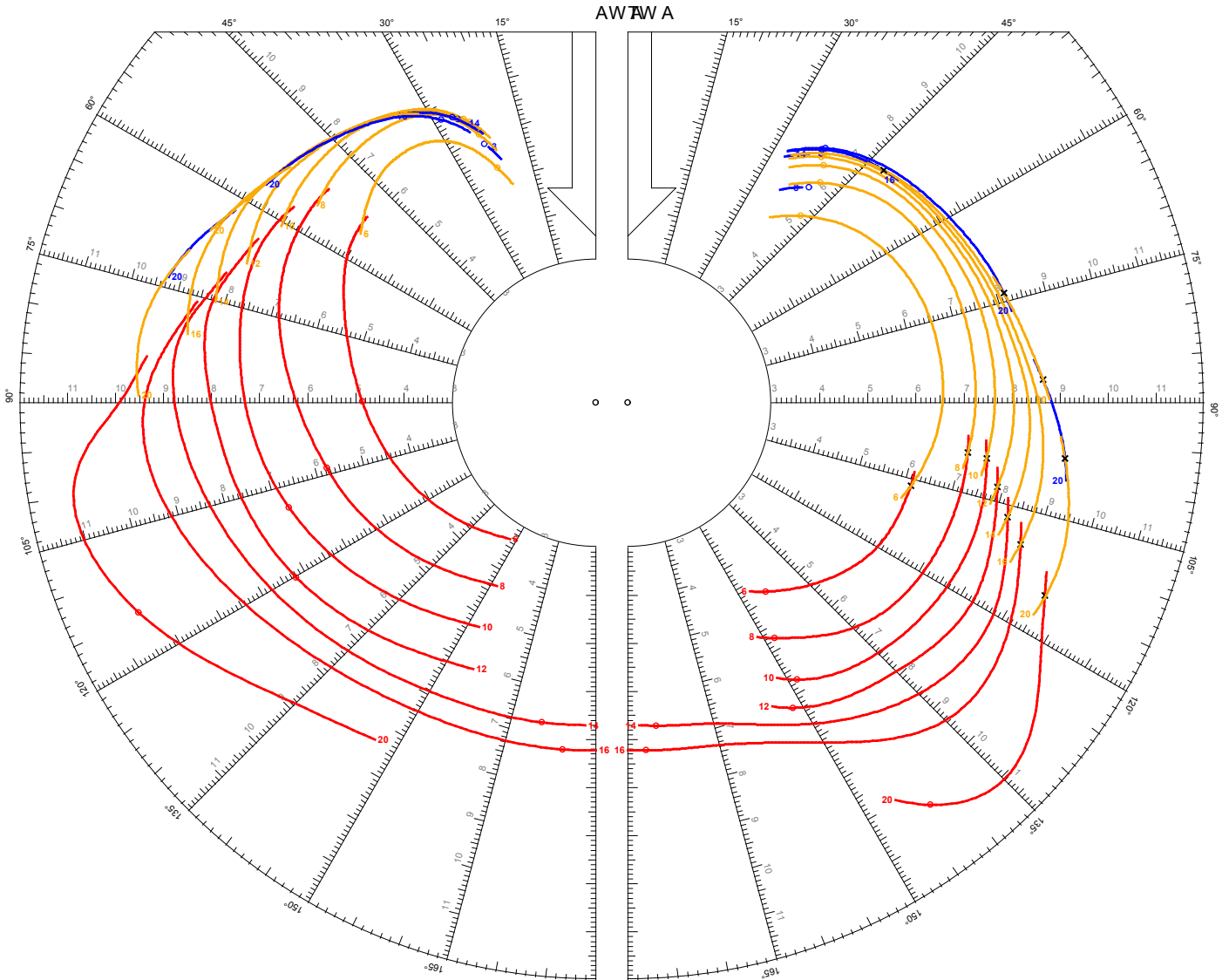


Certificate

Number **US6576**
Issued On **13/01/2021**
ORC Ref **03410000TN1**
VPP Ver. **2020 1.02**
Valid until **31/01/2021**



BOAT Name FEARLESS Sail Nr USA 68		GPH 587.0	HULL Data File US6576DH LOA 9.714m Offset File FIGARO3a.off MB 3.452m Displacement 3,689kg Draft 2.523m		Crew Weight Default 170kg Maximum 180kg Non Manual Pwr No	
CLASS Class BENETEAU FIGARO 3 Designer VPLP Builder Beneteau Series 03/2018 Age Date 01/2019 Age Allowance 0.065%			Performance Dynamic All. 0.000% Construction Cored Aramid Core No Carbon Rudder Yes Light Stanchions No		Sails Limitations Headsails 5 Spinnakers 4 Asymmetric on centerline Spinnaker configuration Symmetric: No Asymmetric: Yes 115.28 Flying H/S: Yes 53.28 Spin. Pole: No	
COMMENTS			IMSLS 9.717m VCGD -0.093m Sink 18.13kg/mm RL 8.991m VCGM -0.116m WS 21.85m² LSM0 9.749m Displacement/Length ratio 3.9813		Stability (Measured) Limit Positive Stab.: 115.1° Stability Index: 110.4	
PROPELLER Type No Propeller			DYNAMIC STABILITY SYSTEM Wing Span 2.300 Maximum Thickness 0.050 Wing Angle 75.0 Root Chord Distance 1.800 Chord Length 0.450		Owner	
SCORING OPTIONS						
	Time on Distance	Time on Time				
Coastal or Long Distance	575.1	1.0434				
Circular Random	587.0	1.0221				
Predominantly Upwind	572.5	1.0480				
Predominantly Downwind	533.6	1.1245				



Polar Plot for Boat	
Name	FEARLESS
Sail Number	USA 68
Class	BENETEAU FIGARO 3
Designer	VPLP
Builder	Beneteau
Issued On	13/01/2021 - VPP 2020 1.02

BOAT	
Name	FEARLESS
Sail Nr	USA 68
Certificate Number	US6576
Issued On	13/01/2021

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	925.9	787.3	730.0	704.2	694.4	683.5	670.8
52°	610.0	530.1	506.8	492.7	485.3	478.9	473.8
60°	577.6	511.5	490.5	475.4	465.8	458.8	450.1
75°	551.0	497.9	474.2	450.9	435.8	426.5	415.7
90°	549.9	497.7	471.4	447.0	420.1	401.3	382.1
110°	588.7	502.6	467.2	432.4	411.4	391.9	358.9
120°	601.1	508.6	470.1	434.5	396.8	373.2	339.1
135°	672.8	543.9	489.6	455.9	421.0	385.6	313.3
150°	795.2	638.4	542.0	492.9	467.7	442.0	373.3
Run VMG	918.2	737.2	625.9	568.0	536.7	498.4	431.0
Selected Courses							
Windward / Leeward	922.1	762.2	678.0	636.1	615.5	590.9	550.9
Circular Random	790.1	646.6	571.2	527.3	498.8	477.7	444.6
Coastal / Long Distance	921.7	717.6	613.3	551.6	514.3	479.4	421.2
Non Spinnaker	862.7	697.1	608.1	555.6	521.8	497.9	463.6

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	42.8°	41.3°	39.6°	38.3°	38.3°	37.5°	39.0°
Beat VMG	3.89	4.57	4.93	5.11	5.18	5.27	5.37
52°	5.90	6.79	7.10	7.31	7.42	7.52	7.60
60°	6.23	7.04	7.34	7.57	7.73	7.85	8.00
75°	6.53	7.23	7.59	7.98	8.26	8.44	8.66
90°	6.55	7.23	7.64	8.05	8.57	8.97	9.42
110°	6.12	7.16	7.71	8.33	8.75	9.19	10.03
120°	5.99	7.08	7.66	8.29	9.07	9.65	10.62
135°	5.35	6.62	7.35	7.90	8.55	9.34	11.49
150°	4.53	5.64	6.64	7.30	7.70	8.14	9.64
Run VMG	3.92	4.88	5.75	6.34	6.71	7.22	8.35
Gybe Angles	143.8°	148.0°	148.5°	151.5°	175.0°	177.0°	143.0°