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Double Handed

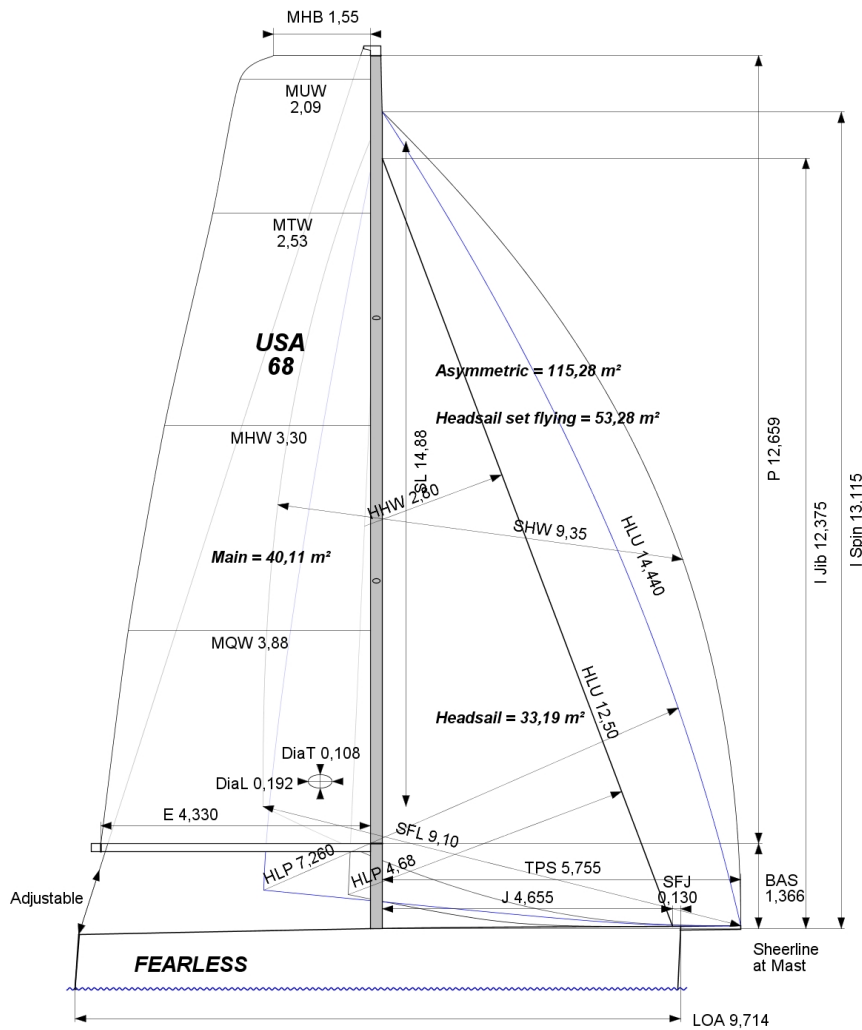
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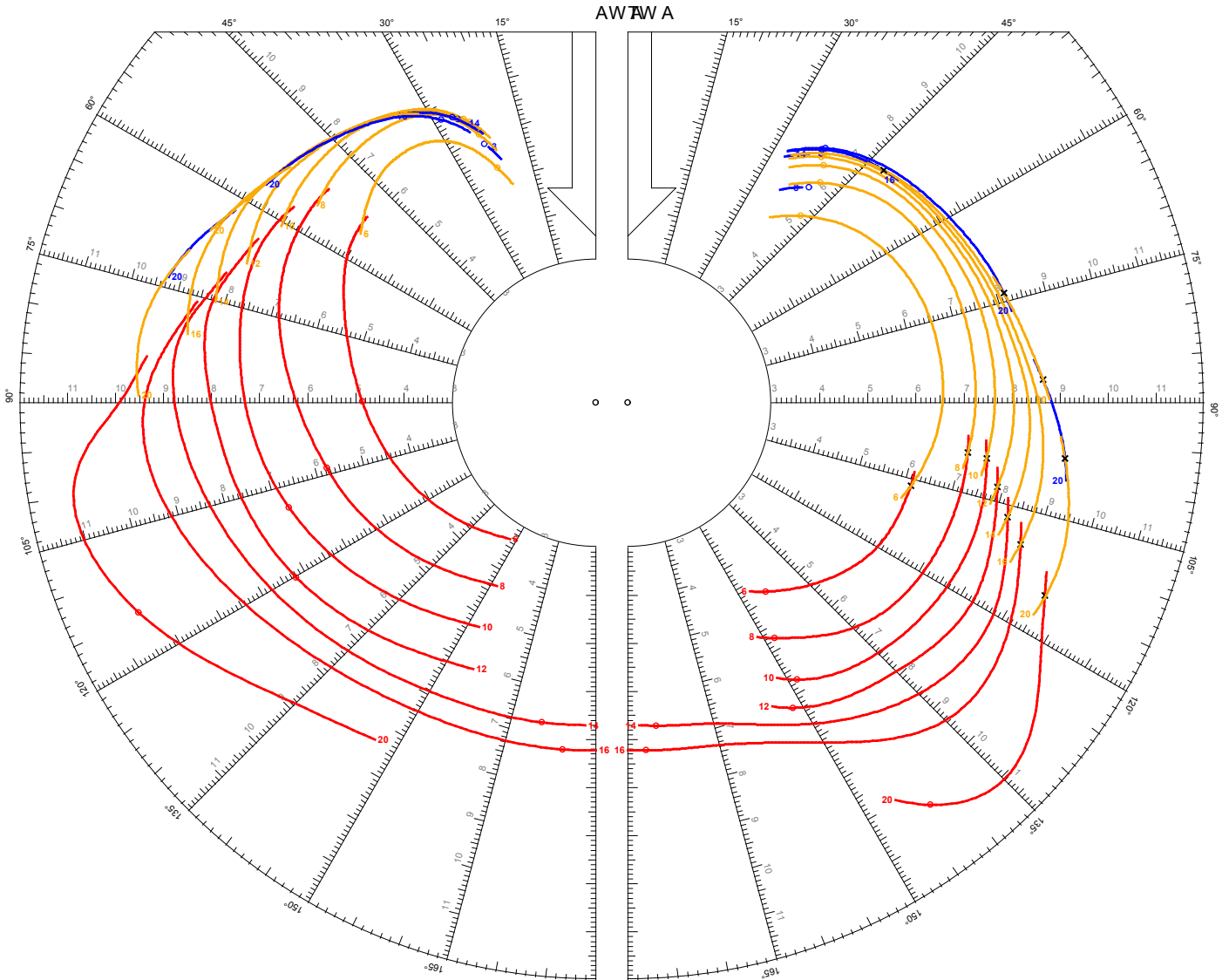


Certificate

Number **US6576**
Issued On **02/10/2020**
ORC Ref **03410000RDT**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



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 IMS Division Performance Dynamic All. 0.000% Fiber Rigging No Construction Cored Crew Arm Ex 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			Dynamic Stability System Water Ballast 0 Trim Tab No BLR Index 0.0000		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 02/10/2020 - VPP 2020 1.02

BOAT			
Name	FEARLESS	Certificate Number	US6576
Sail Nr	USA 68	Issued On	02/10/2020

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°	