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2020
Club
Double Handed

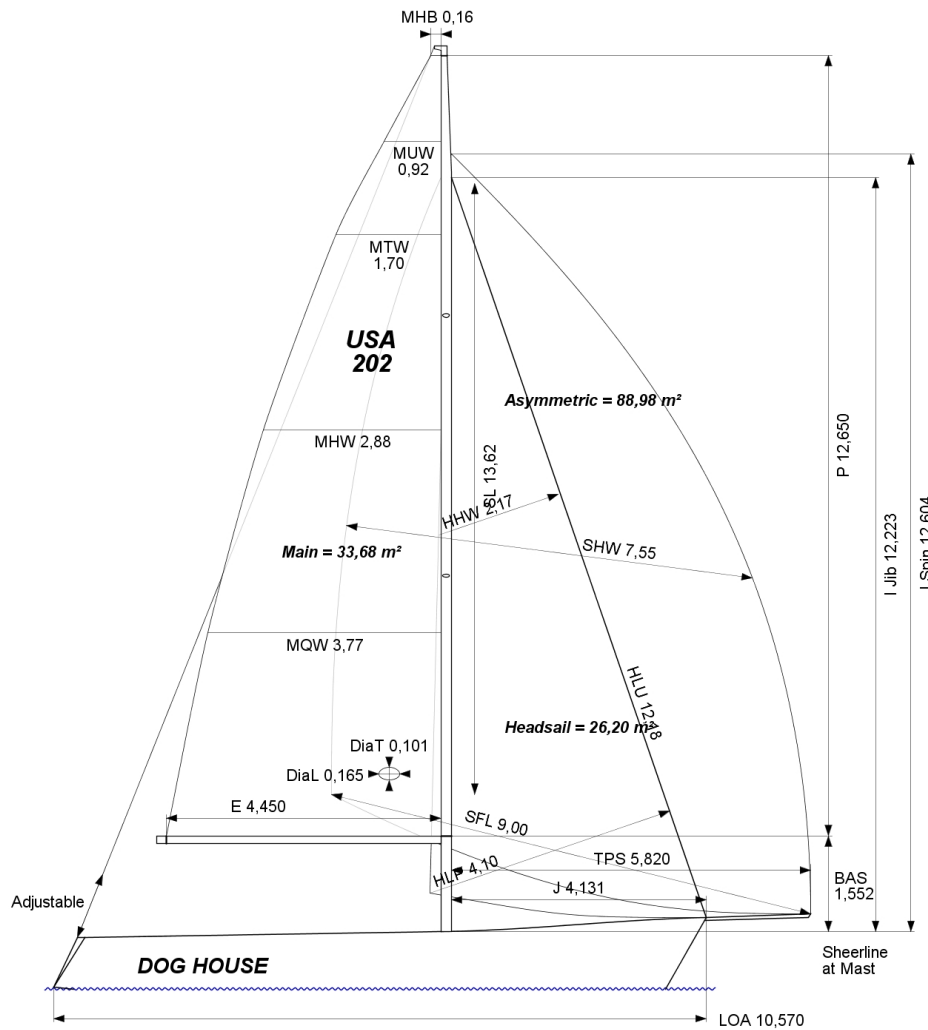
Rating Office

**Offshore
Racing
Congress**

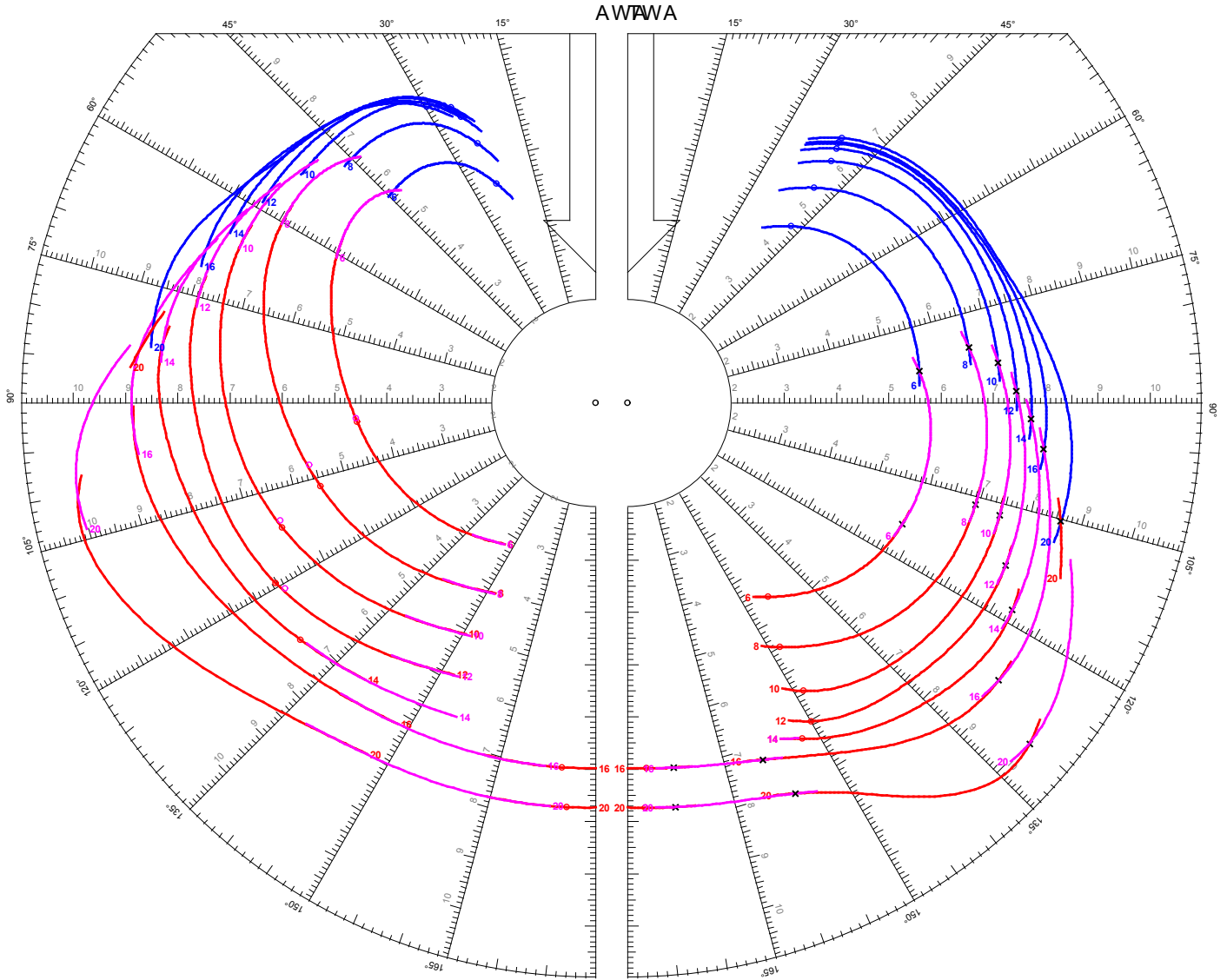


Certificate

Number **US6712**
Issued On **10/09/2020**
ORC Ref **03410000Q5U**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



BOAT Name DOG HOUSE Sail Nr USA 202		GPH 631.3	HULL Data File US6713dh LOA 10.570m Offset File H204+.OFF MB 3.346m Displacement 3,939kg Draft 2.004m		Crew Weight Default 170kg Maximum 170kg Non Manual Pwr No
CLASS Class J105 Designer JOHNSTONE Builder TILLOTSON-PEARSON Series 07/1994 Age Date 01/1998 Age Allowance 0.487%			Performance IMS Division Performance Dynamic All. 0.000% Fiber Rigging No Construction Cored Crew Arm Ex 0.00 Aramid Core No Carbon Rudder No Light Stanchions No		Sails Limitations Headsails 5 Spinnakers 4 Asymmetric on centerline Spinnaker configuration Symmetric: No Asymmetric: Yes 88.98 Flying H/S: No Spin. Pole: No
COMMENTS			IMS IMS L 9.717m VCGD -0.078m Sink 17.39kg/mm RL 8.080m VCGM -0.096m WS 23.06m² LSM0 9.658m Displacement/Length ratio 4.3724		Water Ballast 0 Trim Tab No BLR Index 0.0000
PROPELLER Installation Shaft exposed PRD 0.381 Type Folding 2 blades PBW 0.098 PIPA 0.0031		CENTERBOARD N/A		Stability (Estimated) Limit Positive Stab.: 113.9° Stability Index: 111.6	
SCORING OPTIONS					
	Time on Distance	Time on Time			
Coastal or Long Distance	614.0	0.9773			
Circular Random	631.3	0.9504			
Predominantly Upwind	613.8	0.9774			
Predominantly Downwind	566.9	1.0583			
Owner					



Polar Plot for Boat	
Name	DOG HOUSE
Sail Number	USA 202
Class	J105
Designer	JOHNSTONE
Builder	TILLOTSON-PEARSON
Issued On	10/09/2020 - VPP 2020 1.02

2020

Double Handed Certificate Appendix

BOAT	
Name	DOG HOUSE
Certificate Number	US6712
Sail Nr	USA 202
Issued On	10/09/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1068.8	877.2	781.6	742.8	728.7	724.2	713.3
52°	704.2	589.7	535.8	517.4	511.0	508.2	501.4
60°	668.7	564.3	520.0	503.3	496.3	492.8	487.0
75°	642.9	547.2	508.3	489.8	477.0	469.1	462.8
90°	632.3	531.5	501.3	485.6	467.8	451.7	430.8
110°	625.2	522.6	485.9	461.2	443.9	429.8	407.1
120°	642.3	532.0	489.5	459.9	431.4	411.5	382.3
135°	714.1	577.8	510.2	478.1	447.3	416.6	357.9
150°	845.3	671.2	569.2	514.9	490.7	467.4	413.7
Run VMG	976.0	775.0	657.3	594.5	563.5	517.8	467.5
Selected Courses							
Windward / Leeward	1022.4	826.1	719.4	668.7	646.1	621.0	590.4
Circular Random	864.5	699.3	612.4	563.3	533.7	513.9	486.2
Coastal / Long Distance	1017.8	775.9	649.8	582.3	547.0	515.3	462.9
Non Spinnaker	943.1	753.4	650.7	590.8	553.8	529.6	498.8

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°	40.9°	40.1°	39.4°	39.0°	39.0°	39.0°
Beat VMG	3.37	4.10	4.61	4.85	4.94	4.97	5.05
52°	5.11	6.10	6.72	6.96	7.05	7.08	7.18
60°	5.38	6.38	6.92	7.15	7.25	7.31	7.39
75°	5.60	6.58	7.08	7.35	7.55	7.67	7.78
90°	5.69	6.77	7.18	7.41	7.70	7.97	8.36
110°	5.76	6.89	7.41	7.81	8.11	8.38	8.84
120°	5.60	6.77	7.35	7.83	8.34	8.75	9.42
135°	5.04	6.23	7.06	7.53	8.05	8.64	10.06
150°	4.26	5.36	6.32	6.99	7.34	7.70	8.70
Run VMG	3.69	4.64	5.48	6.06	6.39	6.95	7.70
Gybe Angles	144.0°	148.0°	148.5°	150.0°	152.5°	177.0°	177.5°