



ORC

Offshore Racing Congress
World leader in rating technology

**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **US6573**
Issued On **15/09/2020**
ORC Ref **03410000QDP**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 777kg
Maximum **950kg**
Minimum* **713kg**
**when applied by the NoR and SI*
Non Manual Pwr **Yes**

Special Scoring

	ToD	ToT
Non Spin GPH	555.0	1.0811
Non Spin OSN	542.9	1.1053

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 193.25**
Flying H/S: **No**
Spin. Pole: **No**

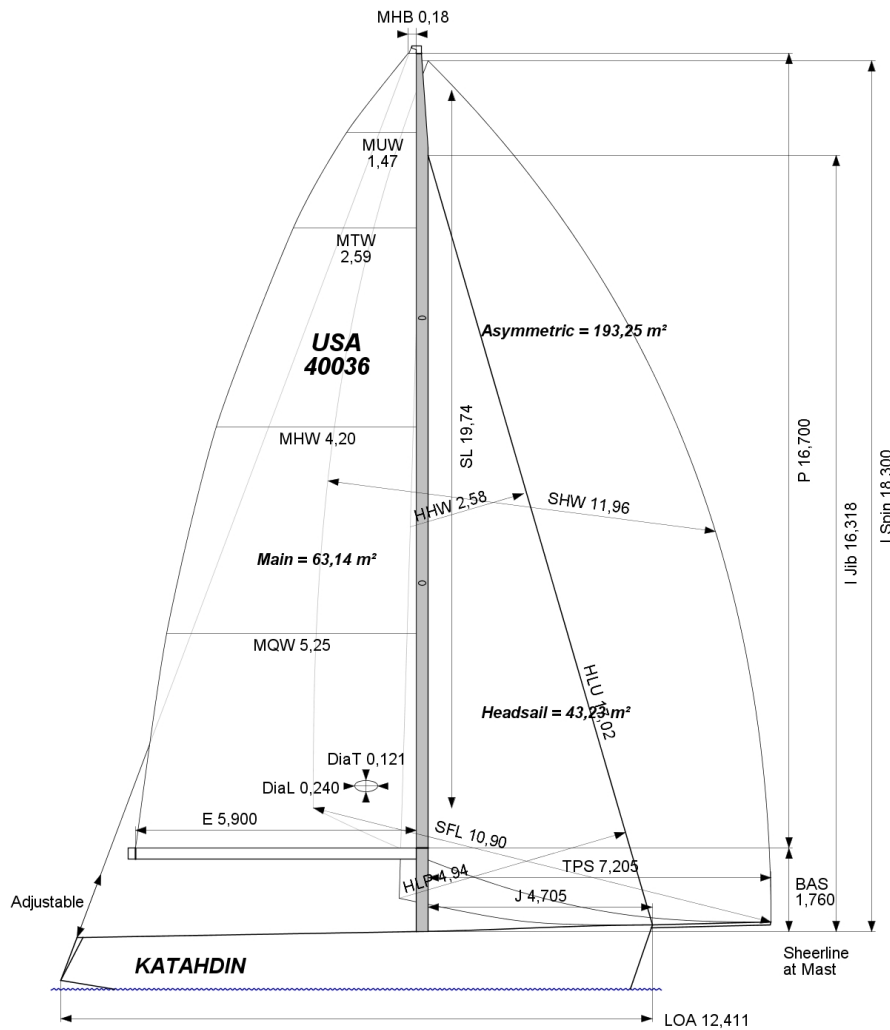
Class Division Length

CDL = 11.392

Stability (Estimated)

Limit Positive Stab.: **131.2°**
Stability Index: **127.6**

Owner



BOAT	GPH	HULL
Name KATAHDIN Sail Nr USA 40036	518.2	Data File US6573 LOA 12.411m Offset File FARR40.od.OFF MB 3.956m Displacement 4,967kg Draft 2.591m
CLASS Class FARR 40 Designer FARR Builder CARROLL Series 05/1997 Age Date 05/1998 Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.003% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder Yes Light Stanchions No
COMMENTS		IMSL 11.218m VCGD -0.367m Sink 20.97kg/mm RL 11.577m VCGM -0.364m WS 27.67m² LSM0 10.887m Displacement/Length ratio 3.8492
PROPELLER Installation Strut PRD 0.407 Type Folding 2 blades PBW 0.100 PIPA 0.0038		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	505.6	567.3
Time on Time	1.1868	1.1898
Triple Number	Low Medium High	Low Medium High
Time on Distance	577.6 465.5 411.1	742.7 573.1 498.0
Time on Time	1.1686 1.4501 1.6421	0.9089 1.1778 1.3553

2020

ORC Club Certificate Appendix

BOAT			
Name	KATAHDIN	Certificate Number	US6573
Sail Nr	USA 40036	Issued On	15/09/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	842.9	693.2	641.3	620.6	609.1	595.1	593.2
52°	551.7	473.7	453.8	445.2	440.4	433.6	426.0
60°	519.8	460.2	440.5	430.6	424.2	418.7	406.1
75°	497.4	450.5	425.0	407.0	397.2	390.9	377.0
90°	499.3	450.2	422.1	395.6	376.1	364.3	351.5
110°	505.3	442.9	414.9	394.5	375.7	357.8	317.4
120°	518.2	445.4	407.4	381.2	362.1	342.8	308.1
135°	580.2	467.4	426.7	388.5	351.7	317.8	276.9
150°	691.6	550.6	473.0	428.8	398.6	364.6	289.4
Run VMG	798.5	635.8	546.2	496.4	460.2	421.0	334.1
Selected Courses							
Windward / Leeward	820.7	664.5	593.7	558.5	534.7	508.1	463.6
Circular Random	700.2	571.7	504.2	464.7	438.7	418.9	387.7
Coastal / Long Distance	818.5	626.9	538.4	486.3	454.2	422.8	370.5
Non Spinnaker	764.6	617.9	538.9	492.1	461.8	440.5	410.9

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°	38.3°	37.5°	36.8°	36.0°	36.6°
Beat VMG	4.27	5.19	5.61	5.80	5.91	6.05	6.07
52°	6.52	7.60	7.93	8.09	8.18	8.30	8.45
60°	6.93	7.82	8.17	8.36	8.49	8.60	8.87
75°	7.24	7.99	8.47	8.85	9.06	9.21	9.55
90°	7.21	8.00	8.53	9.10	9.57	9.88	10.24
110°	7.12	8.13	8.68	9.13	9.58	10.06	11.34
120°	6.95	8.08	8.84	9.44	9.94	10.50	11.68
135°	6.21	7.70	8.44	9.27	10.24	11.33	13.00
150°	5.21	6.54	7.61	8.40	9.03	9.87	12.44
Run VMG	4.51	5.66	6.59	7.25	7.82	8.55	10.77
Gybe Angles	142.5°	144.3°	150.0°	152.5°	149.0°	146.0°	144.0°