



2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **US6360**
Issued On **31/08/2020**
ORC Ref **03410000PDQ**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 1,577kg
Maximum **1,577kg**
Minimum* **1,183kg**
**when applied by the NoR and SI*
Non Manual Pwr **Yes**

Special Scoring

	ToD	ToT
Non Spin GPH	554.4	1.0823
Non Spin OSN	536.5	1.1183

Sails Limitations

Headsails **7** Spinnakers **5**

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 282.97**
Flying H/S: **No**
Spin. Pole: **No**

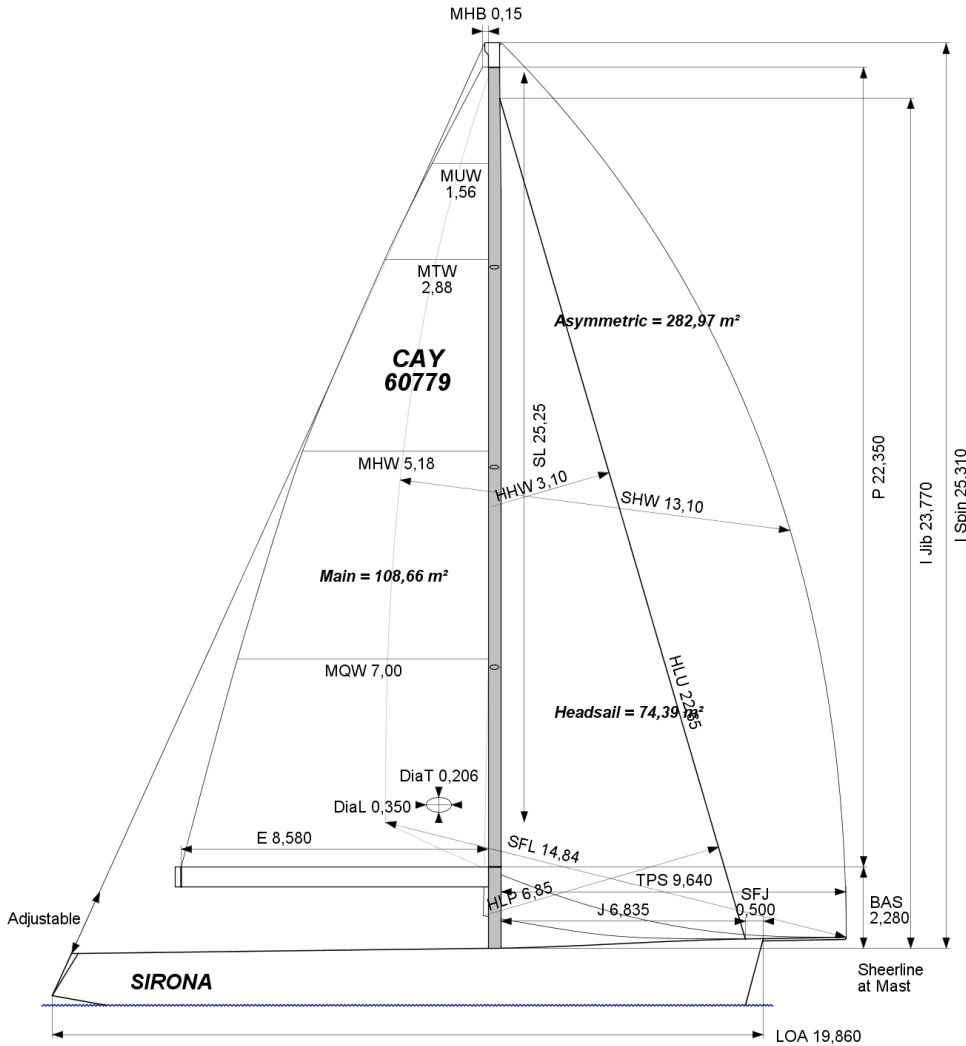
Class Division Length

CDL = 15.807

Stability (Measured)

Limit Positive Stab.: **117.4°**
Stability Index: **132.2**

Owner



BOAT	GPH	HULL
Name SIRONA Sail Nr CAY-60779	509.3	Data File US6360 LOA 19.860m Offset File SY156.off MB 5.226m Displacement 27,153kg Draft 3.680m
CLASS Class TRIPP 65 Designer TRIPP Builder MARTIN Series 01/1999 Age Date 01/1999 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.300% Plan Review Construction Light Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS FRESH WATER BALLAST L.1700		IMSL 18.342m VCGD -0.148m Sink 54.77kg/mm RL 13.263m VCGM -0.155m WS 72.38m² LSM0 17.885m Displacement/Length ratio 4.7463
PROPELLER Installation Shaft exposed PRD 0.620 Type Feathering 3 blades PBW 0.172 PIPA 0.0154		Water Ballast 1,700 Trim Tab No BLR Index 1.2798
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	491.5	553.9
Time on Time	1.2207	1.2187
Triple Number	Low Medium High	Low Medium High
Time on Distance	614.8 443.9 377.9	804.1 561.0 458.9
Time on Time	1.0979 1.5205 1.7860	0.8394 1.2033 1.4708

2020

ORC Club Certificate Appendix

BOAT			
Name	SIRONA	Certificate Number	US6360
Sail Nr	CAY-60779	Issued On	31/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	942.9	753.3	647.8	579.8	534.6	508.8	489.7
52°	605.3	493.5	431.3	392.8	374.0	363.5	354.6
60°	565.1	466.0	410.2	379.8	364.7	355.5	344.8
75°	536.2	444.9	394.8	370.4	356.9	347.1	331.6
90°	540.4	437.9	383.8	361.1	350.3	344.4	325.5
110°	533.1	431.0	377.5	354.6	339.6	326.3	306.6
120°	549.8	441.7	383.8	358.3	341.8	325.5	296.3
135°	617.1	489.6	416.5	375.2	354.7	339.1	306.0
150°	738.4	578.4	485.2	423.4	384.2	364.2	340.1
Run VMG	852.6	667.9	560.3	488.8	443.7	419.7	377.4
Selected Courses							
Windward / Leeward	897.8	710.6	604.0	534.3	489.1	464.2	433.5
Circular Random	729.2	577.1	492.5	441.5	409.2	387.8	361.0
Coastal / Long Distance	893.3	664.7	537.5	457.6	414.2	386.2	346.1
Non Spinnaker	810.6	635.2	535.6	473.7	433.3	406.0	372.3

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	44.3°	42.8°	41.3°	40.5°	39.4°	38.1°	36.9°
Beat VMG	3.82	4.78	5.56	6.21	6.73	7.08	7.35
52°	5.95	7.30	8.35	9.16	9.63	9.90	10.15
60°	6.37	7.73	8.78	9.48	9.87	10.13	10.44
75°	6.71	8.09	9.12	9.72	10.09	10.37	10.86
90°	6.66	8.22	9.38	9.97	10.28	10.45	11.06
110°	6.75	8.35	9.54	10.15	10.60	11.03	11.74
120°	6.55	8.15	9.38	10.05	10.53	11.06	12.15
135°	5.83	7.35	8.64	9.60	10.15	10.62	11.77
150°	4.88	6.22	7.42	8.50	9.37	9.89	10.59
Run VMG	4.22	5.39	6.43	7.36	8.11	8.58	9.54
Gybe Angles	142.0°	144.5°	147.0°	148.5°	150.0°	151.0°	176.0°