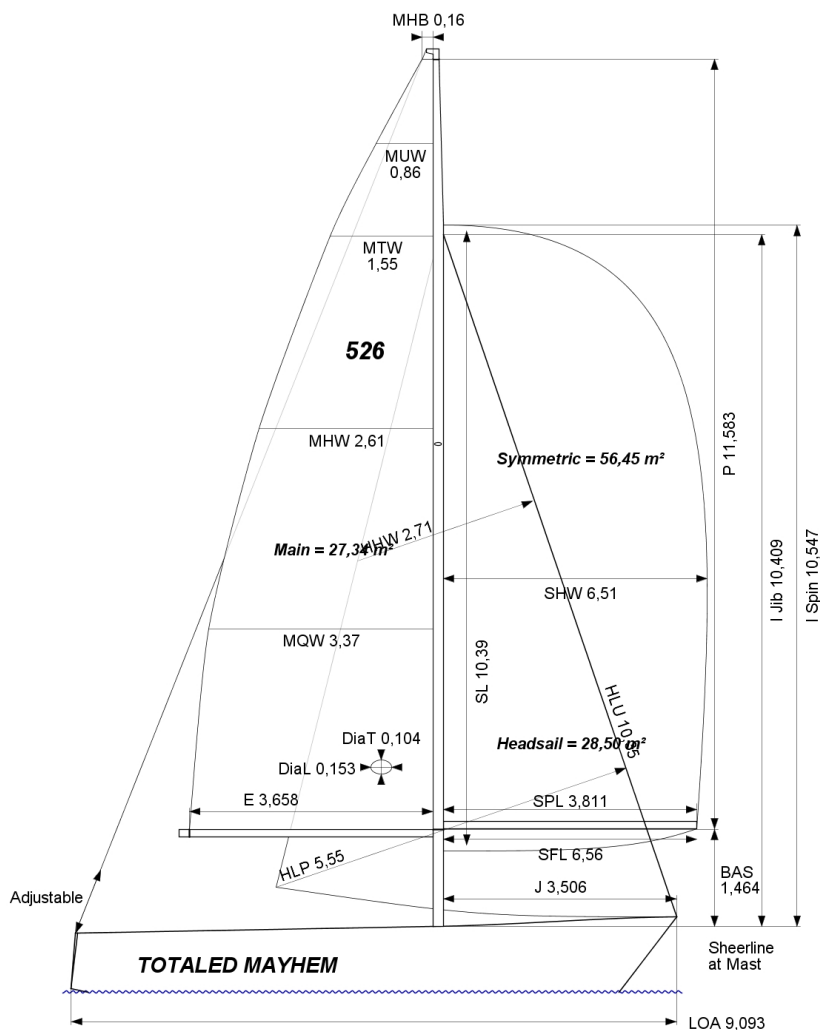




BOAT	GPH	HULL
Name TOTALED MAYHEM Sail Nr 526	670.2	Data File US6553 LOA 9.093m Offset File US9190.OFF MB 3.408m Displacement 3,166kg Draft 1.637m
CLASS Class J-30 Designer Rod Johnstone Builder Tillotson Pearson, Series 01/1979 Age Date 01/1986 Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.012% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex 0.00 Carbon Rudder No Light Stanchions IMSL 8.002m VCGD 0.087m Sink 14.12kg/mm RL 7.676m VCGM 0.092m WS 17.40m² LSM0 7.841m Displacement/Length ratio 6.5674 Water Ballast 0 Trim Tab No BLR Index 0.0000
COMMENTS		CENTERBOARD N/A
PROPELLER Installation Shaft exposed PRD 0.360 Type Folding 2 blades PIPA 0.0023		

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	652.7			723.6		
Time on Time	0.9193			0.9328		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	761.1	596.3	533.9	982.4	725.7	636.4
Time on Time	0.8869	1.1319	1.2642	0.6871	0.9302	1.0606



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Number **US6553**
Issued On **07/08/2020**
ORC Ref **03410000061**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default **487kg**
Maximum **635kg**
Minimum* **476kg**
*when applied by the NoR and SI
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **692.1 0.8669**
Non Spin OSN **672.4 0.8924**

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration
Symmetric: **Yes 56.45**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 7.836

Stability (Estimated)

Limit Positive Stab.: **108.9°**
Stability Index: **103.1**

Owner

2020

ORC Club Certificate Appendix

BOAT			
Name	TOTALED MAYHEM	Certificate Number	US6553
Sail Nr	526	Issued On	07/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1091.6	925.4	814.6	762.2	745.9	739.7	748.6
52°	718.0	611.2	566.6	547.1	538.5	534.5	533.3
60°	678.0	587.0	553.7	535.6	524.2	518.7	515.4
75°	650.5	573.1	543.9	524.1	506.7	493.4	482.9
90°	657.6	575.0	538.7	514.3	497.0	482.3	456.5
110°	679.3	574.1	534.5	505.4	477.6	454.4	426.8
120°	700.9	586.5	541.5	512.6	484.2	458.3	412.6
135°	773.4	639.0	565.9	533.2	506.0	478.6	428.4
150°	922.0	734.0	624.3	561.9	532.1	506.6	457.2
Run VMG	1064.6	847.8	717.6	628.9	570.8	538.8	489.3
Selected Courses							
Windward / Leeward	1078.1	886.6	766.1	695.5	658.3	639.2	618.9
Circular Random	914.3	742.7	651.0	597.8	565.2	543.9	517.4
Coastal / Long Distance	1076.8	833.4	694.8	615.9	576.2	545.5	492.8
Non Spinnaker	952.6	769.8	671.6	614.3	579.1	556.4	529.3

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	42.4°	43.1°	40.5°	38.3°	37.9°	37.7°	38.6°
Beat VMG	3.30	3.89	4.42	4.72	4.83	4.87	4.81
52°	5.01	5.89	6.35	6.58	6.68	6.74	6.75
60°	5.31	6.13	6.50	6.72	6.87	6.94	6.99
75°	5.53	6.28	6.62	6.87	7.11	7.30	7.45
90°	5.47	6.26	6.68	7.00	7.24	7.46	7.89
110°	5.30	6.27	6.74	7.12	7.54	7.92	8.44
120°	5.14	6.14	6.65	7.02	7.43	7.86	8.72
135°	4.65	5.63	6.36	6.75	7.12	7.52	8.40
150°	3.90	4.90	5.77	6.41	6.77	7.11	7.87
Run VMG	3.38	4.25	5.02	5.72	6.31	6.68	7.36
Gybe Angles	147.0°	152.0°	153.0°	164.0°	180.0°	180.0°	180.0°