



ORC

Offshore Racing Congress
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2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **US6724**
Issued On **22/09/2020**
ORC Ref **03410000QR9**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 553kg
Maximum **629kg**
Minimum* **472kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	576.7	1.0404
Non Spin OSN	565.7	1.0607

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 124.90**
Flying H/S: **No**
Spin. Pole: **No**

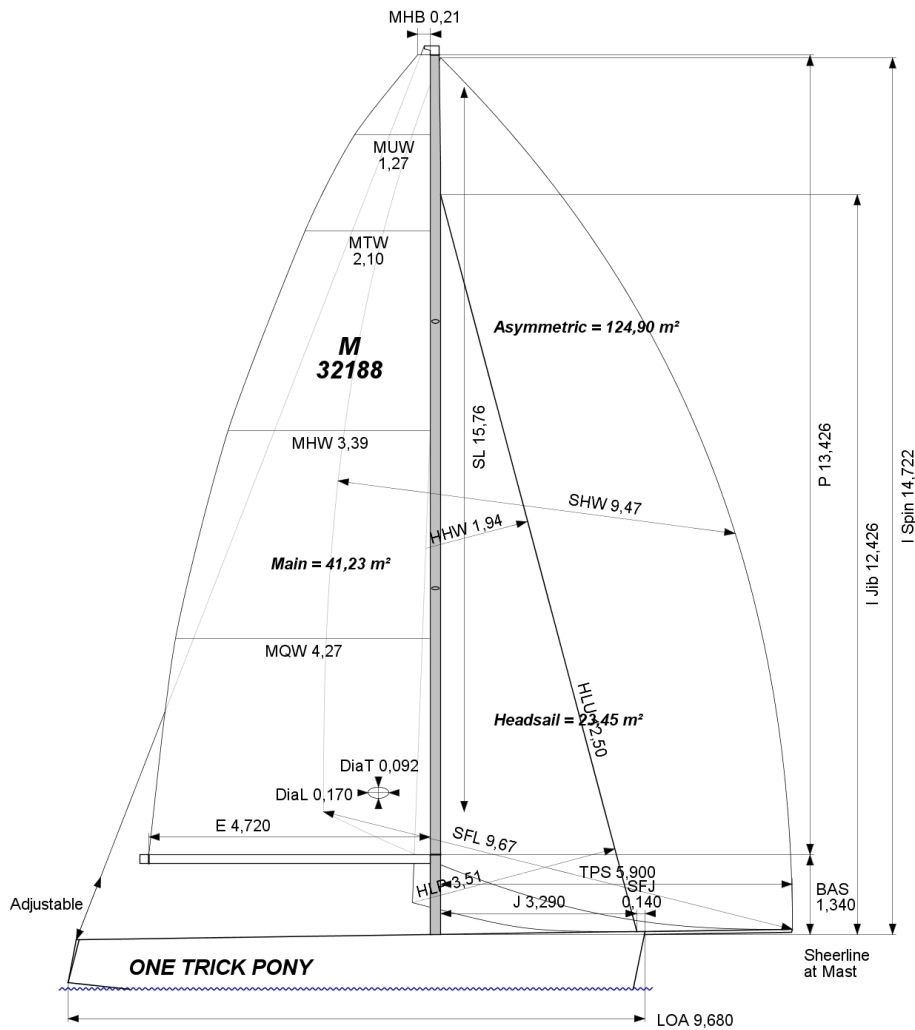
Class Division Length

CDL = 9.353

Stability (Estimated)

Limit Positive Stab.: **127.1°**
Stability Index: **120.4**

Owner



BOAT	GPH	HULL
Name ONE TRICK PONY Sail Nr M32-188	534.0	Data File US6724 LOA 9.680m Offset File melg32.OD.OFF MB 2.944m Displacement 1,712kg Draft 2.163m
CLASS Class MELGES 32 OD Designer REICHEL/PUGH Builder MELGES Series 03/2005 Age Date Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.000% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder Yes Light Stanchions No
COMMENTS		IMSL 9.030m VCGD -0.399m Sink 12.22kg/mm RL 9.684m VCGM -0.405m WS 15.83m² LSM0 8.582m Displacement/Length ratio 2.7086
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD NA
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	522.8	589.0
Time on Time	1.1477	1.1460
Triple Number	Low Medium High	Low Medium High
Time on Distance	593.1 483.0 417.9	755.6 602.0 510.3
Time on Time	1.1380 1.3976 1.6154	0.8933 1.1212 1.3227

2020

ORC Club Certificate Appendix

BOAT			
Name	ONE TRICK PONY	Certificate Number	US6724
Sail Nr	M32-188	Issued On	22/09/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	854.5	725.9	691.7	678.5	666.0	659.9	665.7
52°	561.5	507.0	491.6	482.9	474.8	464.1	460.7
60°	536.4	490.7	470.6	459.2	452.3	437.9	431.1
75°	520.3	472.6	438.4	422.6	412.8	405.3	384.1
90°	520.1	473.0	424.6	393.5	377.4	366.8	349.0
110°	519.0	460.9	419.7	390.1	366.1	332.2	299.8
120°	527.9	459.5	414.0	375.9	348.6	325.8	284.6
135°	578.8	488.7	428.3	370.7	332.7	303.3	253.0
150°	691.5	557.4	486.7	435.5	379.0	326.8	245.1
Run VMG	798.5	643.6	569.1	502.9	437.7	377.3	283.0
Selected Courses							
Windward / Leeward	826.5	684.7	630.4	590.7	551.8	518.6	474.3
Circular Random	717.5	589.2	520.7	478.8	449.6	427.2	393.9
Coastal / Long Distance	823.7	646.8	567.6	508.9	465.4	426.5	368.1
Non Spinnaker	787.6	640.4	561.0	513.0	481.0	457.4	422.8

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°	39.0°	37.7°	37.1°	36.8°	36.8°	37.9°
Beat VMG	4.21	4.96	5.20	5.31	5.41	5.46	5.41
52°	6.41	7.10	7.32	7.46	7.58	7.76	7.81
60°	6.71	7.34	7.65	7.84	7.96	8.22	8.35
75°	6.92	7.62	8.21	8.52	8.72	8.88	9.37
90°	6.92	7.61	8.48	9.15	9.54	9.81	10.32
110°	6.94	7.81	8.58	9.23	9.83	10.84	12.01
120°	6.82	7.83	8.70	9.58	10.33	11.05	12.65
135°	6.22	7.37	8.41	9.71	10.82	11.87	14.23
150°	5.21	6.46	7.40	8.27	9.50	11.02	14.69
Run VMG	4.51	5.59	6.33	7.16	8.23	9.54	12.72
Gybe Angles	142.3°	147.5°	152.8°	148.0°	142.5°	142.9°	148.3°