



ORC

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2020
ORC Club One
Design Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **US6549**
Issued On **10/06/2020**
ORC Ref **03410000KET**
VPP Ver. **2020 1.00**
Valid until **31/12/2020**

Crew Weight

Default 456kg
Maximum **280kg**
Minimum* **195kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **654.1 0.9173**
Non Spin OSN **641.0 0.9360**

Sails Limitations

Headsails **5** Spinnakers **4**
Asymmetric on centerline
Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 72.28**
Flying H/S: **No**
Spin. Pole: **No**

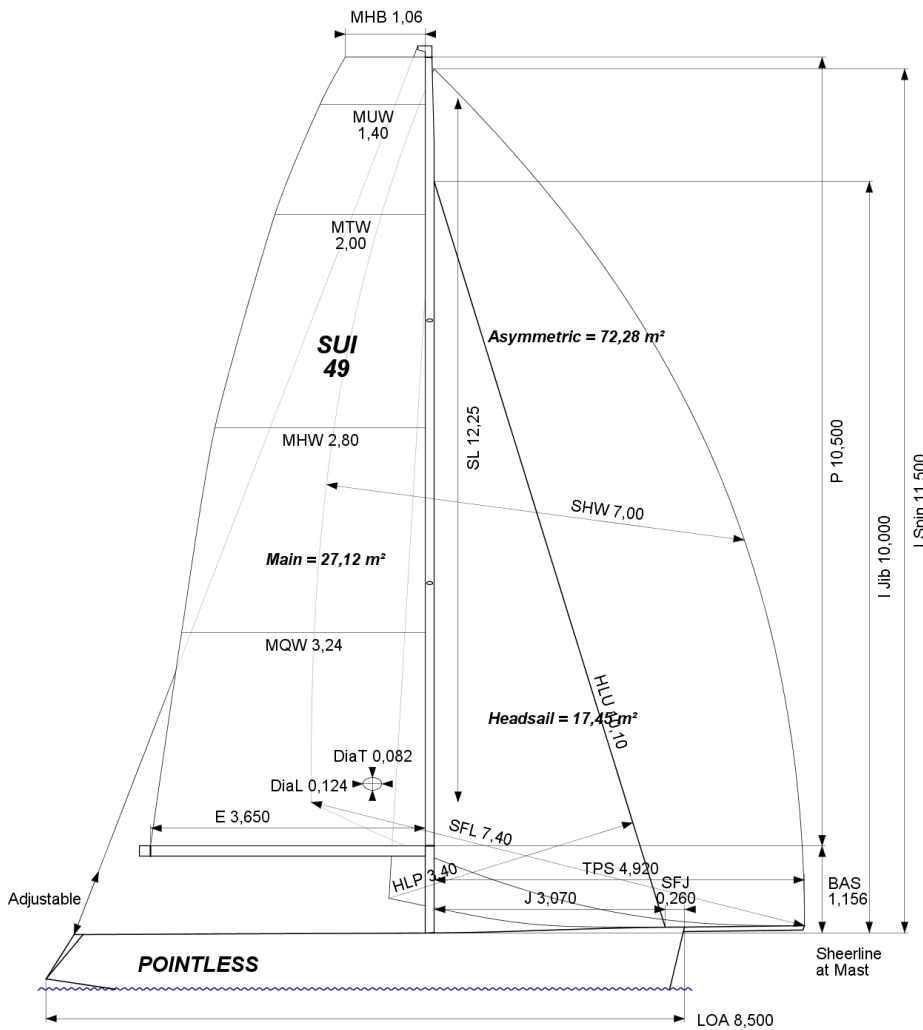
Class Division Length

CDL = 7.539

Stability (Measured)

Limit Positive Stab.: **123.5°**
Stability Index: **119.4**

Owner



BOAT Name POINTLESS Sail Nr SUI 49		GPH 608.9	HULL Data File US6549 LOA 8.500m Offset File s850.OD MB 2.198m Displacement 1,222kg Draft 1.999m			
CLASS Class ESSE 850 Designer FELCI Builder PROTEUS YACHTS Series 01/2004 Age Date Age Allowance 0.487%		IMS Division Sportboat Dynamic All. 0.000% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex 0.50 Carbon Rudder No Light Stanchions No		IMSL 7.962m VCGD -0.314m Sink 9.83kg/mm RL 7.140m VCGM -0.308m WS 12.99m² LSM0 7.487m Displacement/Length ratio 2.9117		
COMMENTS		Water Ballast 0 Trim Tab No BLR Index 0.0000				
PROPELLER Type No Propeller		CENTERBOARD N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	599.7			677.8		
Time on Time	1.0005			0.9958		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	665.6	551.8	492.4	852.4	687.4	602.1
Time on Time	1.0141	1.2233	1.3709	0.7919	0.9819	1.1210

2020

ORC Club Certificate Appendix

BOAT			
Name	POINTLESS	Certificate Number	US6549
Sail Nr	SUI 49	Issued On	10/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	962.8	825.3	795.8	790.2	782.3	779.4	794.5
52°	630.3	562.7	549.5	544.7	539.7	534.6	535.5
60°	597.5	543.2	530.3	524.2	519.6	510.3	508.4
75°	577.2	523.9	500.5	488.4	481.4	474.1	460.3
90°	581.4	523.1	479.7	456.5	443.7	436.4	420.2
110°	577.2	513.1	480.3	454.0	424.2	394.2	373.8
120°	590.8	512.0	465.3	437.2	408.3	383.4	348.0
135°	659.3	543.8	484.9	427.2	378.6	349.8	306.4
150°	784.2	619.9	537.7	489.4	437.3	384.7	290.3
Run VMG	905.5	715.8	623.0	565.1	505.0	444.3	335.2
Selected Courses							
Windward / Leeward	934.1	770.5	709.4	677.7	643.6	611.8	564.8
Circular Random	809.8	667.2	593.4	550.7	522.5	501.5	470.6
Coastal / Long Distance	931.3	726.3	639.2	585.1	542.1	502.2	440.1
Non Spinnaker	891.1	724.0	635.6	584.1	551.4	528.5	496.2

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°	40.5°	39.8°	39.8°	40.5°	41.1°	42.4°
Beat VMG	3.74	4.36	4.52	4.56	4.60	4.62	4.53
52°	5.71	6.40	6.55	6.61	6.67	6.73	6.72
60°	6.03	6.63	6.79	6.87	6.93	7.06	7.08
75°	6.24	6.87	7.19	7.37	7.48	7.59	7.82
90°	6.19	6.88	7.51	7.89	8.11	8.25	8.57
110°	6.24	7.02	7.50	7.93	8.49	9.13	9.63
120°	6.09	7.03	7.74	8.23	8.82	9.39	10.34
135°	5.46	6.62	7.42	8.43	9.51	10.29	11.75
150°	4.59	5.81	6.69	7.36	8.23	9.36	12.40
Run VMG	3.98	5.03	5.78	6.37	7.13	8.10	10.74
Gybe Angles	143.0°	146.5°	152.0°	149.0°	146.0°	143.0°	146.7°