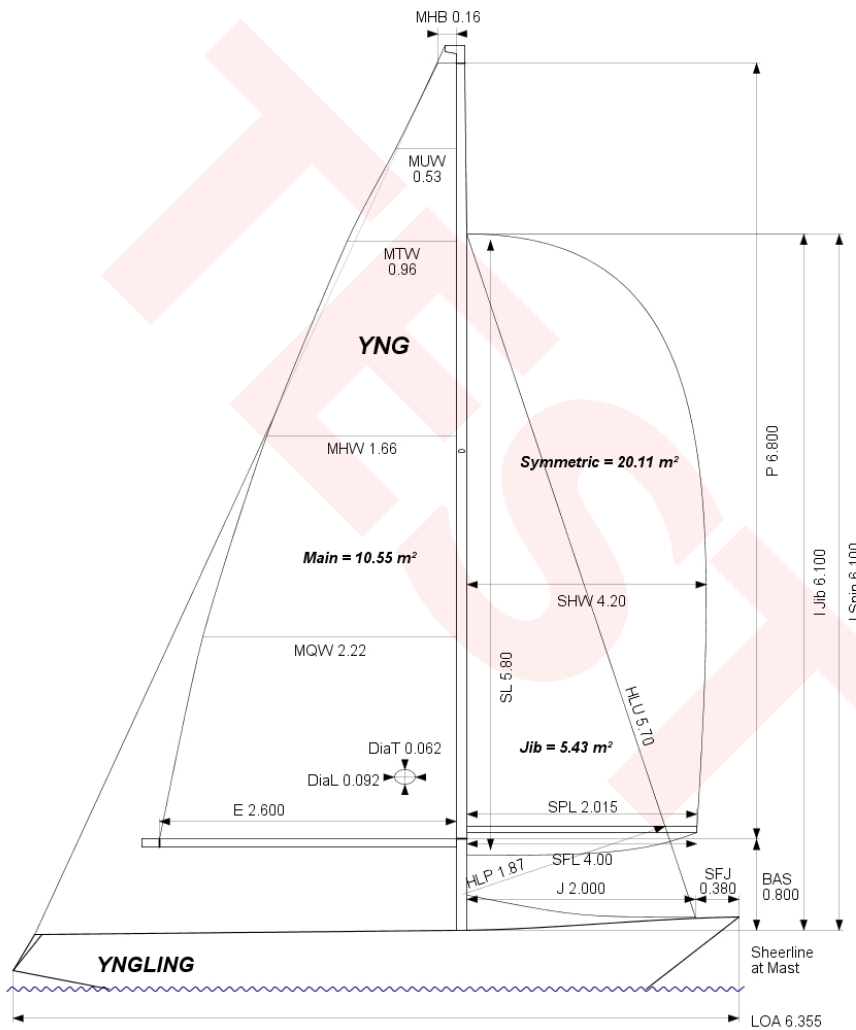




World Leader in Rating Technology

2019 (Test) ORC Club One Design Certificate



Rating Office

Certificate

Number **YNG00**
 Issued On **15/01/2019**
 ORC Ref **N/A**
 VPP Ver. **2019 1.01**

Invalid for Racing

Crew Weight

Default 232kg
 Maximum **220kg**
 Minimum* **135kg**
*when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	848.1	0.7075
Non Spin OSN	816.3	0.7350

Sails Limitations

Headsails **5** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes** 20.11
 Asymmetric: **No**
 Flying H/S: **No**
 Spin. Pole: **Yes**

Class Division Length

CDL = 5.061

Stability (Estimated)

Limit Positive Stab.: **116.6°**
 Stability Index: **112.3**

Owner

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

BOAT	GPH	HULL
Name YNGLING Sail Nr YNG-	809.2	Data File Yngling LOA 6.355m Offset File YNGLING.OD MB 1.714m Displacement 644kg Draft 1.054m
CLASS Class YNGLING Designer LINGE Builder Series 10/1967 Age Date 10/1967 Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.246% Fwd Accom. No Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex 0.50 Carbon Rudder No Light Stanchions No
COMMENTS BASED ON CLASS RULES		IMSL 5.132m VCGD -0.200m Sink 4.84kg/mm RL 4.988m VCGM -0.208m WS 6.93m² LSMO 4.670m Displacement/Length ratio 6.3232
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time on Distance	783.7			869.2		
Time on Time	0.7656			0.7765		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	932.4	716.4	629.4	1205.4	873.7	756.1
Time on Time	0.7239	0.9422	1.0725	0.5600	0.7726	0.8927



World Leader in Rating Technology

2019 (Test)

ORC Club Certificate Appendix

BOAT	
Name	YINGLING
Certificate Number	YNG00
Sail Nr	YNG-
Issued On	15/01/2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1415.2	1171.8	1033.4	945.4	903.2	895.1	903.5
52°	926.6	773.1	704.5	673.1	653.1	644.2	642.2
60°	876.5	739.5	685.4	657.5	635.0	620.5	614.2
75°	838.5	711.9	664.0	640.0	614.4	590.9	569.4
90°	790.1	680.0	635.3	602.1	585.0	575.5	534.8
110°	789.2	679.1	631.9	588.8	552.0	521.6	478.2
120°	820.1	691.9	642.2	598.7	559.4	521.8	433.2
135°	933.1	753.5	668.6	627.1	586.7	550.0	464.6
150°	1081.1	855.8	723.3	661.5	623.4	586.1	517.9
Run VMG	1248.3	986.1	828.7	719.0	665.2	628.5	560.1

Selected Courses							
Windward / Leeward	1331.8	1078.9	931.1	832.2	784.2	761.8	731.8
Circular Random	1119.0	902.4	785.2	716.0	672.3	642.7	602.4
Coastal / Long Distance	1323.4	1011.5	842.3	739.4	684.6	644.6	567.0
Non Spinnaker	1186.5	950.3	821.8	746.0	698.8	668.0	629.1

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	43.1°	42.5°	41.6°	38.8°	37.3°	37.2°	38.3°
Beat VMG	2.54	3.07	3.48	3.81	3.99	4.02	3.98
52°	3.88	4.66	5.11	5.35	5.51	5.59	5.61
60°	4.11	4.87	5.25	5.48	5.67	5.80	5.86
75°	4.29	5.06	5.42	5.63	5.86	6.09	6.32
90°	4.56	5.29	5.67	5.98	6.15	6.26	6.73
110°	4.56	5.30	5.70	6.11	6.52	6.90	7.53
120°	4.39	5.20	5.61	6.01	6.44	6.90	8.31
135°	3.86	4.78	5.38	5.74	6.14	6.55	7.75
150°	3.33	4.21	4.98	5.44	5.78	6.14	6.95
Run VMG	2.88	3.65	4.34	5.01	5.41	5.73	6.43
Gybe Angles	149.4°	153.2°	156.4°	180.0°	180.0°	180.0°	180.0°