

BOAT Name RIKKI Sail Nr NZL 8008	GPH 496.9	HULL Length Overall 12.970m Maximum Beam 4.346m Displacement 5,268kg Draft 2.871m Plan Review IMS Reg. Division Performance Dynamic Allowance 0.000% Hull Construction Cored Carbon Rudder Yes Crew Arm Extension
GENERAL Class REICHEL PUGH Designer REICHEL PUGH Builder DAVIE NORRIS Series 01/2011 Age 01/2011 Age Allowance 0.292% Offset File 216orc12.OFF - 11/10/2012 03:38:24 Measurement by - 19/09/2019		IMSLS 12.246m VCGD -0.642m Sink 23.28kg/mm RL 12.189m VCGM -0.614m WS 30.44m² LSM0 11.803m Displacement/Length ratio 3.2038



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	485.6			551.5		
Time on Time	1.2355			1.2239		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	560.7	444.9	387.8	729.1	557.5	481.6
Time on Time	1.2039	1.5171	1.7407	0.9258	1.2108	1.4016

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	829.3	682.7	626.1	604.8	595.6	582.7	579.4
52°	541.0	460.0	435.7	426.1	420.9	416.1	406.4
60°	508.1	444.8	421.6	408.9	401.2	396.6	382.5
75°	481.4	434.2	405.3	382.0	369.6	362.2	351.0
90°	463.3	419.2	392.9	372.3	348.5	333.1	317.8
110°	470.8	419.9	380.1	348.0	327.3	310.5	286.1
120°	492.3	429.7	389.4	351.7	318.6	294.4	263.3
135°	567.8	453.7	411.8	371.7	332.0	297.4	251.1
150°	679.7	536.6	459.5	413.9	382.3	345.2	274.0
Run VMG	784.9	619.6	530.6	480.1	441.4	398.6	316.3

Certificate

Number **US6364**
ORC Ref **0341000P8W**
Issued On **28/08/2020**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 872kg
Maximum **872kg**
Minimum* **654kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD	ToT
Non Spin GPH 537.9	1.1154
Non Spin OSN 526.5	1.1395

Selected Courses							
Windward / Leeward	807.1	651.2	578.4	542.4	518.5	490.7	447.9
Circular Random	677.2	550.8	483.3	443.0	416.1	396.0	365.7
Coastal / Long Distance	804.9	612.5	521.6	466.9	430.9	396.4	342.0
Non Spinnaker	747.4	601.4	522.1	474.3	442.8	420.4	389.2

Sails Limitations

Headsails	Spinnakers
7	5

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°	41.6°	39.0°	38.6°	38.3°	37.5°	37.9°
Beat VMG	4.34	5.27	5.75	5.95	6.04	6.18	6.21
52°	6.65	7.83	8.26	8.45	8.55	8.65	8.86
60°	7.09	8.09	8.54	8.80	8.97	9.08	9.41
75°	7.48	8.29	8.88	9.43	9.74	9.94	10.26
90°	7.77	8.59	9.16	9.67	10.33	10.81	11.33
110°	7.65	8.57	9.47	10.35	11.00	11.59	12.58
120°	7.31	8.38	9.25	10.23	11.30	12.23	13.67
135°	6.34	7.93	8.74	9.69	10.84	12.10	14.34
150°	5.30	6.71	7.83	8.70	9.42	10.43	13.14
Run VMG	4.59	5.81	6.79	7.50	8.16	9.03	11.38
Gybe Angles	142.0°	141.5°	149.0°	152.5°	149.0°	145.8°	143.8°

Class Division Length

CDL = **12.213**

Storm Sails Areas

Heavy Weather Jib **39.91**
Storm Jib (JL=11.18) **14.78**
Storm Trysail **18.53**

Owner

BOAT	
Name RIKKI	Sail Nr NZL 8008
File US6346	Data in meters/kilograms

RIG	
Forestay Tension Fixed	Spreaders 2
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast Yes	Jib Furler No
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	

P 17.350	E 6.100	MDT1 0.135	MW 0.250
IG 17.160	J 5.200	MDL1 0.280	GO 0.260
ISP 19.133	SFJ 0.280	MDT2 0.075	BD 0.280
BAS 1.725	SPL 0.000	MDL2 0.160	MWT 208.00
FSD 0.030	TPS 7.010	TL 2.900	MCG 6.008

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 19/09/2019		SG 1.0190	
FFM 1.448	FF 1.457	SFFP 0.835	
FAM 0.986	FA 0.984	SAFP 12.001	
W1 122.5	PD1 590.0	WD 12.450	
W2 122.5	PD2 590.0	GSA 1.0	
W3 122.5	PD3 590.0	RSA 1.0	
W4 122.5	PD4 590.0	PLM 9000.0	
LCF from stem on CL / on sheer		7.133 / 7.431	
Maximum beam station from stem		9.038	
RM Measured		203.6kg-m	
RM Default		188.7kg-m	
Limit of positive stability / Stab.Index		136.8° / 133.7	
Freeboard at mast at 5.480		1.391	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

Certificate	
Number US6364	
ORC Ref 03410000P8W	
Issued On 28/08/2020	
VPP Ver. 2020 1.02	
Valid until 31/12/2020	

COMMENTS	

MOVABLE BALLAST	
N/A	



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CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1.20	1.90	2.70	4.00	5.05	66.77	68.35	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area	Formula		
	21.18	18.93	20.05	11.71	11.78	195.94	AS · (SFL + 4·SHW) / 6		

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Flying	Meas.Date	Material	Comment
0.13	0.76	1.42	2.70	3.98	5.22	16.71	44.85	Y	No			2

MEASUREMENT INVENTORY				
Measurer	Date	Comment	Internal Ballast total = 0.0	
Id	Item	Weight	Distance	VCG Description
a	Anchor	0.0	0.00	
Id	Item	Weight Description		

MEASUREMENT INVENTORY									
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
	Tank					0.00	0.00	25.0	
Id	Item	Weight	Distance	VCG Description					

