



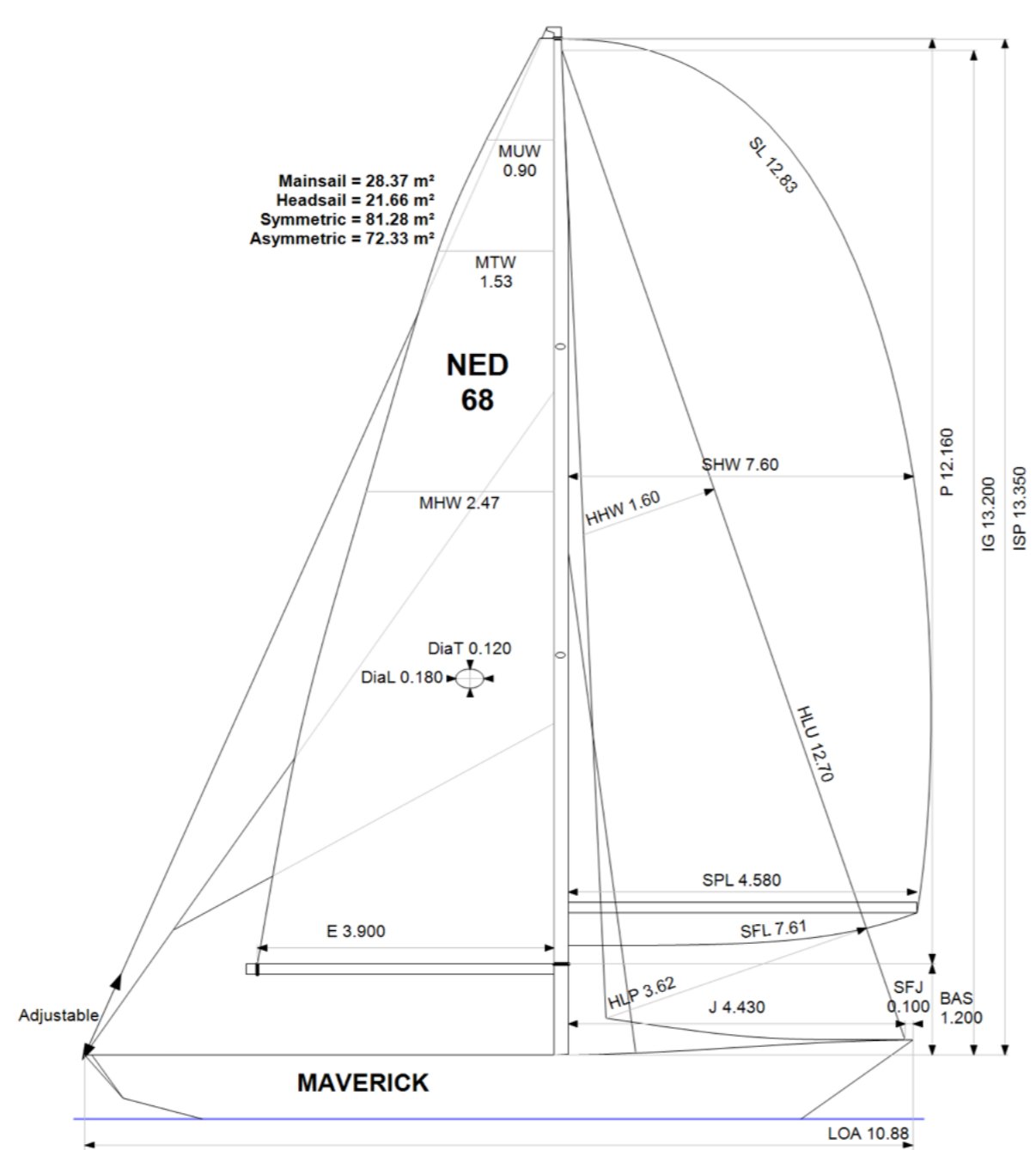
Club Certificate 2021

Boat **Maverick** NED 68

Watersportverbond

www.watersportverbond.nl  
wedstrijden@watersportverbond.nl

GPH = **735.4** CDL = **7.007**



**BOAT**  
Class **Rustler 36**  
Designer **Kim Holman**  
Builder **Rustler Yachts**  
Age Date **01/1983**  
Series Date **01/1980**  
Offset File **clust36.off**

**HULL**  
Length Overall **10.875 m**  
Maximum Beam **3.350 m**  
Draft **1.673 m**  
Displacement **7.620 kg**  
DLR **12.3512**  
IMS Division **Cruiser/Racer**  
Dynamic Allowance **0.715%**  
Age Allowance **0.487%**

**PROPELLER**  
Installation **In Aperture**  
Type **Folding 2 blades**  
Diameter **0.350m**

**CREW**  
Maximum weight **547 kg**  
Minimum weight **410 kg** \* when applied  
Non Manual Power  
Crew Arm Extension

**SAIL AREAS (m²)**

	Measured	Rated
Mainsail	28.52	29.03
Headsail Luffed	21.65	24.98
Headsail Flying		
Symmetric	81.28	81.28
Asymmetric	72.33	73.44

\* 1 asymmetric(s) with SHWS/SFL < 85%

**SAIL LIMITATIONS**  
Headsails **5**  
Spinnakers **4** \* Asymmetric may be tacked on the pole

**STABILITY**  
Righting Moment **104.5 kg·m**  
Stability Index **N/A**

**OWNER**

The owner certifies that he/she understands his/her responsibilities under ORC Rule and Regulations.

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**Rated boat velocities in knots**

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	45.0°	43.1°	41.6°	42.0°	42.8°	42.8°	42.8°
Beat VMG	2.66	3.23	3.65	4.00	4.28	4.42	4.50
52°	4.14	4.92	5.51	6.05	6.40	6.58	6.69
60°	4.41	5.18	5.81	6.31	6.61	6.79	6.93
75°	4.63	5.47	6.21	6.57	6.77	6.96	7.23
90°	4.90	5.86	6.56	6.91	7.10	7.21	7.35
110°	4.89	5.90	6.61	6.98	7.25	7.51	7.89
120°	4.75	5.75	6.52	6.92	7.21	7.49	8.01
135°	4.35	5.29	6.15	6.70	7.01	7.29	7.88
150°	3.73	4.69	5.50	6.25	6.71	7.00	7.53
Run VMG	3.23	4.07	4.78	5.46	6.08	6.58	7.15
Gybe Angles	148.0°	152.0°	154.0°	156.0°	174.0°	180.0°	180.0°

**Single Number Scoring Options**

Course	Time On Distance	Time On Time
Windward / Leeward	813.5	0.7375
All purpose	650.6	0.9222

**Selected Courses**

Windward / Leeward	1233.7	998.8	869.9	780.3	716.5	680.3	651.8
All purpose	946.1	777.8	683.1	624.9	588.3	565.8	543.9

**Custom scoring options for Netherlands**

Single Number	Time On Time
Triple Number Coastal/Long Distance Low	0.6961
Triple Number Coastal/Long Distance Medium	0.9261
Triple Number Coastal/Long Distance High	1.0653
Triple Number Windward/Leeward Low	0.5375
Triple Number Windward/Leeward Medium	0.7385
Triple Number Windward/Leeward High	0.8841
Coastal/Long Distance	0.8426
Predominantly Upwind	0.8338
Predominantly Downwind	0.9251

AUT BUL CAN DEN ESP EST FIN FRA GER GRE ISR ITA JPN  
KOR LTU NED NOR POR RSA RUS SLO SUI SWE UKR USA

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**Data in meters/kilograms (Metric)**

**HULL AND APPENDAGES**

Class	<b>Rustler 36</b>	LOA	<b>10.875</b>	VCGD	<b>0.150</b>
Measurement	<b>31/07/2019</b>	Max. Beam	<b>3.350</b>	VCGM	<b>0.070</b>
Measurer		Draft	<b>1.673</b>	RM Measured (kg·m)	<b>104.5</b>
HIN		Displacement	<b>7.620</b>	RM Default (kg·m)	<b>101.4</b>
Plan review		IMS L	<b>8.517</b>	Limit of positive stability (°)	<b>N/A</b>
Hull Construction	<b>Solid</b>	LSMO	<b>8.513</b>	Stability Index	<b>N/A</b>
Carbon rudder	<b>No</b>	Acc. length	<b>10.875</b>		
Light stanchions	<b>No</b>	Wetted area	<b>28.55</b>		
Trim tab	<b>No</b>	Sink (kg/mm)	<b>18.15</b>		

**PROPELLER**

Propeller Type	<b>Folding 2 blades</b>	PRD	<b>0.350</b>	APH	
Installation	<b>In Aperture</b>	PBW		APT	
Twin screw				APB	
PIPA	<b>0.0060</b>				

**RIG**

Forestay tension	<b>Aft</b>	P	<b>12.160</b>	E	<b>3.900</b>
Inner stay	<b>Fixed</b>	IG	<b>13.200</b>	J	<b>4.430</b>
Carbon mast		ISP	<b>13.350</b>	BAS	<b>1.200</b>
Headsail furler		MDT1	<b>0.120</b>	FSD	
Mainsail furler		MDL1	<b>0.180</b>	SFJ	<b>0.100</b>
Articulated bowsprit		MDT2		SPL	<b>4.580</b>
Non-circular rigging		MDL2		TPS	
Fiber rigging		TL	<b>-2.000</b>	BD	
Runners/Checkstays	<b>2</b>	MW		MWT	
Spreaders	<b>2</b>	GO		MCG	

**FLOTATION AND STABILITY**

Inclining Test	<b>Club Estimated</b>	SFFP	<b>0.862</b>	SAFP	<b>9.734</b>
VCG					
Flotation Date	<b>31/07/2019</b>	FFM		FAM	
Measurer		FF	<b>1.025</b>	FA	<b>0.840</b>
Comment		LCFd	<b>6.078</b>	LCFah	<b>6.291</b>
		SG		HBI	<b>0.839</b>

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**MAINSAIL**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Measurement	Manufacturer	Material	Comment
1	0.90	1.53	2.47			28.52					Unknown

**HEADSAIL**

Id	HHB	HUW	HTW	HRW	HOW	HLP	HLU	BIn	Flying	Area	Measurer	Measurement	Manufacturer	Material	Comment
1	0.38	0.74	1.60	2.60	3.62	12.70		Yes	No	21.66					Dacron

**SYMMETRIC SPINNAKER**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Measurement	Manufacturer	Material	Comment
1	12.83	12.83	7.60	7.61		81.28					Unknown

**ASYMMETRIC SPINNAKER**

Id	SLU	SLE	SL	SHW	SFL	Ratio	Area	Measurer	Measurement	Manufacturer	Material	Comment
2	12.94	11.98	12.46	6.67	8.15	82%	72.34					Unknown

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