

APH: **682.9**

CDL: **6.182**

GPH: **770.0**

CertNo:

BOAT

Class **Drifter 25**
Designer **L. Hoogmoed**
Builder
Age date **01/1978**
Series date **01/1978**
Offset file **ned8970.off**
Data file

HULL

Length Overall **7.870 m**
Maximum Beam **2.728 m**
Draft **1.605 m**
Displacement **1,613 kg**
DLR **6.7809**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.360%**
Age Allowance **0.487%**

PROPELLER

Installation **No Propeller**
Type **N/A**
Diameter **N/A**

CREW

Maximum weight **348 kg**
Minimum weight **261 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	11.61	11.80
Headsail Luffed	16.28	16.28
Headsail Flying		
Symmetric	32.41	32.41
Asymmetric		

STORM SAIL AREAS (m²)

Trysail **3.38**
Storm Jib **3.33**
Heavy Weather Jib **8.97**

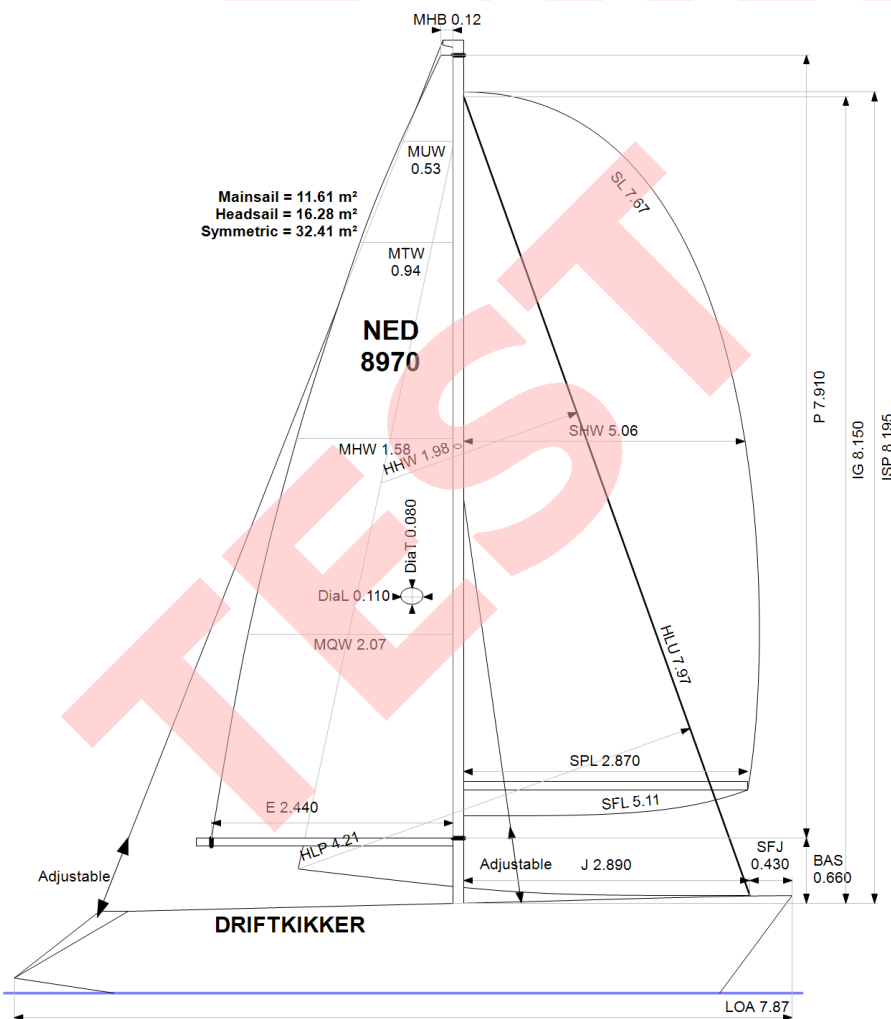
SAIL LIMITS

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

STABILITY

Righting Moment **N/A**
Stability Index **N/A**

The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.0°	41.4°	40.0°	38.4°	37.2°	37.0°	37.6°
Beat VMG	2.79	3.39	3.83	4.13	4.32	4.39	4.40
52°	4.22	5.03	5.53	5.79	5.96	6.07	6.13
60°	4.42	5.21	5.68	5.92	6.10	6.23	6.34
75°	4.53	5.32	5.78	6.05	6.25	6.43	6.67
90°	4.42	5.36	5.90	6.21	6.43	6.57	6.86
110°	4.49	5.43	5.97	6.32	6.63	6.91	7.39
120°	4.35	5.31	5.88	6.24	6.56	6.88	7.56
135°	3.86	4.84	5.59	6.02	6.34	6.66	7.36
150°	3.32	4.27	5.08	5.69	6.06	6.36	6.95
Run VMG	2.88	3.70	4.42	5.05	5.57	5.95	6.52
Gybe Angles	147.8°	151.4°	154.1°	162.2°	174.8°	179.0°	179.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1289.8	1061.7	940.6	872.2	834.0	819.6	818.9
52°	852.9	716.2	651.4	621.4	603.6	592.8	587.0
60°	815.1	690.4	634.3	607.7	590.4	577.9	568.1
75°	795.4	676.5	622.9	595.1	575.6	559.9	539.6
90°	814.6	671.2	609.9	580.0	560.2	548.1	524.7
110°	801.7	662.8	603.4	569.6	542.9	520.9	487.0
120°	827.5	678.4	611.8	577.2	549.0	523.5	476.4
135°	932.7	744.4	644.1	598.2	567.6	540.8	489.3
150°	1082.9	842.4	708.7	633.2	594.4	566.3	517.9
Run VMG	1250.5	971.8	814.9	712.2	646.1	605.1	552.3
Selected Courses							
Windward / Leeward	1270.1	1016.8	877.7	792.2	740.1	712.3	685.6
All purpose	985.8	802.6	709.0	656.9	625.0	605.0	579.1

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	831.9	0.7212
All purpose	682.9	0.8786

Custom scoring options for Netherlands

Scoring Option	Time On Time
Triple Number Coastal/Long Distance Low	0.6710
Triple Number Coastal/Long Distance Medium	0.8844
Triple Number Coastal/Long Distance High	0.9995
Triple Number Windward/Leeward Low	0.5247
Triple Number Windward/Leeward Medium	0.7260
Triple Number Windward/Leeward High	0.8460
Coastal/Long Distance	0.8087
Predominantly Upwind	0.8137
Predominantly Downwind	0.8617



Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	Drifter 25	LOA	7.870	VCGD	-0.066
Measurement	26/05/2018	Max. Beam	2.728	VCGM	-0.005
HIN		Draft	1.605	RM Rated (kg·m)	27.2
Plan review		Displacement	1,613	Limit of positive stability(°)	N/A
Hull construction	Solid	Wetted area	11.38	Stability Index	N/A
Carbon Rudder	No	IMS L	6.502		
Light stanchions	No	LSM0	6.196		
Trim tab	No	Acc. length	7.870		
		Sink (kg/mm)	8.40		

PROPELLER

Propeller Type	No Propeller
Hydro generator	No PIPA 0.0000

RIG

Forestay tension	Aft	P	7.910	E	2.440
Inner stay	Adjustable	IG	8.150	J	2.890
Carbon mast	No	ISP	8.195	BAS	0.660
Headsail furler	No	MDT1	0.080	FSD	Foil
Mainsail furler	No	MDL1	0.110	SFJ	0.430
Articulated bowsprit	No	MDT2		SPL	2.870
Non-circular rigging	No	MDL2		WPL	
Fiber rigging	No	TL	No Taper	TPS	
Runners/Checkstays	0	MW		BD	
Spreaders	1	GO		MWT	
Rotating mast	No			MCG	

FLOTATION AND STABILITY

Calculation method	RM estimated	SFFP	0.544	SAFP	6.718
Flotation Date	26/05/2018	FFM		FAM	
Measurer		FF	0.976	FA	0.825
Comment		LCFcl	4.195	LCFsh	4.407
		SG	1.0000	HBI	0.910



MAINSAIL

<i>Id</i>	<i>MHB</i>	<i>MUW</i>	<i>MTW</i>	<i>MHW</i>	<i>MQW</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
1	0.12	0.53	0.94	1.58	2.07	11.61	26/05/2018	

HEADSAIL

<i>Id</i>	<i>HHB</i>	<i>HUW</i>	<i>HTW</i>	<i>HHW</i>	<i>HQW</i>	<i>HLP</i>	<i>HLU</i>	<i>Btn</i>	<i>Flying FT</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
1	0.06	0.49	0.96	1.98	3.08	4.21	7.97	No	No	16.28	26/05/2018	

SYMMETRIC SPINNAKER

<i>Id</i>	<i>SLU</i>	<i>SLE</i>	<i>SL</i>	<i>SHW</i>	<i>SFL</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
1	7.67	7.67	7.67	5.06	5.11	32.41	26/05/2018	