

APH: **649.1**

CDL: **7.063**

GPH: **731.7**

CertNo:

BOAT

Class **Spirit 32**
Designer **J de Ridder**
Builder **van Heygen**
Age date **01/1983**
Series date **01/1980**
Offset file **H037.BOF**
Data file

HULL

Length Overall **9.530 m**
Maximum Beam **3.184 m**
Draft **1.821 m**
Displacement **4,752 kg**
DLR **9.9484**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.610%**
Age Allowance **0.487%**

PROPELLER

Installation **Shaft exposed**
Type **Feathering 2 blades**
Diameter **0.430m**

CREW

Maximum weight **484 kg**
Minimum weight **363 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	19.25	19.50
Headsail Luffed	24.24	24.24
Headsail Flying		
Symmetric	56.74	58.18
Asymmetric		

STORM SAIL AREAS (m²)

Trysail **5.58**
Storm Jib **7.20**
Heavy Weather Jib **19.44**

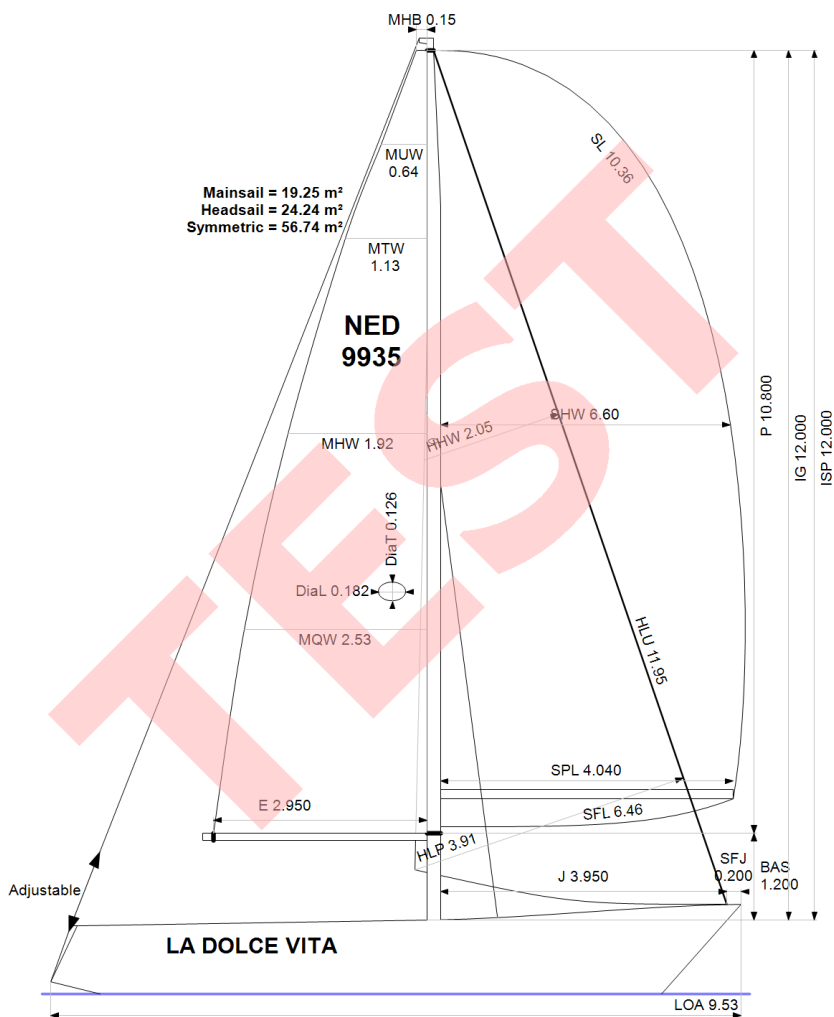
SAIL LIMITS

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	43.5°	41.4°	40.0°	39.4°	38.8°	38.8°	38.8°
Beat VMG	2.86	3.48	3.93	4.25	4.45	4.54	4.58
52°	4.34	5.17	5.74	6.08	6.29	6.41	6.49
60°	4.56	5.39	5.93	6.24	6.44	6.57	6.68
75°	4.68	5.53	6.08	6.39	6.60	6.75	6.96
90°	4.69	5.66	6.26	6.58	6.77	6.86	7.11
110°	4.79	5.80	6.39	6.73	6.99	7.21	7.53
120°	4.66	5.67	6.32	6.69	6.97	7.22	7.68
135°	4.23	5.22	6.00	6.47	6.79	7.07	7.61
150°	3.62	4.62	5.44	6.09	6.50	6.79	7.31
Run VMG	3.13	4.00	4.74	5.38	5.94	6.36	6.92
Gybe Angles	146.9°	151.1°	154.1°	159.2°	173.0°	178.4°	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	1260.5	1034.0	916.9	847.2	809.3	792.9	785.9
52°	828.7	696.2	627.5	591.7	572.5	561.8	554.9
60°	790.1	668.1	607.1	576.6	559.0	548.1	538.9
75°	770.0	651.2	591.9	563.3	545.8	533.2	517.0
90°	768.2	635.6	574.7	547.2	532.1	524.5	506.5
110°	750.9	620.2	563.1	535.0	515.0	499.2	478.0
120°	772.9	635.1	569.5	538.1	516.8	498.6	468.7
135°	851.6	690.2	600.3	556.5	530.5	509.5	473.1
150°	995.2	779.3	661.3	590.9	553.9	530.1	492.7
Run VMG	1149.2	899.4	760.2	669.2	606.3	565.6	520.0
Selected Courses							
Windward / Leeward	1204.8	966.7	838.5	758.2	707.8	679.3	653.0
All purpose	935.0	762.9	673.9	623.7	594.1	576.4	555.3

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	794.2	0.7555
All purpose	649.1	0.9243

Custom scoring options for Netherlands

Scoring Option	Time On Time
Triple Number Coastal/Long Distance Low	0.7068
Triple Number Coastal/Long Distance Medium	0.9308
Triple Number Coastal/Long Distance High	1.0473
Triple Number Windward/Leeward Low	0.5526
Triple Number Windward/Leeward Medium	0.7597
Triple Number Windward/Leeward High	0.8869
Coastal/Long Distance	0.8504
Predominantly Upwind	0.8501
Predominantly Downwind	0.9152

Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	Spirit 32	LOA	9.530	VCGD	-0.077
Measurement	31/08/2021	Max. Beam	3.184	VCGM	-0.032
HIN		Draft	1.821	RM Rated (kg·m)	67.0
Plan review		Displacement	4,752	Limit of positive stability(°)	N/A
Hull construction	Solid	Wetted area	19.89	Stability Index	N/A
Carbon Rudder	No	IMS L	7.913		
Light stanchions	No	LSM0	7.816		
Trim tab	No	Acc. length	9.530		
		Sink (kg/mm)	13.60		

PROPELLER

Propeller Type	Feathering 2 blades					
Installation	Shaft exposed	PRD	0.430	PSD	PSA	ST1 ST4
Twin screw	No	PBW		PHD	ESL	ST2 ST5
Hydro generator	No	PIPA	0.0024	PHL		ST3

RIG

Forestay tension	Aft	P	10.800	E	2.950
Inner stay	Fixed	IG	12.000	J	3.950
Carbon mast	No	ISP	12.000	BAS	1.200
Headsail furler	Yes	MDT1	0.126	FSD	Foil
Mainsail furler	No	MDL1	0.182	SFJ	0.200
Articulated bowsprit	No	MDT2		SPL	4.040
Non-circular rigging	No	MDL2		WPL	
Fiber rigging	No	TL	Taper	TPS	
Runners/Checkstays	0	MW		BD	
Spreaders	1	GO		MWT	
Rotating mast	No			MCG	

FLOTATION AND STABILITY

Calculation method	RM estimated	SFFP	0.408	SAFP	9.167
Flotation Date	31/08/2021	FFM	1.214	FAM	0.942
Measurer	65	FF	1.219	FA	0.940
Comment		LCFcl	5.342	LCFsh	5.582
		SG	0.0000	HBI	1.018

INVENTORY

OTHER ITEMS	Id	Kind	Description	Weight	LCG	VCG
	SaS		Deductible Sailor Services	47	3.32	1.06
			<i>Total deductible</i>	17	3.32	1.06



Club
Certificate
2023

Boat
La Dolce Vita
NED 9935

ORC
Sailor
Services



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>
ORC	0.15	0.64	1.13	1.92	2.53	19.25	07/10/2022	

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>
ORC	0.09	0.58	1.09	2.05	3.01	3.91	11.95	Yes	No	24.24	03/10/2022	

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>
2022	10.36	10.36	10.36	6.60	6.46	56.74		