

APH: **728.7** CDL: **5.490**

GPH: **822.4** CertNo:

BOAT

Class **Folmer F&B**
Designer **Folmer**
Builder **Jachtbouw Folmer**
Age date **02/1996**
Series date **02/1996**
Offset file **Folmer.off**
Data file

HULL

Length Overall **8.200 m**
Maximum Beam **2.944 m**
Draft **1.351 m**
Displacement **4,287 kg**
DLR **13.1622**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.744%**
Age Allowance **0.487%**

PROPELLER

Installation **Strut**
Type **Folding 2 blades**
Diameter **0.320m**

CREW

Maximum weight **404 kg**
Minimum weight **303 kg * when applied**
Non Manual Power
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	18.00	18.22
Headsail Luffed	16.76	16.76
Headsail Flying		
Symmetric	48.19	48.19
Asymmetric		

STORM SAIL AREAS (m²)

Trysail **5.58**
Storm Jib **4.50**
Heavy Weather Jib **12.14**

SAIL LIMITS

Headsails **1**
Spinnakers **4**

STABILITY

Righting Moment **55.0 kg·m**
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	46.9°	45.0°	45.4°	45.4°	45.3°	44.4°	44.4°
Beat VMG	2.33	2.82	3.16	3.44	3.69	3.87	3.94
52°	3.70	4.40	4.93	5.36	5.67	5.85	5.97
60°	3.98	4.68	5.26	5.66	5.90	6.05	6.21
75°	4.17	4.89	5.52	5.88	6.09	6.24	6.47
90°	4.42	5.32	5.92	6.20	6.39	6.49	6.63
110°	4.51	5.44	6.00	6.29	6.54	6.78	7.14
120°	4.39	5.30	5.93	6.24	6.49	6.75	7.22
135°	3.93	4.82	5.63	6.06	6.33	6.58	7.10
150°	3.42	4.30	5.07	5.73	6.09	6.34	6.83
Run VMG	2.96	3.74	4.42	5.08	5.63	6.01	6.49
Gybe Angles	148.7°	154.1°	155.6°	160.4°	174.5°	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	1542.9	1276.4	1140.7	1047.4	975.7	929.3	913.5
52°	973.5	817.9	730.9	671.3	635.5	615.1	602.7
60°	904.0	769.1	684.8	636.0	610.3	594.7	580.0
75°	862.8	735.7	651.8	612.4	591.6	577.3	556.1
90°	814.3	676.4	608.6	580.6	563.7	554.8	543.3
110°	798.7	662.3	600.1	572.2	550.6	530.9	504.2
120°	820.7	679.5	607.6	577.2	554.8	533.4	498.4
135°	915.2	746.9	639.6	594.2	569.0	547.2	507.3
150°	1051.9	837.0	709.4	627.8	590.7	567.7	527.2
Run VMG	1214.6	961.7	815.3	708.7	639.1	598.9	555.0
Selected Courses							
Windward / Leeward	1378.7	1119.0	978.0	878.0	807.4	764.1	734.3
All purpose	1052.7	865.8	763.2	701.5	661.4	635.4	610.7

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	914.4	0.6561
All purpose	728.7	0.8234

Custom scoring options for Netherlands

Single Number	Time On Time
Triple Number Coastal/Long Distance Low	0.6255
Triple Number Coastal/Long Distance Medium	0.8267
Triple Number Coastal/Long Distance High	0.9484
Triple Number Windward/Leeward Low	0.4804
Triple Number Windward/Leeward Medium	0.6566
Triple Number Windward/Leeward High	0.7856
Coastal/Long Distance	0.7518
Predominantly Upwind	0.7385
Predominantly Downwind	0.8373

Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	Folmer F&B	LOA	8.200	VCGD	0.079
Measurement	14/04/2021	Max. Beam	2.944	VCGM	0.039
HIN		Draft	1.351	RM Measured (kg·m)	55.0
Plan review		Displacement	4,287	RM Default (kg·m)	55.0
Hull construction	Cored	Wetted area	17.16	Limit of positive stability(°)	N/A
Aramid Hull Core	No	IMS L	6.915	Stability Index	N/A
Carbon Rudder	No	LSM0	6.880		
Light stanchions	No	Acc. length	8.200		
Trim tab	No	Sink (kg/mm)	12.04		

PROPELLER

Propeller Type	Folding 2 blades			
Installation	Strut	PRD	0.320	EDL ST3
Twin screw	No	PBW		ST1 ST4
Hydro generator	No	PIPA	0.0004	ST2 ST5

RIG

Forestay tension	Aft	P	9.800	E	3.250
Inner stay	None Fitted	IG	9.480	J	3.450
Carbon mast	No	ISP	9.580	BAS	1.180
Headsail furler	Yes	MDT1	0.130	FSD	Foil
Mainsail furler	No	MDL1	0.150	SFJ	0.180
Articulated bowsprit	No	MDT2		SPL	3.250
Non-circular rigging	No	MDL2		WPL	
Fiber rigging	No	TL	No Taper	TPS	
Runners/Checkstays	0	MW		BD	
Spreaders	2	GO		MWT	
				MCG	

FLOTATION AND STABILITY

Calculation method	VCG estimated	SFFP	1.179	SAFP	7.863
Flotation Date	14/04/2021	FFM		FAM	
Measurer		FF	1.089	FA	0.927
Comment		LCFcl	4.540	LCFsh	4.778
		SG	1.0000	HBI	0.986

INVENTORY

OTHER ITEMS	Id	Kind	Description	Weight	LCG	VCG
	SaS	Deductible	Sailor Services	42	5.64	0.00
			<i>Total deductible</i>	42	5.64	0.00

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>Maker</i>	<i>Material</i>	<i>Comment</i>
01	0.13	0.60	1.09	1.93	2.64	18.00		Hagoort	Dacron	

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</i>	<i>FT</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Maker</i>	<i>Material</i>	<i>Comment</i>
01	0.04	0.47	0.90	1.84	2.86	3.83	8.88	No	No		16.76			Dacron	

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>Maker</i>	<i>Material</i>	<i>Comment</i>
01	10.40	10.40	10.40	5.62	5.32	48.19		Hagoort	Nylon	