

APH: **587.6** CDL: **8.837**

GPH: **666.6** CertNo:

BOAT

Class **OCEANIS 37**
Designer **FINOT**
Builder **BENETEAU**
Age date **01/2011**
Series date **01/2006**
Offset file **OCEANIS37DV.off**
Data file

HULL

Length Overall **11.130 m**
Maximum Beam **3.910 m**
Draft **1.897 m**
Displacement **6,531 kg**
DLR **5.5040**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.395%**
Age Allowance **0.487%**

PROPELLER

Installation **Shaft non exposed**
Type **Feathering 2 blades**
Diameter **0.360m**

CREW

Maximum weight **747 kg**
Minimum weight **560 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	26.67	26.91
Headsail Luffed	33.81	33.81
Headsail Flying		
Symmetric	79.26	79.26
Asymmetric	87.19	87.19

(All asymmetric spinnakers with SHW/SFL > 85%)

STORM SAIL AREAS (m²)

Trysail **9.05**
Storm Jib **9.32**
Heavy Weather Jib **25.16**

SAIL LIMITS

Headsails **5**
Spinnakers **4** * Asymmetric SHALL NOT be tacked on the pole

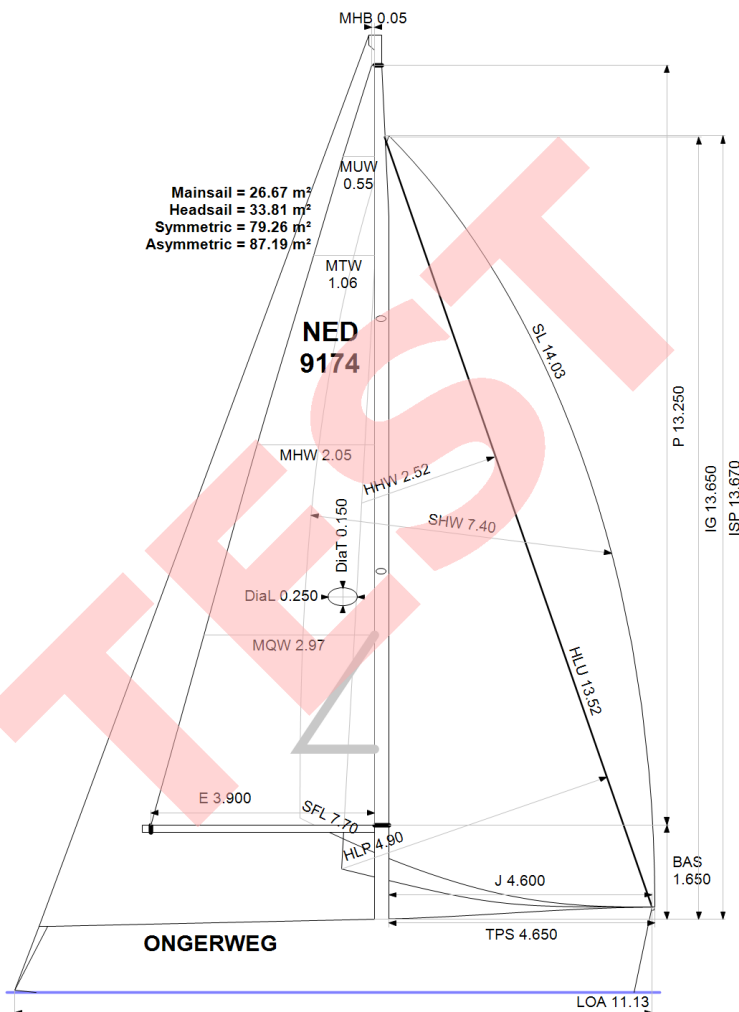
STABILITY

Righting Moment **156.7 kg·m**
Stability Index **N/A**

COMMENTS

Heeft boegschroef

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	46.0°	44.2°	43.0°	42.3°	41.2°	40.2°	40.3°
Beat VMG	2.92	3.60	4.12	4.54	4.90	5.11	5.15
52°	4.58	5.55	6.26	6.81	7.15	7.34	7.45
60°	4.90	5.87	6.60	7.07	7.35	7.54	7.69
75°	5.12	6.10	6.85	7.26	7.52	7.73	8.08
90°	5.24	6.36	7.16	7.58	7.86	8.03	8.26
110°	5.31	6.49	7.27	7.68	8.06	8.46	9.14
120°	5.15	6.29	7.15	7.61	7.99	8.41	9.32
135°	4.65	5.77	6.72	7.34	7.72	8.09	8.95
150°	3.95	5.02	5.91	6.69	7.26	7.63	8.33
Run VMG	3.42	4.35	5.12	5.83	6.48	7.04	7.76
Gybe Angles	145.1°	147.1°	147.1°	154.7°	161.8°	174.8°	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	1232.5	999.7	874.7	792.1	734.4	705.1	698.6
52°	786.4	649.2	575.3	529.0	503.6	490.2	483.4
60°	735.3	613.3	545.5	509.3	489.8	477.6	467.8
75°	702.7	590.4	525.8	495.6	478.4	465.5	445.7
90°	687.5	565.7	502.6	474.7	457.8	448.5	435.9
110°	677.6	554.8	495.3	468.5	446.9	425.4	393.7
120°	699.3	572.0	503.3	473.1	450.8	428.1	386.1
135°	775.0	623.7	535.7	490.8	466.6	445.2	402.3
150°	911.8	716.6	609.4	538.5	495.6	471.8	432.3
Run VMG	1052.8	827.5	703.7	617.9	555.8	511.7	464.1
Selected Courses							
Windward / Leeward	1142.7	913.6	789.2	705.0	645.1	608.4	581.4
All purpose	872.9	707.4	617.6	564.1	528.6	506.3	483.0

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	736.8	0.8144
All purpose	587.6	1.0211

Custom scoring options for Netherlands

Single Number	Time On Time	
Triple Number Coastal/Long Distance Low	0.7594	0,7465 *
Triple Number Coastal/Long Distance Medium	1.0257	1,0083 *
Triple Number Coastal/Long Distance High	1.1925	1,1722 *
Triple Number Windward/Leeward Low	0.5836	0,5737 *
Triple Number Windward/Leeward Medium	0.8158	0,8019 *
Triple Number Windward/Leeward High	0.9878	0,9710 *
Coastal/Long Distance	0.9312	
Predominantly Upwind	0.9309	
Predominantly Downwind	1.0114	

*-1,7% correctie op ToT factoren voor boegschroef tunnel. Op basis van correctiefactor van 1,5 sw punt volgens sailsupport.

Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	OCEANIS 37	LOA	11.130	VCGD	0.254
Measurement	14/04/2021	Max. Beam	3.910	VCGM	0.262
HIN		Draft	1.897	RM Measured (kg·m)	156.7
Plan review		Displacement	6,531	RM Default (kg·m)	156.7
Hull construction	Cored	Wetted area	28.87	Limit of positive stability(°)	N/A
Aramid Hull Core	No	IMS L	10.566	Stability Index	N/A
Carbon Rudder	No	LSM0	10.586		
Light stanchions	No	Acc. length	11.130		
Trim tab	No	Sink (kg/mm)	22.31		

PROPELLER

Propeller Type	Feathering 2 blades				
Installation	Shaft non exposed	PRD	0.360	PSD	PSA
Twin screw	No	PBW		PHD	ESL
Hydro generator	No	PIPA	0.0005	PHL	

RIG

Forestay tension	Fixed	P	13.250	E	3.900
Inner stay	None Fitted	IG	13.650	J	4.600
Carbon mast	No	ISP	13.670	BAS	1.650
Headsail furler	No	MDT1	0.150	FSD	Foil
Mainsail furler	Yes	MDL1	0.250	SFJ	
Articulated bowsprit	No	MDT2		SPL	4.600
Non-circular rigging	No	MDL2		WPL	
Fiber rigging	No	TL	Taper	TPS	4.650
Runners/Checkstays	0	MW		BD	
Spreaders	2	GO		MWT	
				MCG	

FLOTATION AND STABILITY

Calculation method	VCG estimated	SFFP	0.512	SAFP	10.556
Flotation Date	14/04/2021	FFM		FAM	
Measurer		FF	1.475	FA	1.075
Comment		LCFcl	6.282	LCFsh	6.571
		SG	1.0000	HBI	1.273

INVENTORY

OTHER ITEMS	<i>Id</i>	<i>Kind</i>	<i>Description</i>	<i>Weight</i>	<i>LCG</i>	<i>VCG</i>
	SaS	Deductible	Sailor Services	144	9.31	0.00
			<i>Total deductible</i>	141	9.31	0.00

MAINSAIL

<i>Id</i>	<i>MHB</i>	<i>MUW</i>	<i>MTW</i>	<i>MHW</i>	<i>MQW</i>	<i>Area Meas.Date</i>	<i>Maker</i>	<i>Material</i>	<i>Comment</i>
1	0.05	0.55	1.06	2.05	2.97	26.67	Hagoort	Polyester	

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 Meas.Date</i>	<i>Maker</i>	<i>Material</i>	<i>Comment</i>
1	0.08	0.67	1.28	2.52	3.74	4.90	13.52	Yes	No		33.81	Hagoort	Polyester	

SYMMETRIC SPINNAKER

<i>Id</i>	<i>SLU</i>	<i>SLE</i>	<i>SL</i>	<i>SHW</i>	<i>SFL</i>	<i>Area Meas.Date</i>	<i>Maker</i>	<i>Material</i>	<i>Comment</i>
1	14.00	14.00	14.00	6.86	6.53	79.26	Hagoort	Nylon	

ASYMMETRIC SPINNAKER

<i>Id</i>	<i>SLU</i>	<i>SLE</i>	<i>SL</i>	<i>SHW</i>	<i>SFL</i>	<i>Ratio</i>	<i>Area Meas.Date</i>	<i>Maker</i>	<i>Material</i>	<i>Comment</i>
1	14.47	13.58	14.03	7.40	7.70	96%	87.19	Hagoort	Nylon	