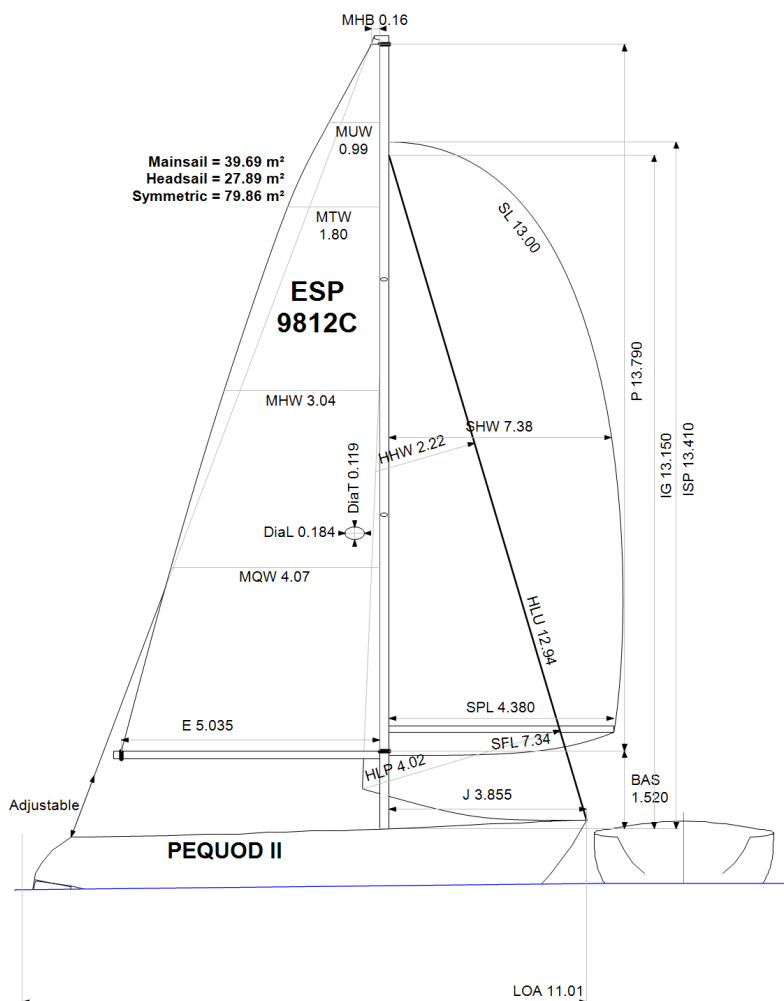


APH ToD: **579.4** CDL: **8.536**

APH ToT: **1.0355** CertNo: **981201**



BOAT

Class **DEHLER 36 CWS (DK)**
Designer **V. DE STADT**
Builder **DEHLER**
Age date **01/1990**
Series date **01/1989**
Offset file **G1130.BOF**
Data file **E9812_C**

HULL

Length Overall **11.010**
Maximum Beam **3.506**
Draft **1.816**
Displacement **5.400**
DLR **7.9344**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.200%**
Age Allowance **0.650%**
RS Assessment **-0.127%**

PROPELLER

Installation **Shaft exposed**
Type **Folding 2 blades**
Diameter **0.400m**

CREW

Maximum weight **500** (declared)
Minimum weight **370** * when applied
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	39.69	40.37
Headsail Luffed	27.89	27.89
Headsail Flying		
Symmetric	79.86	79.86
Asymmetric		

STORM SAIL AREAS Maximum (m²)

Trysail **12.16**
Storm Jib **8.65**
Heavy Weather Jib **23.35**

SAIL LIMITS

Headsails **5** * Woven polyester sails
Spinnakers **4**

STABILITY

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

COMMENTS

ESCORA CADUCADA.

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	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat Angles	47.1°	44.5°	42.6°	40.9°	39.6°	39.0°	38.7°	38.9°	40.0°
Beat VMG	2.22	3.19	3.90	4.43	4.78	4.98	5.08	5.14	5.09
52°	3.52	4.93	5.87	6.47	6.84	7.04	7.15	7.22	7.24
60°	3.83	5.23	6.14	6.67	7.01	7.22	7.35	7.47	7.49
75°	4.05	5.44	6.33	6.81	7.14	7.40	7.60	7.86	8.02
90°	3.95	5.42	6.44	7.02	7.36	7.58	7.71	8.21	8.59
110°	3.92	5.47	6.52	7.07	7.48	7.88	8.26	8.83	9.19
120°	3.77	5.29	6.37	6.99	7.40	7.81	8.26	9.13	9.80
135°	3.28	4.74	5.85	6.65	7.16	7.55	7.99	8.96	10.13
150°	2.71	4.00	5.12	6.06	6.74	7.20	7.57	8.45	9.39
Run VMG	2.35	3.46	4.44	5.27	5.99	6.56	7.01	7.73	8.56
Gybe Angles	138.8°	145.6°	150.3°	154.1°	161.0°	167.8°	176.3°	177.4°	174.5°

Time Allowances in secs/NM										
Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt	
Beat VMG	1620.7	1128.9	922.6	813.4	753.1	722.3	708.5	699.8	707.4	
52°	1021.4	730.3	613.1	556.2	526.5	511.3	503.4	498.9	497.4	
60°	940.8	688.3	586.4	540.0	513.8	498.9	489.9	481.9	480.9	
75°	888.5	662.0	569.0	528.5	504.4	486.2	473.9	457.8	449.1	
90°	911.2	664.3	559.3	513.1	489.0	475.2	466.8	438.5	418.9	
110°	917.5	657.7	551.8	509.4	481.4	456.9	435.8	407.9	391.9	
120°	954.1	680.4	565.3	515.4	486.5	461.1	435.6	394.1	367.2	
135°	1096.6	759.7	615.2	541.1	502.9	476.9	450.8	401.6	355.4	
150°	1329.5	900.0	702.9	594.5	533.9	500.2	475.4	425.9	383.5	
Run VMG	1535.2	1039.2	811.4	683.0	601.2	548.7	513.5	465.6	420.8	
Selected Courses										
Windward / Leeward	1577.9	1084.1	867.0	748.2	677.1	635.5	611.0	582.7	564.1	
All purpose	1184.3	830.5	679.2	602.4	558.2	531.5	513.7	487.7	470.2	

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	711.0	0.8439
All purpose	579.4	1.0355

Custom scoring options for Spain

Scoring Option	Time On Distance
Coastal/Long Distance	631.0

Performance Curve	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Coastal/Long Distance	1573.7	1079.6	814.3	676.0	595.1	551.6	519.5	465.8	447.0

Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	DEHLER 36 CWS (DK)	Length overall	11.010	VCGD	-0.256	Centerboard weight	N/A
Measurement	01/08/2013	Maximum beam	3.506	VCGM	-0.236	List angle	N/A
HIN		Draft	1.816	RM Rated (kg-m)	160.0	Canting keel angle	N/A
Plan review		Displacement	5,400	Limit of positive stability(°)	N/A		
Hull construction	Solid	Wetted area	24.72	Stability Index	N/A		
Carbon rudder	No	IMS L	9.208	BLR index	N/A		
Light stanchions	No	LSM0	8.795	Default crew weight	573		
Trim tab	No	Accomod. length	10.869	Declared crew weight	500		
		Sink (kg/mm)	18.63				

PROPELLER

Propeller Type	Folding 2 blades						
Installation	Shaft exposed	PRD	0.400	PSD	0.030	PSA	21.0°
Twin screw	No	PBW		PHD	0.077	ESL	0.920
Hydro generator	No	PIPA	0.0064	PHL	0.150	ST1	0.035
						ST2	0.119
						ST3	0.119
						ST4	0.060
						ST5	0.260

RIG

Backstay	Adjustable	P	13.790	E	5.035	PY	N/A	Flying Headsail
Forestay	Fixed	IG	13.150	J	3.855	MDT1Y	N/A	Foretriangles
Inner forestay	Not installed	ISP	13.410	BAS	1.520	MDL1Y	N/A	<i>Id ISP TPS</i>
Mast material	Aluminum	MDT1	0.119	FSD	0.032	MDT2Y	N/A	
Single headsail furler	No	MDL1	0.184	SFJ		MDL2Y	N/A	
Mainsail furler	No	MDT2	0.119	SPL	4.380	TLY	N/A	
Articulated bowsprit	No	MDL2	0.184	WPL		BASY	N/A	
Non-circular rigging	No	TL		TPS		EY	N/A	
Fiber rigging	No	MW	0.184	BD	0.148	BDY	N/A	
Base of mast	Fixed	GO	0.184	MWT		IY	N/A	
Running backstays	No			MCG		EB	N/A	
Checkstays	No							
Spreaders	2							
Rotating mast	No							

FLOTATION AND STABILITY

Calculation method	RM entered directly	SFFP	N/A	SAFP	N/A
RM entered	160.0	FFM	N/A	FAM	N/A
Flotation Date	01/08/2013	FF	N/A	FA	N/A
		LCFcl	N/A	LCFsh	N/A
		SG	N/A	HBI	N/A

INVENTORY

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>
002	0.16	0.99	1.80	3.04	4.07	39.69	20/01/2025	

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>
002	0.10	0.67	1.25	2.22	3.16	4.02	12.94	No	No	27.89	20/01/2025	

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>
2	13.00	13.00	13.00	7.38	7.34	79.86	24/05/2009	

NON MANUAL POWER CONTROLS (NMP)

Sheets	No	Mainsail cunningham	No	Jib track	No	Spinnaker retriever	No
Boomvang	No	Headsail cunningham	No	Tack line	No		
Outhaul	No	Main traveller	No	Halyards	No		

CRUISER/RACER REQUIREMENTS*

Accommodation length	10.9 m	Table area	0.55 m²	Headroom	1.76 m
Minimum number of berths	5	Personal gear stowage	0.20 m³	Fresh water capacity	123 l
Minimum number of seats in cockpit	5	Food stowage	0.30 m³	Fuel capacity	68 l
Cabin sole		Stoves		Sinks	
Galley gear stowage		Toilet		Wash basin	
Navigation area		Hanging locker			

*This list is a summary of the requirements. See IMS Appendix 1 for details.