

APH: **627.7** CDL: **7.336**

GPH: **704.8** CertNo: **109431**

**BOAT**

Class **FORTUNA 9**  
Designer **J. VISIERS**  
Builder **MONOTIPO**  
Age date **04/1991**  
Series date **01/1990**  
Offset file **FORTUNA9.off**  
Data file **E10943\_C**

**HULL**

Length Overall **8.990 m**  
Maximum Beam **3.236 m**  
Draft **1.745 m**  
Displacement **3,712 kg**  
DLR **7.7850**  
IMS Division **Cruiser/Racer**  
Dynamic Allowance **0.138%**  
Age Allowance **0.487%**

**PROPELLER**

Installation **Strut**  
Type **Solid 2 blades**  
Diameter **0.300m**

**CREW**

Maximum weight **290 kg**  
Minimum weight **205 kg** \* when applied  
Non Manual Power **No**  
Crew Arm Extension

**SAIL AREAS (m<sup>2</sup>)**

	Measured	Rated
Mainsail	<b>25.75</b>	<b>26.09</b>
Headsail Luffed	<b>27.94</b>	<b>27.94</b>
Headsail Flying		
Symmetric	<b>54.02</b>	<b>54.02</b>
Asymmetric		

**STORM SAIL AREAS (m<sup>2</sup>)**

Trysail **7.85**  
Storm Jib **6.05**  
Heavy Weather Jib **16.34**

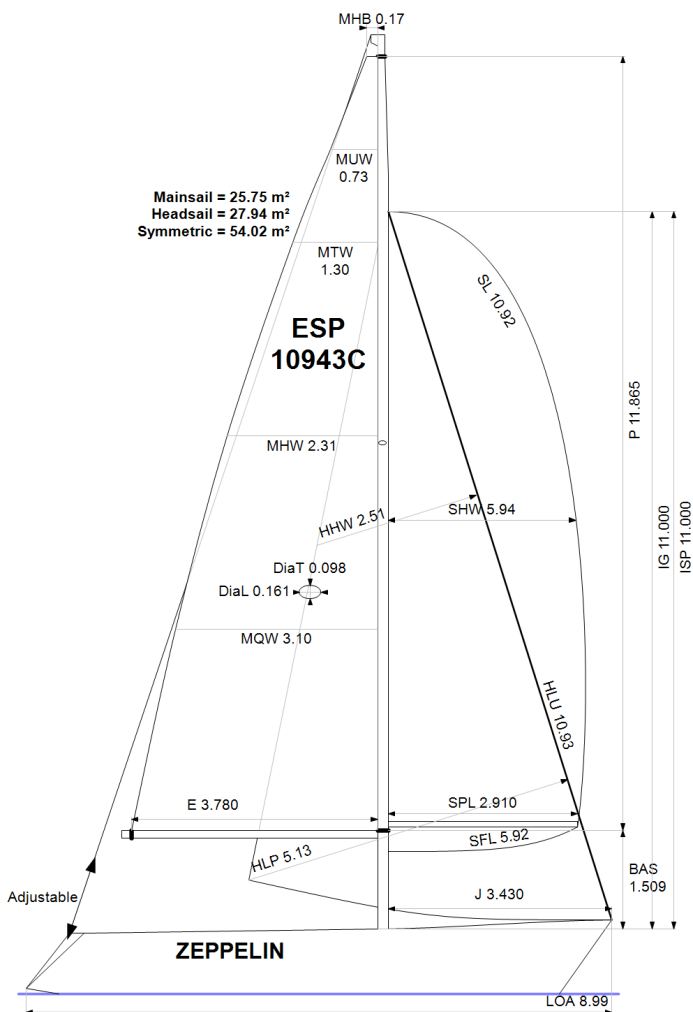
**SAIL LIMITS**

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

**STABILITY**

Righting Moment **80.0 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	43.2°	41.8°	41.2°	39.9°	39.0°	38.8°	39.9°
Beat VMG	3.07	3.69	4.16	4.45	4.56	4.60	4.54
52°	4.68	5.53	6.10	6.35	6.46	6.50	6.51
60°	4.93	5.79	6.27	6.50	6.63	6.69	6.72
75°	5.13	5.97	6.39	6.63	6.82	6.97	7.12
90°	5.07	5.96	6.48	6.76	6.91	7.14	7.50
110°	4.99	6.02	6.54	6.87	7.21	7.53	7.85
120°	4.82	5.86	6.45	6.79	7.13	7.49	8.14
135°	4.33	5.32	6.13	6.56	6.89	7.25	7.99
150°	3.68	4.67	5.53	6.21	6.59	6.90	7.59
Run VMG	3.18	4.05	4.81	5.51	6.10	6.50	7.11
Gybe Angles	146.9°	152.0°	153.8°	160.4°	175.4°	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	1174.3	975.9	864.7	808.2	789.6	782.7	793.6
52°	770.0	651.0	590.5	567.0	557.7	553.7	553.0
60°	730.4	621.7	574.5	554.1	543.3	538.3	535.7
75°	702.3	602.7	563.3	542.7	527.8	516.2	505.6
90°	709.9	604.0	555.3	532.3	521.0	504.5	480.2
110°	721.0	598.3	550.9	524.0	499.5	478.4	458.5
120°	747.1	614.2	557.8	529.9	504.7	480.4	442.5
135°	831.8	677.1	586.8	548.5	522.6	496.9	450.8
150°	979.2	770.7	650.5	579.4	545.9	521.6	474.4
Run VMG	1130.7	888.7	748.5	653.2	590.2	553.6	506.6
Selected Courses							
Windward / Leeward	1152.5	932.3	806.6	730.7	689.9	668.2	650.1
All purpose	887.3	730.5	648.1	603.6	579.8	563.4	544.5

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	768.7	0.7806
All purpose	627.7	0.9559

### Custom scoring options for Spain

Single Number	Time On Distance
Coastal/Long Distance	683.1
Triple Number Coastal/Long Distance Low	809.0
Triple Number Coastal/Long Distance Medium	623.1
Triple Number Coastal/Long Distance High	560.4
Triple Number Windward/Leeward Low	1042.4
Triple Number Windward/Leeward Medium	762.6
Triple Number Windward/Leeward High	666.8

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1150.3	876.4	728.4	643.2	601.6	569.6	518.1



Data in meters/kilograms (Metric)

**HULL AND APPENDAGES (Lightship Trim)**

Class	<b>FORTUNA 9</b>	LOA	<b>8.990</b>	VCGD	<b>-0.102</b>
Measurement	<b>01/02/2022</b>	Max. Beam	<b>3.236</b>	VCGM	<b>-0.124</b>
HIN		Draft	<b>1.745</b>	RM Measured (kg·m)	<b>80.0</b>
Plan review		Displacement	<b>3,712</b>	RM Default (kg·m)	<b>64.6</b>
Hull construction	<b>Solid</b>	Wetted area	<b>18.70</b>	Limit of positive stability(°)	<b>N/A</b>
Aramid Hull Core	<b>No</b>	IMS L	<b>7.845</b>	Stability Index	<b>N/A</b>
Carbon Rudder	<b>No</b>	LSM0	<b>7.812</b>		
Light stanchions	<b>No</b>	Acc. length	<b>8.990</b>		
Trim tab	<b>No</b>	Sink (kg/mm)	<b>13.70</b>		

**PROPELLER**

Propeller Type	<b>Solid 2 blades</b>				
Installation	<b>Strut</b>	PRD	<b>0.300</b>	EDL	<b>1.090</b>
				ST3	<b>0.168</b>
Twin screw	<b>No</b>	PBW		ST1	<b>0.044</b>
				ST4	<b>0.095</b>
Hydro generator	<b>No</b>	PIPA	<b>0.0096</b>	ST2	<b>0.168</b>
				ST5	<b>0.260</b>

**RIG**

Forestay tension	<b>Aft</b>	P	<b>11.865</b>	E	<b>3.780</b>
Inner stay	<b>None Fitted</b>	IG	<b>11.000</b>	J	<b>3.430</b>
Carbon mast	<b>No</b>	ISP	<b>11.000</b>	BAS	<b>1.509</b>
Headsail furler	<b>No</b>	MDT1	<b>0.098</b>	FSD	<b>0.033</b>
Mainsail furler	<b>No</b>	MDL1	<b>0.161</b>	SFJ	<b>0.000</b>
Articulated bowsprit	<b>No</b>	MDT2	<b>0.097</b>	SPL	<b>2.910</b>
Non-circular rigging	<b>No</b>	MDL2	<b>0.108</b>	WPL	
Fiber rigging	<b>No</b>	TL	<b>1.840</b>	TPS	
Runners/Checkstays	<b>0</b>	MW	<b>0.160</b>	BD	<b>0.118</b>
Spreaders	<b>1</b>	GO	<b>0.160</b>	MWT	
				MCG	

**FLOTATION AND STABILITY**

Calculation method	<b>RM entered directly</b>	SFFP	<b>0.766</b>	SAFP	<b>8.096</b>
Flotation Date	<b>01/01/2010</b>	FFM		FAM	
Measurer		FF	<b>1.120</b>	FA	<b>0.933</b>
Comment		LCFcl	<b>5.034</b>	LCFsh	<b>5.284</b>
		SG		HBI	<b>0.998</b>



**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>
001	0.17	0.73	1.30	2.31	3.10	25.75	28/02/2022	FORVENT	Dacron	4 SABLES FORZADOS

**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>
1	0.05		1.24	2.51		5.13	10.93	No	No		27.94	10/05/2012		Dacron	
002	0.09	0.35	0.63	1.23	1.90	2.62	10.81	No	No		13.84	28/02/2022	AEROLITE	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>
001	10.92	10.92	10.92	5.94	5.92	54.02	28/02/2022	BANKS	Nylon	