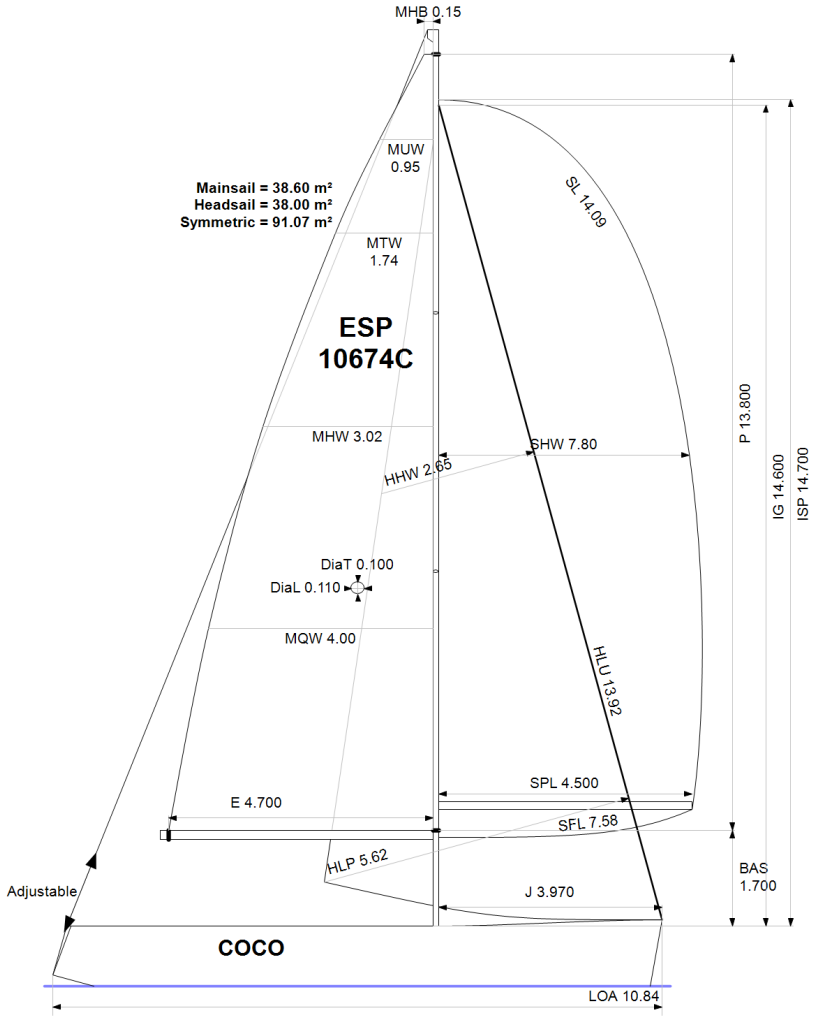
Club Certificate 2022

Boat
COCO
ESP-10674_C

RFEV
c/ Gamazo sn
39004 Santander – España
crucero@rfev.es

APH: **550.8** CDL: **9.385**

GPH: **617.0** CertNo: **106741**



BOAT

Class	**BAVARIA 35 MATCH**
Designer	**J&J DESING**
Builder	**BAVARIA**
Age date	**01/2005**
Series date	**06/2004**
Offset file	**Ba35mdk3.off**
Data file	

HULL

Length Overall	**10.840 m**
Maximum Beam	**3.276 m**
Draft	**2.025 m**
Displacement	**5,890 kg**
DLR	**5.5656**
IMS Division	**Cruiser/Racer**
Dynamic Allowance	**0.035%**
Age Allowance	**0.487%**

PROPELLER

Installation	**Strut**
Type	**Folding 3 blades**
Diameter	**m**

CREW

Maximum weight	**500 kg**
Minimum weight	**375 kg** ** when applied*
Non Manual Power	**No**
Crew Arm Extension	

SAIL AREAS (m²)

	Measured	Rated
Mainsail	**38.60**	**39.33**
Headsail Luffed	**38.00**	**38.00**
Headsail Flying		
Symmetric	**91.07**	**91.07**
Asymmetric		

STORM SAIL AREAS (m²)

Trysail	**11.36**
Storm Jib	**10.66**
Heavy Weather Jib	**28.78**

SAIL LIMITS

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

STABILITY

Righting Moment	**120.0 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	42.9°	41.2°	40.6°	39.4°	38.8°	38.4°	38.2°
Beat VMG	3.53	4.27	4.79	5.04	5.15	5.21	5.28
52°	5.38	6.38	6.97	7.20	7.29	7.34	7.40
60°	5.67	6.66	7.16	7.39	7.49	7.55	7.59
75°	5.91	6.85	7.30	7.56	7.75	7.87	7.99
90°	5.85	6.83	7.31	7.61	7.87	8.12	8.48
110°	5.71	6.88	7.45	7.82	8.10	8.32	8.83
120°	5.56	6.75	7.38	7.79	8.20	8.60	9.09
135°	5.03	6.19	7.05	7.51	7.90	8.35	9.36
150°	4.23	5.34	6.33	7.08	7.51	7.88	8.75
Run VMG	3.67	4.63	5.48	6.23	6.84	7.33	8.05
Gybe Angles	144.2°	149.3°	151.4°	157.4°	169.4°	178.4°	178.4°

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Time Allowances in secs/NM							
Wind Velocity	**6 kt**	**8 kt**	**10 kt**	**12 kt**	**14 kt**	**16 kt**	**20 kt**
Beat VMG	1019.1	844.0	751.8	714.5	698.8	691.1	681.7
52°	669.8	564.1	516.6	499.9	493.5	490.3	486.7
60°	634.9	540.7	502.9	487.3	480.7	477.0	474.6
75°	608.7	525.7	493.3	476.1	464.5	457.4	450.6
90°	615.2	527.4	492.5	473.3	457.5	443.5	424.6
110°	630.7	523.3	483.1	460.2	444.3	432.8	407.7
120°	647.6	533.6	487.7	462.3	439.1	418.7	396.0
135°	715.9	581.5	510.7	479.3	455.5	431.0	384.6
150°	850.4	674.0	569.1	508.7	479.3	456.8	411.2
Run VMG	981.9	778.2	656.6	577.8	526.5	491.5	447.4
Selected Courses							
Windward / Leeward	1000.5	811.1	704.2	646.1	612.6	591.3	564.5
All purpose	770.0	635.0	566.8	532.0	511.7	497.5	475.6

Single Number Scoring Options		
Course	**Time On Distance**	**Time On Time**
Windward / Leeward	675.7	0.8880
All purpose	550.8	1.0893

Custom scoring options for Spain

Single Number	**Time On Distance**
Coastal/Long Distance	599.6
Triple Number Coastal/Long Distance Low	702.5
Triple Number Coastal/Long Distance Medium	547.1
Triple Number Coastal/Long Distance High	492.8
Triple Number Windward/Leeward Low	905.8
Triple Number Windward/Leeward Medium	670.8
Triple Number Windward/Leeward High	586.6

Performance Curve	**6 kt**	**8 kt**	**10 kt**	**12 kt**	**14 kt**	**16 kt**	**20 kt**
Coastal/Long Distance	998.6	762.7	636.6	567.1	530.5	501.6	456.6

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Data in **meters/kilograms (Metric)**

HULL AND APPENDAGES (Lightship Trim)

Class	**BAVARIA 35 MATCH**	LOA	**10.840**	VCGD	**-0.037**
Measurement	**12/07/2019**	Max. Beam	**3.276**	VCGM	**-0.024**
HIN		Draft	**2.025**	RM Measured (kg·m)	**120.0**
Plan review		Displacement	**5,890**	RM Default (kg·m)	**120.9**
Hull construction	**Cored**	Wetted area	**25.22**	Limit of positive stability(°)	**N/A**
Aramid Hull Core	**No**	IMS L	**10.034**	Stability Index	**N/A**
Carbon Rudder	**No**	LSM0	**10.190**		
Light stanchions	**No**	Acc. length	**10.647**		
Trim tab	**No**	Sink (kg/mm)	**18.85**		

PROPELLER

Propeller Type	**Folding 3 blades**					
Installation	**Strut**	PRD		EDL	**2.100**	ST3 **0.180**
Twin screw	**No**	PBW		ST1	**0.065**	ST4 **0.110**
Hydro generator	**No**	PIPA	**0.0039**	ST2	**0.180**	ST5 **0.290**

RIG

Forestay tension	**Aft**	P	**13.800**	E	**4.700**
Inner stay	**None Fitted**	IG	**14.600**	J	**3.970**
Carbon mast	**No**	ISP	**14.700**	BAS	**1.700**
Headsail furler	**No**	MDT1	**0.100**	FSD	**0.050**
Mainsail furler	**No**	MDL1	**0.110**	SFJ	
Articulated bowsprit	**No**	MDT2		SPL	**4.500**
Non-circular rigging	**No**	MDL2		WPL	
Fiber rigging	**No**	TL		TPS	**5.000**
Runners/Checkstays	**0**	MW		BD	
Spreaders	**2**	GO		MWT	
				MCG	

FLOTATION AND STABILITY

Calculation method	**RM entered directly**	SFFP	**0.120**	SAFP	**10.517**
Flotation Date	**01/01/2010**	FFM		FAM	
Measurer		FF	**1.175**	FA	**1.063**
Comment		LCFcl	**5.897**	LCFsh	**6.112**
		SG		HBI	**1.069**

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MAINSAIL

Id	*MHB*	*MUW*	*MTW*	*MHW*	*MQW*	*Area*	*Meas.Date*	*Maker*	*Material*	*Comment*
001	0.15	0.95	1.74	3.02	4.00	38.60	12/07/2019		Dacron	

HEADSAIL

Id	*HHB*	*HUW*	*HTW*	*HHW*	*HQW*	*HLP*	*HLU*	*Btn*	*Flying*	*FT*	*Area*	*Meas.Date*	*Maker*	*Material*	*Comment*
001	0.08	0.67	1.32	2.65	4.08	5.62	13.92	No	No		38.00	07/01/2022		Dacron	
002	0.06	0.61	1.17	2.38	3.71	5.04	13.93	No	No		34.25	12/07/2019		Dacron	

SYMMETRIC SPINNAKER

Id	*SLU*	*SLE*	*SL*	*SHW*	*SFL*	*Area*	*Meas.Date*	*Maker*	*Material*	*Comment*
002	14.09	14.09	14.09	7.80	7.58	91.07			Unknown	
001	13.51	13.51	13.51	7.24	6.93	80.81	07/01/2022	NORTH	Unknown	