

APH ToD: **538,6** CDL: **10,605**

APH ToT: **1,1140** CertNo: **9202.5**

BOAT

Class **BAVARIA 42 Match**
Designer **J & J**
Builder **BAVARIA YACHTBAU**
Age date **01.2005**
Series date **03.2004**
Offset file **BA42MDK3.OFF**
Data file **RU9202_Les Sables D'Olonne**

HULL

Length Overall **12,550 m**
Maximum Beam **3,760 m**
Draft **2,497 m**
Displacement **8 893 kg**
DLR **6,0344**
IMS Division **Performance**
Dynamic Allowance **0,000%**
Age Allowance **0,650%**
RS Assessment **-0,178%**

PROPELLER

Installation **Strut**
Type **Folding 3 blades**
Diameter **0,456m**

CREW

Maximum weight **828 kg (default)**
Minimum weight **698 kg * when applied**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	44,05	44,21
Headsail Luffed	44,08	44,08
Headsail Flying		
Symmetric	99,97	99,97
Asymmetric		

STORM SAIL AREAS Maximum (m²)

Trysail **15,01**
Storm Jib **12,46**
Heavy Weather Jib **33,64**

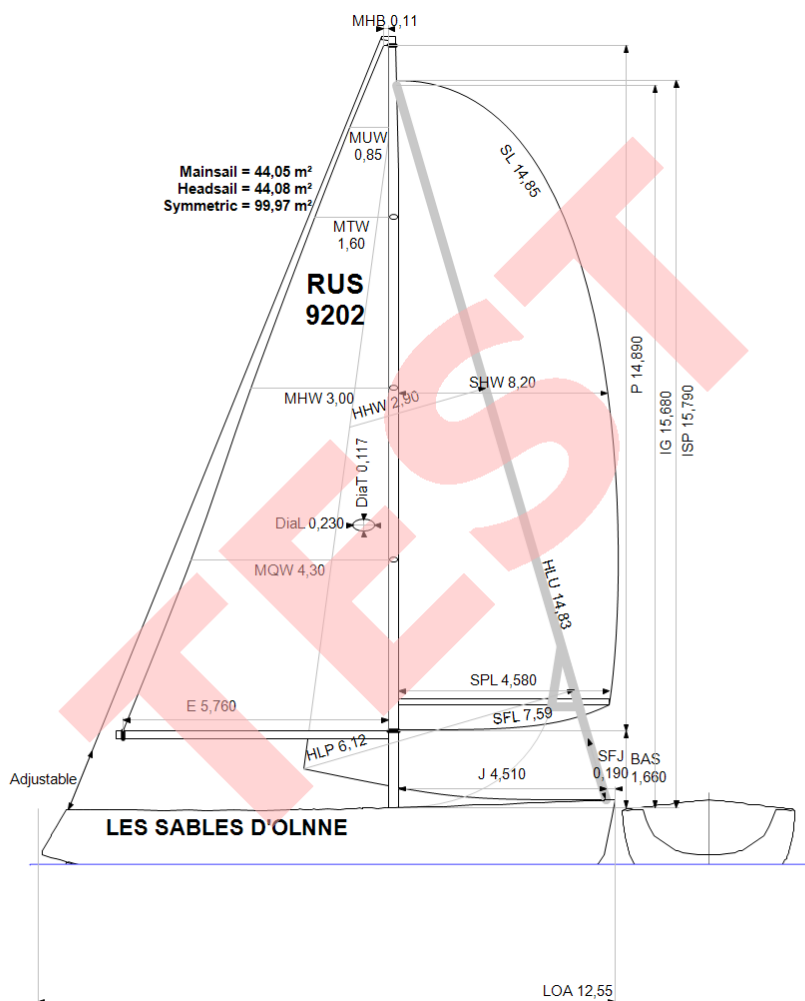
SAIL LIMITS

Headsails **6 * One set on the forestay**
*** Woven polyester sails**
Spinnakers **5**

STABILITY

Righting Moment **N/A**
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	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat Angles	46,7°	44,0°	41,6°	40,2°	38,8°	37,6°	37,1°	37,1°	37,7°
Beat VMG	2,39	3,46	4,26	4,86	5,31	5,58	5,70	5,79	5,77
52°	3,77	5,30	6,34	7,08	7,54	7,78	7,91	8,01	8,03
60°	4,06	5,59	6,62	7,30	7,71	7,95	8,10	8,23	8,27
75°	4,26	5,78	6,80	7,45	7,84	8,11	8,33	8,58	8,70
90°	4,13	5,65	6,71	7,47	7,92	8,16	8,41	8,85	9,15
110°	3,91	5,56	6,79	7,60	8,07	8,44	8,76	9,21	9,53
120°	3,76	5,36	6,58	7,46	7,99	8,38	8,75	9,48	10,05
135°	3,26	4,78	5,99	6,96	7,65	8,11	8,50	9,32	10,28
150°	2,70	4,04	5,21	6,22	7,07	7,68	8,10	8,85	9,68
Run VMG	2,34	3,50	4,51	5,40	6,18	6,86	7,42	8,21	8,90
Gybe Angles	141,9°	145,1°	149,2°	152,5°	155,9°	162,4°	168,0°	177,2°	176,8°

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	1506,1	1041,5	845,5	740,2	677,5	644,9	631,3	621,6	624,1	
52°	955,4	679,7	567,4	508,4	477,8	462,4	454,9	449,5	448,5	
60°	887,8	644,2	543,9	493,1	467,1	452,7	444,2	437,6	435,4	
75°	844,3	623,4	529,2	483,1	459,2	443,7	432,4	419,3	413,9	
90°	871,3	637,2	536,2	481,7	454,6	441,1	428,3	406,9	393,6	
110°	920,7	647,8	529,9	473,7	446,0	426,6	410,7	390,7	377,8	
120°	958,3	671,2	546,7	482,5	450,5	429,4	411,3	379,6	358,2	
135°	1105,1	753,2	601,2	517,2	470,6	444,1	423,6	386,5	350,3	
150°	1334,8	891,9	690,6	578,6	509,3	468,7	444,2	406,7	371,8	
Run VMG	1541,3	1029,8	797,4	666,6	582,3	524,7	485,5	438,3	404,7	
Selected Courses										
Windward / Leeward	1523,7	1035,7	821,4	703,4	629,9	584,8	558,4	530,0	514,4	
All purpose	1145,4	795,2	643,7	562,5	515,7	488,3	471,1	449,4	435,3	

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	662,9	0,9051
All purpose	538,6	1,1140

Custom scoring options for Russia

Scoring Option	Time On Distance	Time On Time
Predominantly Upwind	579,3	1,0357
Predominantly Downwind	555,8	1,0795



Club Certificate
2026

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d'Olnne
RUS 9202

Novokolomiazhskii av 11-70
197375 St-Petersburg, Russia



Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	BAVARIA 42 Match	Length overall	12,550	VCGD	-0,015	Centerboard weight	N/A
Measurement	26.05.2025	Maximum beam	3,760	VCGM	0,009	List angle	N/A
HIN	DE-BAV42D9K405	Draft	2,497	RM Rated (kg-m)	219,8	Canting keel angle	N/A
Plan review		Displacement	8 893	Limit of positive stability(°)	N/A		
Hull construction	Solid	Wetted area	33,50	Stability Index	N/A		
Carbon rudder	No	IMS L	11,495	BLR index	N/A		
Light stanchions	No	LSM0	11,379	Default crew weight	828		
Trim tab	No	Accommod. length	12,220	Declared crew weight	N/A		
		Sink (kg/mm)	25,33				

PROPELLER

Propeller Type	Folding 3 blades						
Installation	Strut	PRD	0,456	EDL	2,700	ST3	0,188
Twin screw	No	PBW	0,113	ST1	0,070	ST4	0,110
Hydro generator	No	PIPA	0,0041	ST2	0,188	ST5	0,280

RIG

Backstay	Adjustable	P	14,890	E	5,760	PY	N/A	Flying Headsail		
Forestay	Adjustable (turnbuckle)	IG	15,680	J	4,510	MDT1Y	N/A	Foretriangles		
Inner forestay	Not installed	ISP	15,790	BAS	1,660	MDL1Y	N/A	Id	ISP	TPS
Mast material	Aluminum	MDT1	0,117	FSD	0,070	MDT2Y	N/A			
Single headsail furler	Yes	MDL1	0,230	SFJ	0,190	MDL2Y	N/A			
Mainsail furler	No	MDT2	0,117	SPL	4,580	TLY	N/A			
Articulated bowsprit	No	MDL2	0,165	WPL		BASY	N/A			
Non-circular rigging	No	TL	2,780	TPS		EY	N/A			
Fiber rigging	No	MW	0,200	BD	0,178	BDY	N/A			
Base of mast	Fixed	GO	0,230	MWT		IY	N/A			
Running backstays	No			MCG		EB	N/A			
Checkstays	No									
Spreaders	3									
Rotating mast	No									

FLOTATION AND STABILITY

Calculation method	RM estimated	SFFP	0,240	SAFP	11,890		
Flotation Date	03.06.2024	FFM	1,352	FAM	1,193		
		FF	1,399	FA	1,202		
		LCFcl	6,941	LCFsh	7,184		
		SG	1,0140	HBI	1,240		

INVENTORY

TANKS	<i>Id</i>	<i>Description</i>	<i>Sp.Wght</i>	<i>Capacity</i>	<i>Condition</i>	<i>LCG</i>	<i>VCG</i>
	014		Water	80	0	2,10	0,10
	013		Water	120	40	9,94	0,20
	012		0,8600	130	35	9,94	0,20
			Total deductible		70	9,94	0,20
OTHER ITEMS	<i>Id</i>	<i>Kind</i>	<i>Description</i>		<i>Weight</i>	<i>LCG</i>	<i>VCG</i>
	003	Battery			60	6,74	-0,02
	004	Engine (IC)			380	8,54	0,10
	005	Anchor	spare		47	3,04	-0,10
	002	Anchor			20	0,00	1,42
	006	Chain	spare		8	3,06	-0,10
	001	Chain			400	0,80	0,20
	007	Tools			20	7,50	0,60
	012	Safety equipment			40	7,10	0,30
	011	Deductible	armament		30	6,80	0,80
	010	Deductible	sails		69	4,50	1,00
	009	Deductible			465	8,50	0,90
	008	Deductible	clothes		20	8,30	0,40
				Total deductible		450	5,26



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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>
01	0,11	0,85	1,60	3,00	4,30	44,05	09.06.2021	

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>
02	0,03	0,73	1,41	2,90	4,46	6,12	14,83	No	No	44,08	09.06.2021	

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>
03	14,85	14,85	14,85	8,20	7,59	99,97	09.06.2021	

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		

