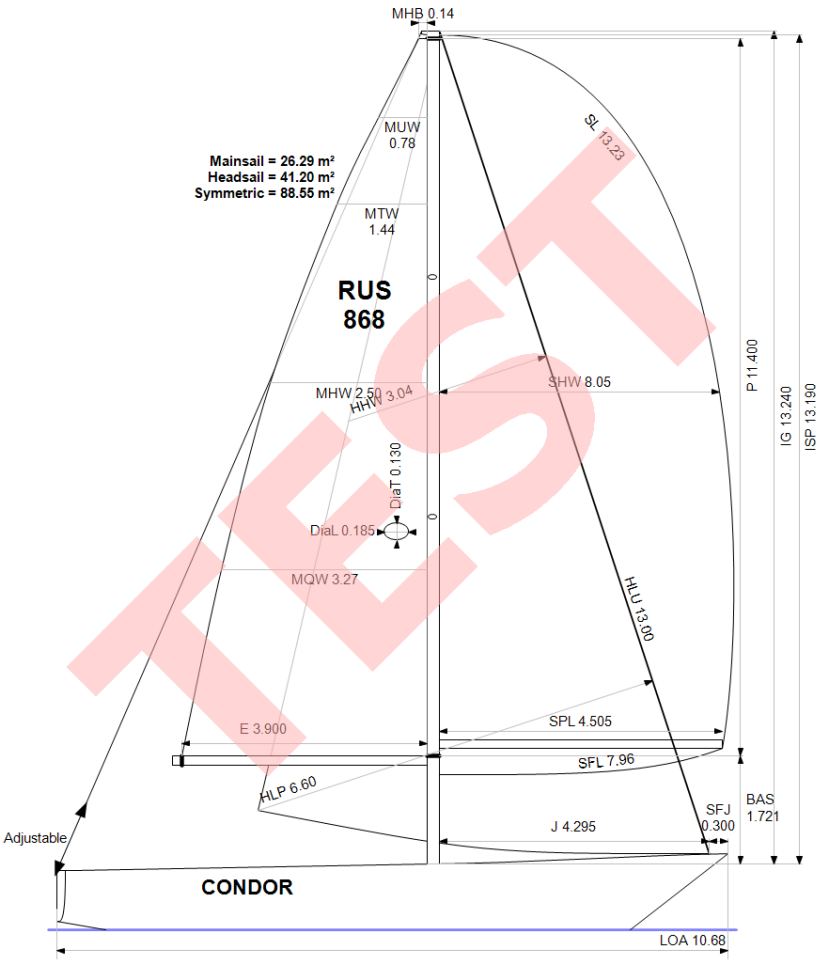
Club
Certificate
2022

Boat
Condor
RUS 868

Novokolomiazhskii av 11-70
St-Petersburg
Russia

APH: **592.1** CDL: **8.397**

GPH: **668.1** CertNo: **0868.4**



TEST

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°	41.1°	39.3°	37.6°	36.9°	36.6°
Beat VMG	3.18	3.84	4.36	4.79	5.04	5.14	5.19
52°	4.81	5.71	6.38	6.74	6.95	7.03	7.09
60°	5.04	5.97	6.55	6.88	7.09	7.21	7.30
75°	5.22	6.12	6.67	6.98	7.22	7.44	7.67
90°	5.16	6.09	6.79	7.13	7.30	7.52	7.99
110°	5.13	6.24	6.89	7.28	7.65	7.97	8.33
120°	5.00	6.11	6.81	7.21	7.60	8.00	8.67
135°	4.56	5.61	6.51	6.98	7.34	7.73	8.54
150°	3.87	4.92	5.84	6.58	6.99	7.33	8.06
Run VMG	3.36	4.26	5.06	5.79	6.37	6.83	7.47
Gybe Angles	146.6°	150.5°	151.1°	157.0°	168.2°	177.2°	178.1°

BOAT

Class	**Taurus**
Designer	**Gogolkewich**
Builder	**Teliga yard Poland**
Age date	**01.1978**
Series date	**01.1975**
Offset file	**TAUR868.OFF**
Data file	**RU0868_Condor**

HULL

Length Overall	**10.680 m**
Maximum Beam	**3.680 m**
Draft	**1.927 m**
Displacement	**5 090 kg**
DLR	**7.3241**
IMS Division	**Cruiser/Racer**
Dynamic Allowance	**0.269%**
Age Allowance	**0.487%**

PROPELLER

Installation	**Shaft exposed**
Type	**Folding 2 blades**
Diameter	**0.381m**

CREW

Maximum weight	**579 kg**
Minimum weight	**434 kg** ** when applied*
Non Manual Power	**No**
Crew Arm Extension	

SAIL AREAS (m²)

	Measured	Rated
Mainsail	**26.29**	**26.78**
Headsail Luffed	**41.20**	**41.20**
Headsail Flying		
Symmetric	**88.55**	**88.55**
Asymmetric		

STORM SAIL AREAS (m²)

Trysail	**7.79**
Storm Jib	**8.89**
Heavy Weather Jib	**24.00**

SAIL LIMITS

Headsails	**5**
Spinnakers	**4**

STABILITY

Righting Moment	**159.4 kg·m**
Stability Index	**N/A**

COMMENTS

Mast shall be remeasured ashore DSPM weighted 5134

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.

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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	1132.1	938.1	826.3	751.2	714.0	700.1	693.2
52°	748.1	630.3	564.3	533.9	518.4	512.0	507.5
60°	714.5	603.0	549.3	523.6	508.0	499.2	493.4
75°	689.3	588.4	539.6	516.0	498.8	484.2	469.5
90°	698.2	591.3	530.2	504.7	493.3	478.7	450.4
110°	701.1	576.7	522.7	494.7	470.4	451.4	432.0
120°	719.7	588.8	528.8	499.4	473.4	449.7	415.3
135°	788.9	641.4	553.2	516.1	490.7	465.8	421.7
150°	929.1	731.8	616.9	546.8	514.7	491.1	446.7
Run VMG	1072.9	844.9	711.9	621.6	565.4	527.4	481.8
Selected Courses							
Windward / Leeward	1102.5	891.5	769.1	686.4	639.7	613.8	587.5
All purpose	854.7	702.1	617.4	568.2	540.2	522.1	499.0

Single Number Scoring Options		
Course	**Time On Distance**	**Time On Time**
Windward / Leeward	722.7	0.8302
All purpose	592.1	1.0134

Custom scoring options for Russia

Single Number	Time On Distance	Time On Time
Predominantly Upwind	640.2	0.9372
Predominantly Downwind	604.7	0.9922

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

HULL AND APPENDAGES (Lightship Trim)

Class	**Taurus**	LOA	**10.680**	VCGD	**0.099**
Measurement	**30.07.2017**	Max. Beam	**3.680**	VCGM	**0.205**
HIN		Draft	**1.927**	RM Measured (kg·m)	**159.4**
Plan review		Displacement	**5 090**	RM Default (kg·m)	**133.3**
Hull construction	**Solid**	Wetted area	**25.25**	Limit of positive stability(°)	**N/A**
Aramid Hull Core	**No**	IMS L	**8.891**	Stability Index	**N/A**
Carbon Rudder	**No**	LSM0	**8.857**		
Light stanchions	**No**	Acc. length	**10.680**		
Trim tab	**Yes**	Sink (kg/mm)	**19.80**		

PROPELLER

Propeller Type	**Folding 2 blades**						
Installation	**Shaft exposed**	PRD	**0.381**	PSD	PSA	ST1	ST4
Twin screw	**No**	PBW		PHD	ESL	ST2	ST5
Hydro generator	**No**	PIPA	**0.0014**	PHL		ST3	

RIG

Forestay tension	**Aft**	P	**11.400**	E	**3.900**		
Inner stay	**None Fitted**	IG	**13.240**	J	**4.295**		
Carbon mast	**No**	ISP	**13.190**	BAS	**1.721**		
Headsail furler	**No**	MDT1	**0.130**	FSD	**0.037**		
Mainsail furler	**No**	MDL1	**0.185**	SFJ	**0.300**		
Articulated bowsprit	**No**	MDT2		SPL	**4.505**		
Non-circular rigging	**No**	MDL2		WPL			
Fiber rigging	**No**	TL	**No Taper**	TPS			
Runners/Checkstays	**0**	MW	**0.185**	BD	**0.152**		
Spreaders	**2**	GO	**0.215**	MWT			
				MCG			

FLOTATION AND STABILITY

Calculation method	**Poles inclining**	SFFP	**0.968**	SAFP	**10.482**	W1	**94.4**	PD1	**560.0**	WD	**12.005**
Flotation Date	**27.07.2018**	FFM		FAM		W2	**94.4**	PD2	**560.0**	PLM	**9000.00**
Measurer	**RUS 209**	FF	**1.187**	FA	**0.831**	W3	**94.4**	PD3	**560.0**	GSA	**1.0**
Comment		LCFcl	**6.499**	LCFsh	**6.756**	W4	**94.4**	PD4	**560.0**	RSA	**1.0**
		SG	**1.0000**	HBI	**1.046**						

INVENTORY

TANKS

Id	*Description*	*Sp.Wght*	*Capacity*	*Condition*	*LCG*	*VCG*
F	Fuel Fixed SB, under cockpit sole	0.9000	90	~~45~~	8.30	-0.30
W	Water Fixed St steel, Forward cabin, Port		70	0	3.45	0.00
W	Water Fixed St Steel, Forward cabin, SB		70	0	3.45	0.00
			Total deductible	**41**	**8.30**	**-0.30**

OTHER ITEMS

Id	*Kind*	*Description*	*Weight*	*LCG*	*VCG*
St	Battery	Stater Exide 45 AH	16	8.22	-0.30
Cons	Battery	Consumers Exide EA1000 100 AH	23	6.00	0.00
E	Engine	Beta Marine Beta 20			
A1	Anchor	Bruce type 15 kg		9.50	1.00
A2	Anchor	Bruce type 7,5 kg		9.50	0.00
C1	Chain	Chain d10 L=15 m + rope d19 L 20 m		9.50	0.00
		Total deductible	**0**		

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MAINSAIL

Id	*MHB*	*MUW*	*MTW*	*MHW*	*MQW*	*Area*	*Meas.Date*	*Maker*	*Material*	*Comment*
M2	0.14	0.78	1.44	2.50	3.27	26.29	23.05.2022	Sev Sijanie	Pentex	
M1	0.15	0.67	1.17	2.10	2.93	23.46	23.05.2022	Sev.Sijanie	Dacron	

HEADSAIL

Id	*HHB*	*HUW*	*HTW*	*HHW*	*HQW*	*HLP*	*HLU*	*Btn*	*Flying*	*FT*	*Area*	*Meas.Date*	*Maker*	*Material*	*Comment*
J1	0.08	0.75	1.46	3.04	4.79	6.60	13.00	No	No		41.20	23.05.2022	Sev.Sijanie	Dacron	
J2	0.07	0.58	1.16	2.46	3.95	5.63	13.00	No	No		34.09	23.05.2022	Sev. Sijanie	Dacron	
J3	0.07	0.66	1.29	2.60	3.96	5.35	12.85	No	No		33.94	23.05.2022	Sev.Sijanie	Dacron	
J4	0.07	0.50	0.94	1.93	3.02	4.20	12.95	No	No		26.10	23.05.2022	Sev. Sijanie	Dacron	

SYMMETRIC SPINNAKER

Id	*SLU*	*SLE*	*SL*	*SHW*	*SFL*	*Area*	*Meas.Date*	*Maker*	*Material*	*Comment*
S1	13.23	13.23	13.23	8.05	7.96	88.55	30.07.2017	Poland	Nylon	