

APH: **728.0** CDL: **5.524**

GPH: **818.1** CertNo: **107301**

BOAT

Class **VIVA 700**
Designer **Andrzej Skrzat**
Builder **SASANKA YACHTS**
Age date **06/2006**
Series date **01/2006**
Offset file **MALU7CL.OFF**
Data file

HULL

Length Overall **7.000 m**
Maximum Beam **2.500 m**
Draft **1.325 m**
Displacement **1,650 kg**
DLR **7.4103**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.310%**
Age Allowance **0.487%**

PROPELLER

Installation **No Propeller**
Type **N/A**
Diameter **N/A**

CREW

Maximum weight **240 kg**
Minimum weight **155 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	15.52	15.96
Headsail Luffed	12.49	12.49
Headsail Flying		

Symmetric
Asymmetric

STORM SAIL AREAS (m²)

Trysail **4.69**
Storm Jib **2.95**
Heavy Weather Jib **7.97**

SAIL LIMITS

Headsails **1** * Woven polyester sails
Spinnakers **0** * Spinnaker pole aboard

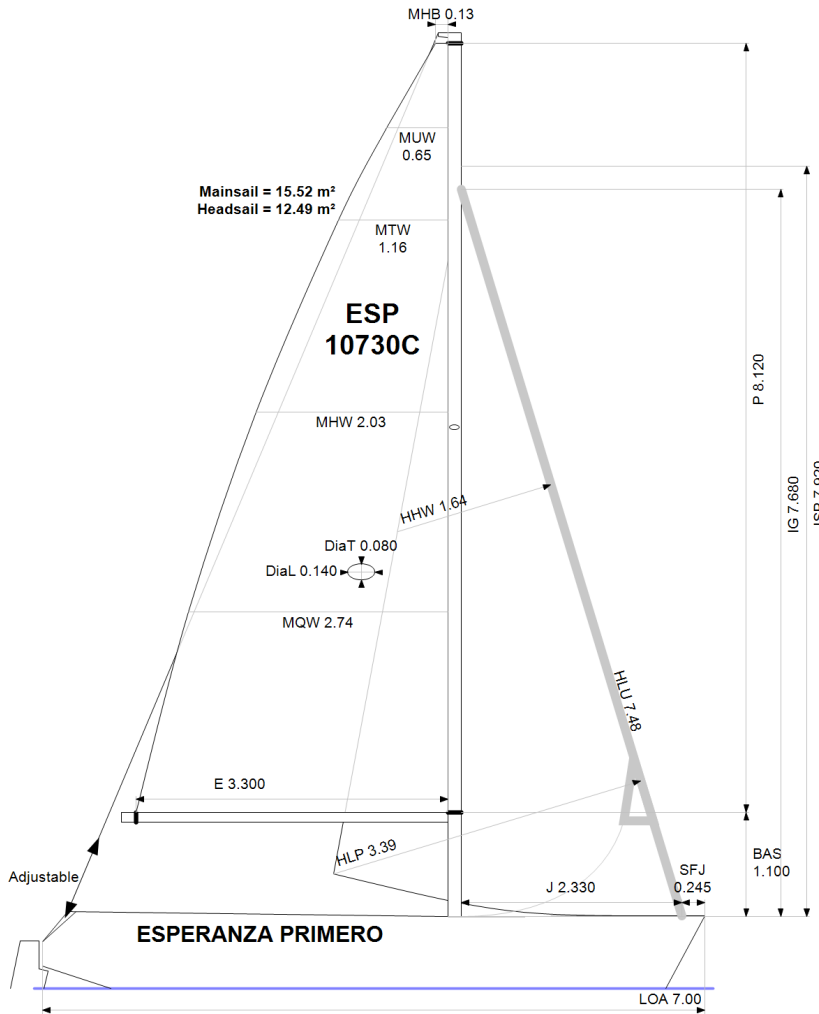
STABILITY

Righting Moment **22.8 kg·m**
Stability Index **N/A**

COMMENTS

PESADO 1 DINA. JULIO QUILES casco estimado. SIN SPINANKER

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	43.5°	42.3°	42.0°	40.5°	40.0°	39.9°	41.2°
Beat VMG	2.70	3.20	3.59	3.86	3.98	4.01	3.96
52°	4.12	4.85	5.31	5.54	5.66	5.71	5.72
60°	4.36	5.10	5.47	5.68	5.81	5.89	5.93
75°	4.54	5.27	5.60	5.81	5.99	6.15	6.32
90°	4.49	5.27	5.64	5.88	6.11	6.34	6.64
110°	4.17	5.03	5.56	5.84	6.10	6.37	6.88
120°	3.98	4.82	5.44	5.76	6.01	6.28	6.82
135°	3.56	4.39	5.11	5.56	5.83	6.08	6.62
150°	3.09	3.94	4.64	5.25	5.62	5.87	6.38
Run VMG	2.68	3.46	4.14	4.76	5.30	5.64	6.11
Gybe Angles	152.0°	161.3°	171.2°	173.6°	179.0°	179.9°	179.9°



Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1334.8	1124.5	1002.8	933.2	905.3	897.0	909.7
52°	873.2	742.4	678.3	650.2	636.0	630.4	629.3
60°	826.1	706.0	657.8	634.3	619.3	610.8	607.2
75°	793.4	682.8	642.6	619.8	600.9	585.1	569.3
90°	801.3	683.2	638.1	612.4	588.9	567.6	541.9
110°	863.0	715.5	647.9	616.3	590.4	564.8	522.9
120°	904.9	746.4	661.6	625.4	599.1	573.1	527.5
135°	1010.2	820.3	704.6	647.7	617.9	592.6	543.9
150°	1163.2	914.3	775.9	685.2	640.2	613.1	564.3
Run VMG	1341.4	1040.5	869.9	756.3	679.5	638.8	589.0
Selected Courses							
Windward / Leeward	1338.1	1082.5	936.3	844.8	792.4	767.9	749.4
All purpose	1031.0	850.6	754.9	700.4	669.4	650.3	628.0

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	888.6	0.6752
All purpose	728.0	0.8241

Custom scoring options for Spain

Single Number	Time On Distance
Coastal/Long Distance	792.1
Triple Number Coastal/Long Distance Low	940.9
Triple Number Coastal/Long Distance Medium	723.3
Triple Number Coastal/Long Distance High	646.7
Triple Number Windward/Leeward Low	1210.2
Triple Number Windward/Leeward Medium	882.0
Triple Number Windward/Leeward High	767.1

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1338.4	1018.5	847.6	746.4	694.1	657.2	598.3



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

HULL AND APPENDAGES (Lightship Trim)

Class	VIVA 700	LOA	7.000	VCGD	0.020
Measurement	10/01/2020	Max. Beam	2.500	VCGM	0.003
HIN		Draft	1.325	RM Measured (kg·m)	22.8
Plan review		Displacement	1,650	RM Default (kg·m)	22.8
Hull construction	Solid	Wetted area	10.30	Limit of positive stability(°)	N/A
Aramid Hull Core	No	IMS L	5.926	Stability Index	N/A
Carbon Rudder	No	LSM0	6.061		
Light stanchions	No	Acc. length	7.000		
Trim tab	No	Sink (kg/mm)	7.71		

PROPELLER

Propeller Type	No Propeller
Hydro generator	No PIPA 0.0000

RIG

Forestay tension	Aft	P	8.120	E	3.300
Inner stay	None Fitted	IG	7.680	J	2.330
Carbon mast	No	ISP	7.920	BAS	1.100
Headsail furler	Yes	MDT1	0.080	FSD	0.035
Mainsail furler	No	MDL1	0.140	SFJ	0.245
Articulated bowsprit	No	MDT2		SPL	2.680
Non-circular rigging	No	MDL2		WPL	
Fiber rigging	No	TL	No Taper	TPS	2.875
Runners/Checkstays	0	MW		BD	0.106
Spreaders	1	GO		MWT	
				MCG	

FLOTATION AND STABILITY

Calculation method	VCG estimated	SFFP	0.446	SAFP	6.681
Flotation Date	22/03/2017	FFM		FAM	
Measurer		FF	0.772	FA	0.809
Comment		LCFcl	3.846	LCFsh	4.035
		SG		HBI	0.761



Club
Certificate
Non Spinnaker
2022

Boat
ESPERANZA PRIMERO
ESP-10730_C

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



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>
1	0.13	0.65	1.16	2.03	2.74	15.52	10/01/2020		Dacron	

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>
2	0.04	0.40	0.80	1.64	2.52	3.39	7.48	No	No		12.49	10/01/2020		Dacron	GENOVA
1	0.04	0.30	0.56	1.14	1.75	2.40	7.22	Yes	No		8.45	10/01/2020		Dacron	FOQUE