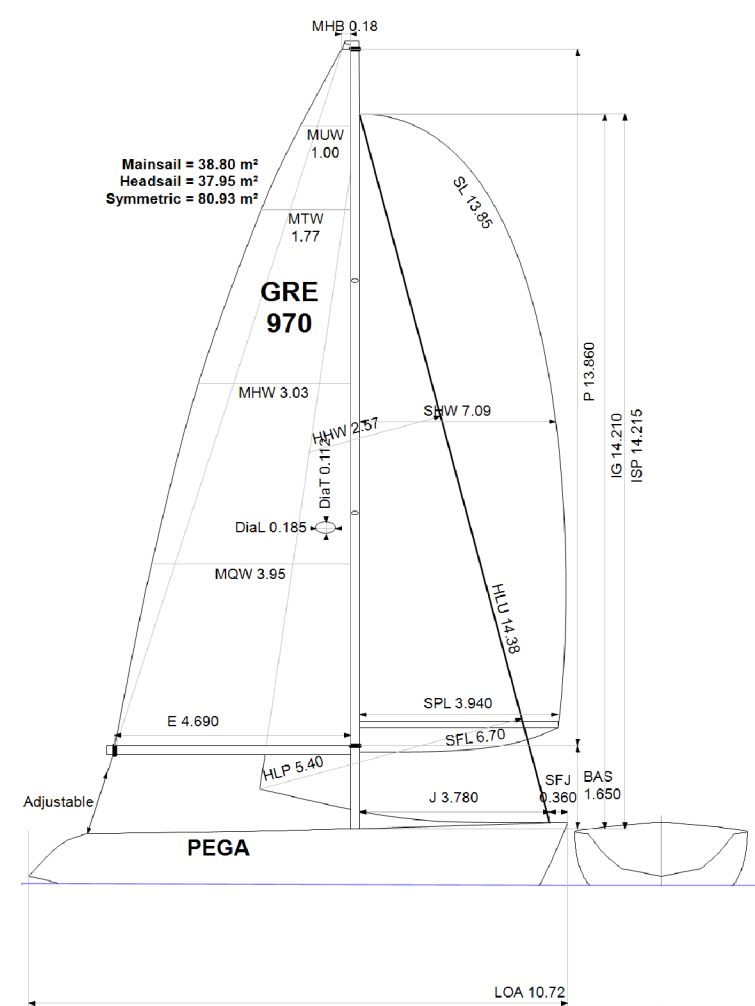




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2025

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GRE-970

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APH ToD: **558.9** CDL: **8.954**
APH ToT: **1.0734** CertNo: 00555

BOAT
Class X-362 Sport
Designer N.JEPPESSEN
Builder X-YACHTS
Age date 11/2002
Series date 10/1993
Offset file X-362SP-DK.off
Data file GR970

HULL
Length Overall 10.718 m
Maximum Beam 3.448 m
Draft 2.230 m
Displacement 5,198 kg
DLR 5.9354
IMS Division Cruiser/Racer
Dynamic Allowance 0.030%
Age Allowance 0.487%

PROPELLER
Installation Strut
Type Folding 2 blades
Diameter 0.400m

CREW
Maximum weight 185 kg (declared)
Minimum weight 120 kg * when applied
Non Manual Power No
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	38.80	39.54
Headsail Luffed	37.95	37.95
Headsail Flying		
Symmetric	80.93	80.93
Asymmetric		

STORM SAIL AREAS (m²)

Trysail	11.38
Storm Jib	10.16
Heavy Weather Jib	27.42

SAIL LIMITS
Headsails 5
Spinnakers 4

STABILITY
Righting Moment 131.5 kg·m
Stability Index 119.8

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	41.9°	41.9°	40.1°	38.9°	38.4°	38.3°	38.3°	38.8°	40.4°
Beat VMG	2.74	3.71	4.41	4.78	4.92	4.99	5.03	5.03	4.88
52°	4.19	5.56	6.45	6.86	7.01	7.09	7.15	7.19	7.14
60°	4.43	5.81	6.66	7.05	7.22	7.30	7.36	7.43	7.39
75°	4.59	5.98	6.80	7.21	7.46	7.60	7.70	7.85	7.90
90°	4.47	5.87	6.75	7.23	7.55	7.80	8.00	8.27	8.44
110°	4.12	5.62	6.71	7.30	7.69	8.00	8.20	8.54	8.86
120°	3.96	5.44	6.55	7.21	7.66	8.08	8.46	8.98	9.42
135°	3.46	4.86	6.02	6.86	7.39	7.84	8.29	9.29	10.71
150°	2.83	4.10	5.24	6.22	6.94	7.43	7.86	8.76	10.00
Run VMG	2.45	3.55	4.54	5.40	6.14	6.74	7.21	8.01	8.87
Gybe Angles	144.8°	144.8°	149.4°	153.2°	159.2°	166.4°	172.7°	175.4°	166.5°

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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	1315.9	969.5	816.1	753.5	731.2	721.1	715.2	715.2	737.6
52°	858.8	647.0	558.5	525.1	513.5	507.7	503.8	500.6	504.0
60°	812.8	619.2	540.8	510.4	498.8	493.1	488.8	484.4	486.9
75°	784.1	602.0	529.8	499.0	482.9	473.9	467.6	458.6	455.4
90°	805.4	612.9	533.5	498.1	477.1	461.3	449.7	435.4	426.6
110°	874.2	640.7	536.8	493.4	468.0	450.2	438.9	421.3	406.2
120°	909.1	661.9	549.7	499.2	469.8	445.8	425.5	400.9	382.2
135°	1041.6	741.4	598.2	524.6	487.0	459.4	434.5	387.6	336.2
150°	1271.0	879.0	686.5	579.1	518.4	484.6	458.3	410.9	360.1
Run VMG	1467.3	1015.0	792.7	666.4	586.7	534.0	499.1	449.5	405.8
Selected Courses									
Windward / Leeward	1389.7	992.2	804.4	709.9	658.9	627.6	607.2	582.3	571.7
All purpose	1050.9	766.0	635.7	574.1	542.0	522.2	508.0	488.1	475.6

Single Number Scoring Options

Course	Time On Distance	Time On Time
Windward / Leeward	685.1	0.8758
All purpose	558.9	1.0734

Custom scoring options for Greece

Scoring Option	Time On Distance	Time On Time
Coastal/Long Distance	606.8	0.9887
Triple Number Coastal/Long Distance Low	700.9	0.8561
Triple Number Coastal/Long Distance Medium	555.6	1.0800
Triple Number Coastal/Long Distance High	504.1	1.1903
Triple Number Windward/Leeward Low	898.3	0.6679
Triple Number Windward/Leeward Medium	680.2	0.8821
Triple Number Windward/Leeward High	603.0	0.9951

Performance Curve	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Coastal/Long Distance	1483.6	994.5	759.0	643.2	578.1	541.7	512.0	466.0	452.9

- AUS
- AUT
- BRA
- BUL
- CAN
- CYP
- DEN
- ESP
- EST
- FIN
- FRA
- GER
- GRE
- HUN
- ISR
- JPN
- KOR
- LTU
- NED
- NOR
- POR
- RSA
- RUS
- SLO
- SUI
- SWE
- UKR
- USA

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HULL AND APPENDAGES (Lightship Trim) Data in meters/kilograms (Metric)

Class	X-362 Sport	LOA	10.718	VCGD	0.061
Measurement	12/04/2005	Max. Beam	3.448	VCGM	0.009
HIN		Draft	2.230	RM Rated (kg·m)	131.5
Plan review		Displacement	5,198	Limit of positive stability(°)	119.0
Hull construction	Cored	Wetted area	25.20	Stability Index	119.8
Carbon rudder	No	IMS L	9.567	Default crew weight	170
Light stanchions	No	LSM0	9.566	Declared crew weight	185
Trim tab	No	Acc. length	10.718		
		Sink (kg/mm)	18.93		

PROPELLER

Propeller Type	Folding 2 blades
Installation	Strut
Twin screw	No
Hydro generator	No
	PRD 0.400 EDL 1.917 ST3 0.180
	PSW 0.110 ST1 0.042 ST4 0.112
	PIPA 0.0033 ST2 0.180 ST5 0.250

RIG

Forestay tension	Att	P 13.860	E 4.690
Inner stay	None Fitted	IG 14.210	J 3.780
Mast material	Aluminum	ISP 14.215	BAS 1.650
Single headsail furler	No	MDT1 0.112	FSD 0.034
Mainsail furler	No	MDL1 0.185	SFJ 0.360
Articulated bowsprit	No	MDT2 0.099	SPL 3.940
Non-circular rigging	No	MDL2 0.171	WPL
Fiber rigging	No	TL 1.200	TPS
Adjustable mast foot	No	MW 0.184	BD 0.180
Running backstays	0	GO 0.195	MWT 149.50
Checkstays	0		MCG 5.140
Spreaders	2		
Rotating mast	No		

FLOTATION AND STABILITY

Calculation method	Boom inclining	SFFP 0.332	SAFP 9.561	W1 96.5	PD1 270.3	WD 4.630
Flotation Date	19/02/2025	FFM 1.258	FAM 0.995	W2 96.5	PD2 273.3	PLM 9000.00
Measurer	GRE-103	FF 1.258	FA 0.996	W3 96.5	PD3 272.7	GSA 1.0
		LCFcl 6.057	LCFsh 6.291	W4 96.5	PD4 270.3	RSA 1.0
		SG 1.0245	HBI 1.126	LCFD 6.104		RM 129.5

INVENTORY

TANKS	Id	Description	Sp.Wght	Capacity	Condition	LCG	VCG
	3	WATER INOX	Water	135	0	4.80	
	2	WATER INOX	Water	90	0	3.60	
	1	FUEL INOX	Fuel	80	6	6.50	
			Total deductible	4	6.50		
OTHER ITEMS	Id	Kind	Description	Weight	LCG	VCG	
	3	Battery	145 Ah	5.50			
	2	Battery	77 Ah	6.20			
	1	Battery	72 Ah	4.90			
	4	Engine	YANMAR 3GM				
			Total deductible				

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MAINSAIL

Id	MHB	MUW	MTW	MHW	MQW	Area	Meas.Date	Comment
1	0.18	1.00	1.77	3.03	3.95	38.80	12/03/2024	Aramid

HEADSAIL

Id	HNB	HUW	HTW	HHW	HQW	HLP	HLU	Btn	Flying FT	Area	Meas.Date	Comment
6	0.08	0.66	1.28	2.57	3.95	5.40	14.38	No	No	37.95	17/04/2020	3Di
7	0.06	0.65	1.25	2.55	3.92	5.35	14.15	No	No	36.97	08/03/2025	No 2
3	0.06	0.62	1.19	2.45	3.81	5.26	14.10	No	No	35.77	14/07/2018	

SYMMETRIC SPINNAKER

Id	SLU	SLE	SL	SHW	SFL	Area	Meas.Date	Comment
1	13.85	13.85	13.85	7.09	6.70	80.93	09/03/2024	S2 0.6
2	13.96	13.96	13.96	6.68	6.75	77.99	29/10/2024	S3 0.75
6	13.50	13.50	13.50	6.35	6.55	71.89	07/05/2021	HEAVY

CRUISER/RACER REQUIREMENTS*

Accommodation length	10.7 m	Table area	0.55 m²	Headroom	1.75 m
Minimum number of berths	5	Personal gear stowage	0.20 m³	Fresh water capacity	117 l
Minimum number of seats in cockpit	5	Food stowage	0.30 m³	Fuel capacity	64 l
Cabin sole		Stoves		Sinks	
Galley gear stowage		Toilet		Wash basin	
Navigation area		Hanging locker			

*This list is a summary of the requirements. See IMS Appendix 1 for details.

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