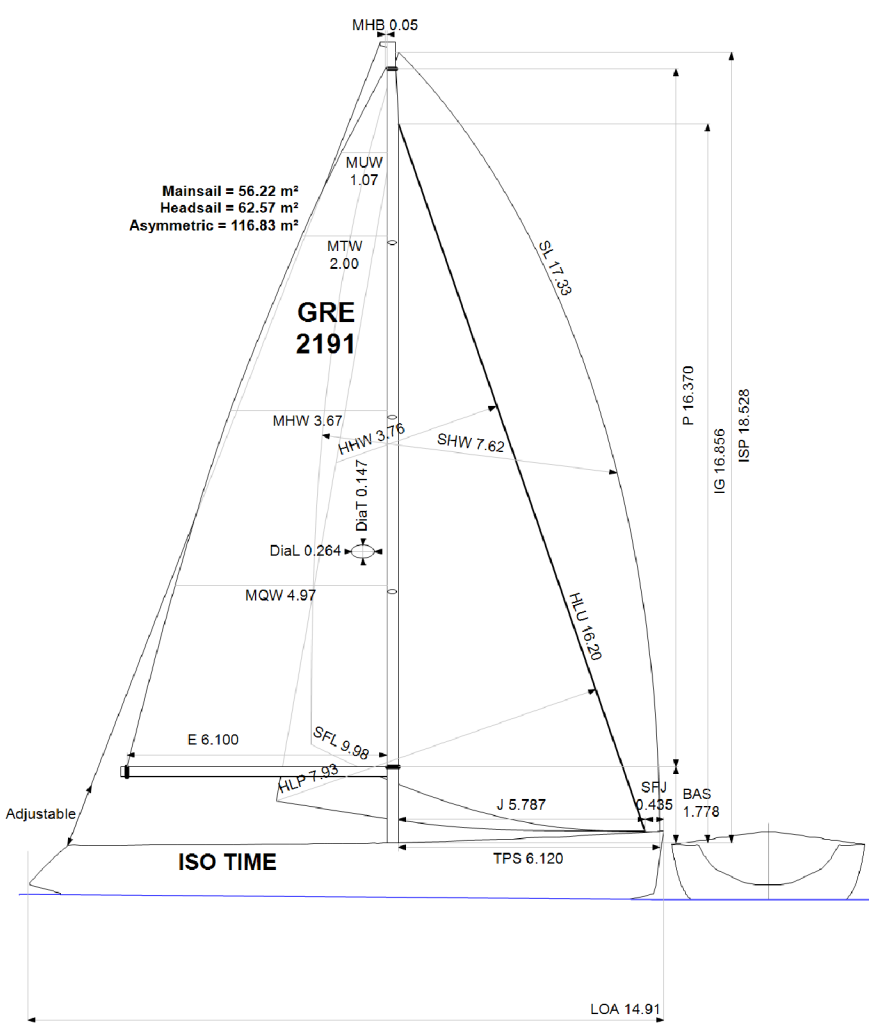




Club Certificate
2025

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Offshore Committee
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Ομοσπονδίας



APH ToD: **504.9** CDL: **12.016**
APH ToT: **1.1884** CertNo: 02300

BOAT
Class: GRAND SOLEIL 50
Designer: JUDELVROELIJK
Builder: CANTIERE DEL PARDO
Age date: 01/2006
Series date: 01/2002
Offset file: GS50SDCL.OFF
Data file: GR2191

HULL
Length Overall: 14.915 m
Maximum Beam: 4.528 m
Draft: 2.329 m
Displacement: 13.080 kg
DLR: 5.6996
IMS Division: Cruiser/Racer
Dynamic Allowance: 0.350%
Age Allowance: 0.487%

PROPELLER
Installation: Strut
Type: Folding 3 blades
Diameter: 0.400m

CREW
Maximum weight: 600 kg (declared)
Minimum weight: 470 kg * when applied
Non Manual Power: Yes
Crew Arm Extension:

SAIL AREAS (m²)

	Measured	Rated
Mainsail	56.22	57.11
Headsail Luffed	62.57	62.57
Headsail Flying		
Symmetric		
Asymmetric	116.83	128.06
(1 asymmetric(s) with SHW/SFL < 85%)		

STORM SAIL AREAS (m²)
Trysail: 17.48
Storm Jib: 14.47
Heavy Weather Jib: 39.06

SAIL LIMITS
Headsails: 7 * Woven polyester sails
Spinnakers: 5

STABILITY
Righting Moment: N/A
Stability Index: N/A

COMMENTS
Builder's displacement:
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	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat VMG	1415.6	1007.2	811.6	706.3	647.1	619.4	605.9	595.3	596.8
52°	890.6	648.4	535.7	477.0	446.7	431.9	425.4	419.7	418.5
60°	824.7	609.0	511.0	460.3	434.1	420.4	413.3	407.3	405.0
75°	782.9	583.7	494.9	449.0	424.7	410.0	399.7	388.7	383.0
90°	796.6	582.3	484.0	436.0	412.8	399.1	390.5	374.6	363.0
110°	819.8	595.3	490.1	435.0	407.6	388.4	372.4	350.8	333.8
120°	865.9	619.5	502.7	443.1	412.6	391.7	373.3	341.7	317.8
135°	990.2	696.6	554.2	476.7	433.1	407.6	387.5	351.7	316.2
150°	1206.3	832.0	648.0	543.8	479.0	439.2	415.1	380.7	350.1
Run VMG	1392.9	960.7	748.2	627.9	553.1	506.0	473.8	429.0	396.9
Selected Courses									
Windward / Leeward	1403.7	984.0	779.9	667.1	600.1	562.7	539.9	512.1	496.8
All purpose	1050.2	748.5	604.1	526.4	482.8	458.2	442.2	421.3	407.3

Single Number Scoring Options

Course	Time On Distance	Time On Time
Windward / Leeward	632.8	0.9482
All purpose	504.9	1.1884

Custom scoring options for Greece

Scoring Option	Time On Distance	Time On Time
Coastal/Long Distance	553.1	1.0848
Triple Number Coastal/Long Distance Low	676.4	0.8871
Triple Number Coastal/Long Distance Medium	501.3	1.1969
Triple Number Coastal/Long Distance High	438.3	1.3688
Triple Number Windward/Leeward Low	882.0	0.6803
Triple Number Windward/Leeward Medium	628.1	0.9553
Triple Number Windward/Leeward High	535.2	1.1211

Performance Curve	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Coastal/Long Distance	1495.6	981.7	731.2	597.3	517.2	476.0	446.7	402.6	387.7

- 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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Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	GRAND SOLEIL 50	LOA	14.915	VCGD	0.383
Measurement	08/02/2025	Max. Beam	4.528	VCGM	0.211
HIN		Draft	2.329	RM Rated (kg-m)	400.3
Plan review		Displacement	13,080	Limit of positive stability(°)	N/A
Hull construction	Solid	Wetted area	44.78	Stability Index	N/A
Carbon rudder	No	IMS L	13.382	Default crew weight	1,022
Light stanchions	No	LSM0	13.189	Declared crew weight	600
Trim tab	No	Acc. length	14.716		
		Sink (kg/mm)	35.64		

PROPELLER

Propeller Type	Folding 3 blades		
Installation	Strut	PRD	0.400
Twin screw	No	PSW	0.110
Hydro generator	No	PIPA	0.0006
		EDL	ST3
		ST1	ST4
		ST2	ST5

RIG

Forestay tension	Att	P	16.370	E	6.100
Inner stay	None	Fitted		J	5.787
Mast material	Aluminum	IG	16.856	BAS	1.778
Single headsail furler	No	MDT1	0.147	FSD	0.049
Mainsail furler	No	MDL1	0.264	SFJ	0.435
Articulated bowsprit	No	MDT2	0.147	SPL	
Non-circular rigging	No	MDL2	0.206	WPL	
Fiber rigging	No	TL	1.300	TPS	6.120
Adjustable mast foot	No	MW	0.264	BD	0.223
Running backstays	0	GO	0.316	MWT	
Checkstays	0			MCG	
Spreaders	3				
Rotating mast	No				

FLOTATION AND STABILITY
Calculation method: RM estimated
Flotation Date: 01/01/2013

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MAINSAIL

Id	MHB	MUW	MTW	MHW	MQW	Area	Meas.Date	Comment
M1	0.05	1.07	2.00	3.67	4.97	56.22	21/01/2025	

HEADSAIL

Id	HNB	HUW	HTW	HHW	HQW	HLP	HLU	Btn	Flying FT	Area	Meas.Date	Comment
G1	0.09	0.89	1.83	3.76	5.84	7.93	16.20	No	No	62.57	21/01/2025	
G2	0.11	0.82	1.61	3.29	5.16	7.06	16.36	No	No	55.93	21/01/2025	
SJ				1.61		3.17	9.85	No	No	15.88	18/03/2025	

ASYMMETRIC SPINNAKER

Id	SLU	SLE	SL	SHW	SFL	Ratio	Area	Meas.Date	Comment
C0	18.40	16.25	17.33	7.62	9.98	76%	116.83	18/03/2025	

CRUISER/RACER REQUIREMENTS*

Accommodation length	14.7 m	Table area	0.66 m ²	Headroom	1.90 m
Minimum number of berths	6	Personal gear stowage	0.24 m ³	Fresh water capacity	261 l
Minimum number of seats in cockpit	6	Food stowage	0.36 m ³	Fuel capacity	144 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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