

BOAT		GPH		HULL					
Name Fado Sail Nr SLO 1414		624.1		Length Overall 11.300m					
				Maximum Beam 3.578m					
				Displacement 6,664kg					
				Draft 2.336m					
				Plan Review					
				IMS Reg. Division Cruiser/Racer					
				Dynamic Allowance 0.315%					
				Hull Construction Solid					
				Carbon Rudder No					
				Crew Arm Extension					
				IMSL	10.437m	VCGD	0.082m	Sink	21.43kg/mm
				RL	9.075m	VCGM	0.108m	WS	28.53m²
				LSM0	10.469m	Displacement/Length ratio		5.8079	
GENERAL									
Class Salona 37 RK									
Designer Jakopin									
Builder AD Boats									
Series 10/2005									
Age 04/2006									
Age Allowance 0.487%									
Offset File SAL37RK.OFF - 07/02/2006 11:06:36									
Measurement by - 22/06/2017									



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	605.0			673.3		
Time on Time	0.9918			1.0025		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	722.3	550.9	488.8	934.1	678.9	582.2
Time on Time	0.9345	1.2252	1.3810	0.7226	0.9942	1.1594

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1038.1	860.8	757.5	700.9	680.2	671.2	670.1
52°	681.7	576.6	519.0	495.1	485.5	481.4	479.0
60°	645.6	550.1	504.2	483.9	473.5	468.9	465.6
75°	619.4	531.1	493.6	474.4	461.0	451.1	442.3
90°	627.5	532.7	490.5	468.9	456.6	442.1	419.5
110°	650.6	535.6	486.3	462.1	441.4	423.0	403.3
120°	672.9	551.8	493.4	466.8	445.8	424.5	387.8
135°	749.2	608.7	525.6	485.4	462.6	441.6	399.4
150°	889.9	701.6	593.2	522.9	486.2	464.5	424.5
Run VMG	1027.6	810.1	684.2	598.8	539.2	497.2	453.6

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Number **I05/20**
ORC Ref **03090000P2C**
Issued On **26/08/2020**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 735kg
Maximum **735kg**
Minimum* **551kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	649.6	0.9236
Non Spin OSN	629.0	0.9539

Selected Courses							
Windward / Leeward	1032.9	835.5	720.9	649.9	609.7	584.2	561.9
Circular Random	864.9	696.1	605.1	552.0	519.4	498.5	473.8
Coastal / Long Distance	1032.3	785.2	649.2	568.0	528.3	498.6	452.1
Non Spinnaker	911.4	728.8	629.2	570.4	534.2	510.9	482.9

Sails Limitations

Headsails	Spinnakers
5	4

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42.4°	40.5°	40.1°	39.0°	37.9°	37.5°	37.5°
Beat VMG	3.47	4.18	4.75	5.14	5.29	5.36	5.37
52°	5.28	6.24	6.94	7.27	7.42	7.48	7.52
60°	5.58	6.54	7.14	7.44	7.60	7.68	7.73
75°	5.81	6.78	7.29	7.59	7.81	7.98	8.14
90°	5.74	6.76	7.34	7.68	7.88	8.14	8.58
110°	5.53	6.72	7.40	7.79	8.16	8.51	8.93
120°	5.35	6.52	7.30	7.71	8.08	8.48	9.28
135°	4.81	5.91	6.85	7.42	7.78	8.15	9.01
150°	4.05	5.13	6.07	6.89	7.40	7.75	8.48
Run VMG	3.50	4.44	5.26	6.01	6.68	7.24	7.94
Gybe Angles	145.0°	150.0°	152.0°	155.5°	172.0°	180.0°	180.0°

Class Division Length

CDL = **9.751**

Storm Sails Areas

Heavy Weather Jib **28.81**
Storm Jib (JL=9.50) **10.67**
Storm Trysail **12.81**

Owner

BOAT	
Name Fado	Sail Nr SLO 1414
File SLO1414	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast No	Jib Furler No
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	
P 13.805	E 5.300 MDT1 0.090 MW 0.180
IG 14.530	J 3.810 MDL1 0.180 GO 0.200
ISP 14.726	SFJ 0.350 MDT2 0.090 BD 0.160
BAS 1.690	SPL 3.820 MDL2 0.160 MWT 170.00
FSD 0.035	TPS TL 0.800 MCG 5.100

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 22/06/2017		SG 1.0250
FFM 1.365	FF 1.359	SFFP 0.300
FAM 1.090	FA 1.104	SAFP 10.260
W1 81.0	PD1 533.4	WD 12.600
W2 81.0	PD2 539.0	GSA 1.0
W3 81.0	PD3 531.7	RSA 1.0
W4 81.0	PD4 536.2	PLM 9000.0
LCF from stem on CL / on sheer		6.291 / 6.513
Maximum beam station from stem		7.100
RM Measured		150.2kg-m
RM Default		156.7kg-m
Limit of positive stability / Stab.Index		113.2° / 116.7
Freeboard at mast at 4.160		1.196



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.420	
Type Folding 2 blades	PBW	
Twin Screw No	PIPA 0.0033	
ST1 0.048	ST3 0.180	ST5 0.250
ST2 0.180	ST4 0.104	EDL 2.110

Certificate	
Number I05/20	
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Issued On 26/08/2020	
VPP Ver. 2020 1.02	
Valid until 31/12/2020	

COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.18	0.96	1.73	3.10	4.15	40.46	41.03	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	14.30	14.30	14.30	6.54	6.97	78.96		SL · (SFL + 4·SHW) / 6	
Asymmetric									
Not Available									

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Flying	Meas.Date	Material	Comment
0.06	0.62	1.25	2.53	3.86	5.27	14.22	36.67		No	21/04/2018	Dacron	
0.07	0.53	1.05	2.07	3.07	3.98	14.21	29.05	Y	No	18/06/2017	Carbon	

MEASUREMENT INVENTORY				
Measurer FIV85				
Date 22/06/2017				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	Yanmar	3YM30 20.1	
Id	Item	Weight Description		

MEASUREMENT INVENTORY						
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG Condtn Description
2	Tank gorivo		plasticni	120.0	9.30	110.0 desno
3	Tank holding		plasticni	40.0	4.00	30.0 lijevo
1	Tank voda		plasticni	160.0	9.30	0.0 lijevo
Id	Item	Weight	Distance	VCG Description		
2	Battery	20.0	5.70	startna 80 AH		
3	Battery	40.0	6.30	servisna80 AH desno		
1	Battery	40.0	6.00	servisna80 AH desno		

