



Yacht's Name

Elghi II

National Letters & Sail Number

**GBR 74** 

Fleet

**OPEN** 

Designer

F. Camatte

Design Year 1952

Builder

Attilio Chiesa & fils

Build Year 1952

**Owner** 

Esben Poulsson

World Sailing Building Plaque no.

(If built after 1 Jan 1991)

n/a

#### **RATING CERTIFICATION**

This yacht has been measured by the measurer(s) noted below, who is(are) approved by the yacht's National Measuring Authority (NMA) or by ISMA, to certify that it has been found to rate not more than 6.000:

Dated (certification start date)

23/08/2023

Measured by

**Andrew Yates** 

On Behalf of NMA

Royal Yachting Association

Valid until

22/08/2027

Supercedes

01/01/2019

Place & Time of Measurements

Bembridge Harbour - 18:00 / 23 August 2023

Conditions at Flotation (wind, water & temp 5 knots / calm water

SG (specific gravity) of Water at Flotation 1.021

kg/m<sup>3</sup>

Any correction applied to flotation/freeboards due to conditions (mm 2

(Salt Water 1.025 kg/m³ & Immersion in salt/fresh water = 0.012m)

Loadcell details/calibration

Weight from DSC Certificate with Corrections

Stamp of NMA (or ISMA):



NMA (or ISMA) signature:

6mR	Elghi II	GBR 74	23/08/20	23 Page 2
RATING CALCULATION				
OVERALL LENGTH				10.417 <b>10.417</b>
Overhang Forward to L1			1.356	
Overhang Aft to L1			1.336	
Total Overhang (Subtract)			2.692	
MEASURED LENGTH (L1 to L1)				7.725
Girth at Bow			0.808	
Twice vertical Height at Bow (	Subtract)		0.600	
O at Bow			0.208	
Add 11/2 O at Bow (min 0.270 m)				0.312
Girth at Stern			1.935	
Twice vertical Height at Stern	(Subtract)		1.152	
O at Stern			0.783	
Add 1/3 O at Stern (min 0.200 m)				0.261
Add any penalty at O2 (see Rul	e 3. Length - only	for boats after	1 Nov 1970)	0.000
Add any Beam and/or Displace	ement Penalty			0.000
CORRECT LENGTH L (Sum of L1 L	ength and O E	Bow/Stern Gi	rth Corrections)	8.298
Skin d to d1 Port			1.055	
Chain d to d1 Port			1.050	
d Port			0.005	0.005
Skin d to d1 Starboard			1.050	
Chain d to d1 Starboard			1.044	
d Starboard			0.006	0.006
Add d				0.011
GIRTH MIDSHIP DIFFERENCES (2	d)			0.022
RATED LENGTH (Sum of Correct	Length and M	idship Girth I	Differences 2d)	8.320
(Calc. only nec. for boats af	ter 1 Nov 1970)	Actual	Calc.	
Mean Freeboard Bow O		0.828	0.828	
Mean Freeboard Midship d		0.689	0.689	
Mean Freeboard Stern O		0.666	0.666	
Sum of Freeboards		Ļ	2.183	
Classic Immersion Marks d Fre	eeboard (only fo	r Classic Append	dix A boats) n/a	
Subtract F, 1/3 FREEBOARD (max	0.730)		0.727	0.727 7.593
Add Square root of TOTAL RATE	D SAIL AREA			6.629
TOTAL OF MEASUREMENTS				14.222
Add any Tumblehome and/or	Draught Penalt	ty		0.000 14.222
RATING Calculation - Total o	f Measuremei	nts (max 14.2	22)/2.37 (= not mo	re than 6.000) 6.000

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PENALTIES						
Overhang Forward to L (LWL)				1.596	1	
Overhang Aft to L (LWL)				1.640		
Subtract from overall length					3.236	
Add any increase to Aft L loca	tion due to Proi	iections No	tches or Holl	lows	0.000	
(see Measurement Instructions M18						(c)
WATERLINE LENGTH (LWL)	a 14120, melading 1	or radact haps	catchaing art	rurcher than CE of	Truduel Stock ax	7.181
Minimum Displacement for Ze	ro Penalty [m³.	1 (O 2*I W/I ±	0 15\ <sup>3</sup>		3.989	7.101
				3		
Minimum Weight for Zero Per DISPLACEMENT					4.088	4.422
Equivalent LWL for Zero Penal				ctual includin		4.132
Difference	ty ((weight/1.0	25) ۷-0.15)/	J.2)		7.205	
DISPLACEMENT PENALTY (add	d 2v to 1 \				0.000	0.000
BEAM (minimum beam at ½ of mids	1.5				1.830	0.000
Actual beam at ½ of midship f					1.841	
Difference (if positive)	cesoura				0.000	
BEAM PENALTY (add 4x to L,	only for vachts	laid down a	fter Sent 19	<b>37</b> )	0.000	0.000
TUMBLEHOME (max 2x 2% of Extre		idid down d	itel Sept 13	37)	0.072	0.000
Extreme Beam					1.844	
Beam at deck					1.832	
Difference (if positive)					0.000	
TUMBLEHOME PENALTY (add	3x excess to Ra	ating)				0.000
<b>DRAUGHT</b> (actual at deepest point)			pan not to	exceed 1830m	1.648	
Maximum Draught for Zero Pe	nalty (0.16*LW	/L+0.5)			1.648	
Difference (if positive)					0.000	
DRAUGHT PENALTY (add 3x e	xcess to Rating	)				0.000
SAIL PLAN	_					(max 9.750m)
Maximum Height of Sail Plan (max 13.0	000m above datum	12.994	J	3.670	· <u>1</u>	9.728
Boom Height (min 400 to 1100mm from	datum)	0.928	Α	12.066	В	4.770
Foretraingle area (max (J or spin boom)x	1/2)	17.850		Rated Mains	ail Area (AxB/2)	
Rated Foretriangle Area (85% of measu	_	15.172		Total Rated S		43.949
	,				٧S	6.629
Spinnaker boom (length in extension to	outer end from fwd fa	ace of the mast)	3.670	110% J	4.037	
Sail Limits						
Mainsail	/lax girth at 1/2 hei	ight (MHW 67%	3.195	Max girth at 3/4	height (MTW 39	1.860
Genoa	Max foot length	(HFL J + 3.000r	6.670			
Spinnaker Max luff SLU/leech SI	.E length (80% of √	J+VI +2.500m)	10.817	Max foot bread	dth (SFL 250% J)	9.175
SPARS MEASUREMENTS	_			,		
MAST CG from datum point (90mm above		0.000	Mast Weigh	nt (min 63.51kg)	0	Material
(CG position min 4.940m above datur	n)	Deck	1/2 Height	Forestay (min	Head	Aluminium
	_	(min 132.7cm <sup>2</sup> )	(min 147.4cm <sup>2</sup> )	95cm²)	(min 37.4cm <sup>2</sup> )	Aluminum
MAST dimensions [mm]		122x164	122x164	122x164	070x087	
MAST sectional area [cm²]	<u> </u>	165	165	165	50	Builder & Yr
MAST section ratio [max 1.35]	L	1.344	1.344	1.344	1.243	Unknown
DECK MEASUREMENTS	, <del>.</del>	Length	Aft width	Fwd width		Distance to sheer
Cockpit dimensions fwd (max 2.700m² &	(or single) cockp	0.000	0.000	0.000	0.000	0 2
(max 2.700m <sup>-</sup> & sheer distance min 200mm)	fwd keyhole aft keyhole	0.000	0.000	0.000	0.000	Total Area m <sup>2</sup>
Hatch dimensions (max 0.400m <sup>2</sup> & sheer m		0.000	0.000	0.000	0.000 <b>0.000</b>	0.000 Distance to sheer
a a (max o. toom & sheet if		5.000	0.000	0.000	0.000	0

(include as many details as possible & all comments on measurements and/or conditions)

Bow Referance Height @ 1.025 from stainless bow plate

923 mm

Stern Freeboard @ 1.025 from hull to transom intersection

454 mm

Anchor & Chain (14kg) + Weighted Rope (10kg) - Stored under floor by helm seat

Ballast - 12kg & 6kg Blocks under floor midships (By primary winches)

Battery 1 - 7kg by Rudder Stock

Battery 2 - 7kg By Mast

Additional Weight from DSV Weighing

6kg Ballast
2 x Batteries - 14kg
Electronics - 4kg
Winch & Chainplate upgrades 10kg
Total - 34kg



Yacht's Name	Aida			ISAF N°	
National letters and Sail Number	ESP-59		Club	Club Nautic	o la Penela
Designer	Bjorne Aas	•		Design year	1936
Builder	Bjorne Aas	•••••		ilding Year	1936
Owner	Juan Carlo	s Escotet		<u> </u>	
Owner's Address	Juan Jun				
owner a Address					
Lloyds R class certificate (Number or	Date)	Norske Verita	is		
	ING CERTIFIC			Salt Water 1	•
This yacht has been measured by measurer(s	s) approved by this				
than 6.000 metres or 6.03m if in fresh water		Immersi	on salt/fresh	water = [m]	0,012
This certificate is dated	22.04.22		Sanxexo		
and its validity confirmed by	G.R.Perrin				
for	<b>Swiss Sailing</b>				
Valid until	21-Apr-26				
Supersedes	20-Apr-18		(enter former	certif. number of	or date)
Signature Signature	· ·				mm
Signature Signature		Sta	mp of Autho Firmac	ity no por B	ONILLA
			PAZ RA	AFAEL JU	AN -
Comments :			***560		<b>)</b> ()
				/2024 CO	
			23/05/	2021 00	11 011
OVERALL LENGTH					11,400
Overhang Forward to L1				1,599	,
Overhang Aft to L1				2,058	
Total Overhang (Substract)				3,657	
MEASURED LENGTH (L1 L1)					7,743
Girth at Bow				0,803	
Twice vertical Heigth at Bow (Subs O at Bow	tract)			0,600	
Add 1 1/2 O at Bow (min 0.270 m)				0,203 <b>0,305</b>	
Girth at Stern				2,043	
Twice vertical Heigth at Stern (Sub	stract)			1,260	
O at Stern	,			0,783	
Add 1/3 O at Stern (min 0.200 m)				0,261	
Add any penalty (Displ. & Beam)				0,000	
CORRECT LENGTH L				4 700	8,309
Skin d to d1 Port Chain d to d1 Port				1,706 1,704	
d Port				0,002	
Skin d to d1 Starboard				1,704	
Chain d to d1 Starboard				1,702	
d Starboard				0,002	
Add d				0,004	
Add GIRTH 2 d			0.040		0,008
Mean Freeboard Bow O		Actual Actual	0,840	0,804	
Mean Freeboard Midship d Mean Freeboard Stern O		Actual	0,670 0,720	0,670 0,720	
Sum of Freeboards		Actual	0,720	2,194	
Substract FREEBOARD, F (max 0.730	if build after 19	934)		2,107	0,730
Add SAIL AREAS (Square root)		,			6,633
TOTAL OF MEASUREMENTS					14,220
PENALTY (Draught)				0,000	
RATING					6,00

Overhang Forward to L Substract from overall length Difference of imersion from salt to fresch water [m] Appendix A delta  WATERLINE LENGTH Minimum Displacement for Zero Penalty [m3] Minimum Weight for Zero Penalty [ton] (Water of sg 1.025)  DISPLACEMENT Equivalent LWL (for Displ. < min.) DISPLACEMENT (by weighing) Equivalent LWL (for Displ. < min.) DISPLACEMENT (add to L)  DRAUGHT (actual) Max. Draught for Zero Penalty 1,660 DRAUGHT penalty (add to Rating)  BEAM (Min) Max Beam at 1/3 of Midship Freeboard BEAM PENALTY (add to L, for yacht build or designed after sept 1937) Tumblehome Max. (2 x 2% of Extr. Beam)  Overhang Aft to L 2,291 4,151 0,012  A,151  T,249  T,2
Substract from overall length Difference of imersion from salt to fresch water [m] Appendix A delta  WATERLINE LENGTH Minimum Displacement for Zero Penalty [m3] Minimum Weight for Zero Penalty [ton] (Water of sg 1.025)  DISPLACEMENT Equivalent LWL (for Displ. < min.) DISPLACEMENT (by weighing) Equivalent LWL (for Displ. < min.) DISPLACEMENT PENALTY (add to L)  DRAUGHT (actual) Max. Draught for Zero Penalty DRAUGHT PENALTY (add to Rating)  BEAM (Min) Max Beam at 1/3 of Midship Freeboard BEAM PENALTY (add to L, for yacht build or designed after sept 1937) Tumblehome Max. (2 x 2% of Extr. Beam)  Tunblehome Max. (2 x 2% of Extr. Beam)
Difference of imersion from salt to fresch water [m] Appendix A delta  WATERLINE LENGTH  Minimum Displacement for Zero Penalty [m3] Minimum Weight for Zero Penalty [ton] (Water of sg 1.025)  DISPLACEMENT Equivalent LWL (for Displ. < min.) 7,253 DISPLACEMENT PENALTY (add to L)  DRAUGHT (actual) Max. Draught for Zero Penalty 1,660 DRAUGHT PENALTY (add to Rating)  BEAM (Min)  Max Beam at 1/3 of Midship Freeboard 1,845 Difference (if positive) BEAM PENALTY (add to L, for yacht build or designed after sept 1937) Tumblehome Max. (2 x 2% of Extr. Beam)  7,249  7,249  4,094 4,197  1,603  1,600  0,000  1,610  1,610  1,610  0,000  0,000  0,000  0,000  0,000  0,000  0,000
Appendix A delta  WATERLINE LENGTH  Minimum Displacement for Zero Penalty [m3] Minimum Weight for Zero Penalty [ton] (Water of sg 1.025)  DISPLACEMENT Equivalent LWL (for Displ. < min.) 7,253 DISPLACEMENT PENALTY (add to L)  DRAUGHT (actual) Max. Draught for Zero Penalty 1,660 DRAUGHT PENALTY (add to Rating)  BEAM (Min)  Max Beam at 1/3 of Midship Freeboard 1,845 Difference (if positive) BEAM PENALTY (add to L, for yacht build or designed after sept 1937) Tumblehome Max. (2 x 2% of Extr. Beam)  7,249  7,249  7,249  7,249  1,000  1,000  1,000  1,600  1,610  1,610  0,000  1,830  0,000  0,000
WATERLINE LENGTH  Minimum Displacement for Zero Penalty [m3] Minimum Weight for Zero Penalty [ton] (Water of sg 1.025)  DISPLACEMENT Equivalent LWL (for Displ. < min.) 7,253 DISPLACEMENT PENALTY (add to L)  DRAUGHT (actual) Max. Draught for Zero Penalty 1,660 DRAUGHT PENALTY (add to Rating)  BEAM (Min) Max Beam at 1/3 of Midship Freeboard 1,845 Difference (if positive) BEAM PENALTY (add to L, for yacht build or designed after sept 1937) Tumblehome Max. (2 x 2% of Extr. Beam)  7,249  7,249  7,249  7,249  7,249  7,249  1,000  1,000  1,803  0,000  0,000  0,000  0,000
Minimum Weight for Zero Penalty [ton] (Water of sg 1.025)  DISPLACEMENT (by weighing) Equivalent LWL (for Displ. < min.) 7,253 DISPLACEMENT PENALTY (add to L)  DRAUGHT (actual) Max. Draught for Zero Penalty 1,660 DRAUGHT PENALTY (add to Rating)  BEAM (Min) Max Beam at 1/3 of Midship Freeboard 1,845 Difference (if positive) BEAM PENALTY (add to L, for yacht build or designed after sept 1937) Tumblehome Max. (2 x 2% of Extr. Beam)  4,203  4,203  0,000  1,610 0,000  1,610 0,000 0,000 0,000 0,000
DISPLACEMENT  Equivalent LWL (for Displ. < min.) 7,253  DISPLACEMENT PENALTY (add to L)  DRAUGHT (actual)  Max. Draught for Zero Penalty 1,660  DRAUGHT PENALTY (add to Rating)  BEAM (Min)  Max Beam at 1/3 of Midship Freeboard 1,845  BEAM PENALTY (add to L, for yacht build or designed after sept 1937)  Tumblehome Max. (2 x 2% of Extr. Beam)  4,203  4,203  4,203  4,203  0,000  1,610  0,000  1,610  1,610  1,830  0,000  1,830  0,000
Equivalent LWL (for Displ. < min.) 7,253 Difference DISPLACEMENT PENALTY (add to L) 0,000  DRAUGHT (actual) Max. Draught for Zero Penalty 1,660 Difference (if positive) DRAUGHT PENALTY (add to Rating) 0,000  BEAM (Min) Max Beam at 1/3 of Midship Freeboard 1,845 Difference (if positive) BEAM PENALTY (add to L, for yacht build or designed after sept 1937) Tumblehome Max. (2 x 2% of Extr. Beam) 0,074
DISPLACEMENT PENALTY (add to L)  DRAUGHT (actual)  Max. Draught for Zero Penalty  DRAUGHT PENALTY (add to Rating)  BEAM (Min)  Max Beam at 1/3 of Midship Freeboard  BEAM PENALTY (add to L, for yacht build or designed after sept 1937)  Tumblehome Max. (2 x 2% of Extr. Beam)  O,000  O,000  O,000  O,000  O,000  O,000  O,000  O,000
Max. Draught for Zero Penalty 1,660 Difference (if positive) DRAUGHT PENALTY (add to Rating) 0,000  BEAM (Min) 1,830  Max Beam at 1/3 of Midship Freeboard 1,845 Difference (if positive) BEAM PENALTY (add to L, for yacht build or designed after sept 1937) Tumblehome Max. (2 x 2% of Extr. Beam) 0,074
DRAUGHT PENALTY (add to Rating)  BEAM (Min)  Max Beam at 1/3 of Midship Freeboard  BEAM PENALTY (add to L, for yacht build or designed after sept 1937)  Tumblehome Max. (2 x 2% of Extr. Beam)  O,000  0,000
BEAM (Min)  Max Beam at 1/3 of Midship Freeboard  BEAM PENALTY (add to L, for yacht build or designed after sept 1937)  Tumblehome Max. (2 x 2% of Extr. Beam)  1,830  1,830  0,000  0,000
Max Beam at 1/3 of Midship Freeboard 1,845 Difference (if positive)  BEAM PENALTY (add to L, for yacht build or designed after sept 1937)  Tumblehome Max. (2 x 2% of Extr. Beam)  0,074
BEAM PENALTY (add to L, for yacht build or designed after sept 1937)  Tumblehome Max. (2 x 2% of Extr. Beam)  0,000
Future De
Extreme Beam 1,845 Beam at deck 1,845 Difference (if positive)
TUMBLEHOME PENALTY (add to Rating)
SAIL PLAN
Max Height of Sail Plan (Max 13.00m)
Boom Heigth = 0,750 <b>A=</b> 12,250 <b>B=</b> 4,850
Rated Foretriangle Area 14,296 Rated Mainsail Area 29,706
TOTAL RATED SAIL AREA 44,002 SQRT(S) 6,633 110% J 3,795
SAIL LIMITS
Mainsail: max girth at 1/2 height 67% 3,250 Max girth at 3/4 height 39% 1,892
Genua: max. foot length $(J + 3m)$ $6,450$ Spi boom = $3,450$
Spinnaker: max. luff length 10,774 foot max breadth (250% J) 8,625
SPARS MEASUREMENTS
MAST CG position (from meas. point)  Mast Weight  Material  0,00
Deck Half-Height Jib-Halyard Head Builder
Mast dimensions [mm] 0,000
Mast section area [cm²]
Mast section ratio (Max 1.35)
DECK MEASUREMENTS
Length Aft width Front width Area Dist. to sheerline
Cockpit dimensions (max 2.70m2) 0,000 0,000 0,000 0,000
Hatch dimensions (max 0.4 m2)
Length Width Depth Spi boom recess on deck
Date and place of Measurement 22.04.2022 Sanxexo
Measurer's Name(s) G.R.Perrin
Measurer recognised by : (enter National Authority) Swiss Sailing Measurer's signature







Yacht's Name Alibaba II

CLASSIC National Letters & Sail Number ESP 50 Fleet

Designer Tore Holm Design Year 1948 **Build Year** Builder AB Tore Holm Yacht arv 1948

World Sailing Building Plaque no. Owner Miguel Lago

(If built after 1 Jan 1991)

#### RATING CERTIFICATION

This yacht has been measured by the measurer(s) noted below, who is(are) approved by the yacht's Member National Authority (MNA) or by ISMA, to certify that it has been found to rate not more than 6.000:

07/09/2024 Dated (certification start date)

Measured by Antonio Cardona

On behalf of MNA RFFV Valid until 06/09/2028 Supersedes 08/04/2023

Place of measurements & flotation Sanxenxo

Conditions at location of flotation O knots with flat water at 15°C (Include details of wind & water conditions, air temperature & the time of day) SG (specific gravity) of water at flotation 1,022 kg/m³

Any correction applied to flotation/freeboards due to conditions (mm)

(Salt Water 1.025 kg/m $^3$  & Immersion in salt/fresh water = 0.012m)

Loadcell details/calibration gram c5 , last calibration 27-08-24

Stamp of MNA (or ISMA): MNA (or ISMA) signature:

Firmado por BONILLA PAZ RAFAEL JUAN -\*\*\*5607\*\* el día 24/09/2024 con un

certificado emitido

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RATING CALCULATION				
OVERALL LENGTH  Overhang Forward to L1  Overhang Aft to L1  Total Overhang (Subtract)			1,287 2,030 3,317	10,843 10,843
MEASURED LENGTH (L1 to L1	)			7,526
Girth at Bow Twice vertical Height at Bo O at Bow (min 0.180 m) Add 11/2 O at Bow (min 0.27 Girth at Stern Twice vertical Height at St O at Stern Add 1/3 O at Stern (min 0.20 Add any penalty at O2 (see Add any Beam and/or Disg	om) ern (Subtract) om) e Rule 3. Length - c		0,809 0,600 0,209 2,059 1,190 0,869	0,313 0,289 0,000 0,000
CORRECT LENGTH L (Sum of I	.1 Length and (	D Bow/Steri	n Girth Corrections)	8,128
Skin d to d1 Port Chain d to d1 Port d Port Skin d to d1 Starboard Chain d to d1 Starboard d Starboard Add d			1,800 1,794 0,006 1,801 1,795 0,006	0,006 0,006 0,012
GIRTH MIDSHIP DIFFERENCES	S (2d)			0,024
RATED LENGTH (Sum of Corre	ect Length and	Midship Gi	rth Differences 2d)	8,152
(Calc. only nec. for boats a Mean Freeboard Bow O Mean Freeboard Midship Mean Freeboard Stern O Sum of Freeboards Classic Immersion Marks o	d	0,864 0,731 0,685	Calc.  0,864  0,731  0,685  2,280  pendix A boats) n/a	
Subtract F, 1/3 FREEBOARD (m	ax 0.730)		0,760	0,730 7,422
Add Square root of TOTAL RA	ATED SAIL AREA	I		6,799
TOTAL OF MEASUREMENTS	(max 14.222)			14,221
RATING Calculation (Total	of Measureme	ents/2.37)		6,000
Tumblehome and/or Drau	ght Penalty (to b	e added to th	ne Rating)	0,000

FINAL RATING (not more than 6.000)

6,000

6mR	Alibaba II	ESP 50		07/09/2024		Page 3
PENALTIES						
Overhang Forward to L (LW	L)			1,492		
Overhang Aft to L (LWL)				2,218		
Subtract from overall length	h				3,710	10,843
Add any increase to L due t	o Projections, N	lotches or Ho	llows (Aft R5	& Fwd M18)	0,000	
(see Rule 5 Hollows, Measuremen	nt Instructions M18	8 & M20, also inc	clude rudder flap	s extending aft further	than CL of rudder	
WATERLINE LENGTH (LWL)						7,133
Minimum Displacement for				2	3,914	
Minimum Weight for Zero I			_		4,011	
DISPLACEMENT				ual including added		4,180
Equivalent LWL for Zero Per Difference	naity ((weignt/1	025)1-0.15),	/0.2)		7,235 0,000	
DISPLACEMENT PENALTY (	add 2v to I )				0,000	0,000
BEAM (minimum beam at ½ of m	-	d above LWL)			1,830	0,000
Actual beam at 1/3 of midshi		,			1,840	
Difference (if less than mini	mum allowed)				0,000	
BEAM PENALTY (add 4x to	L, only for yach	ts laid down	after Sept 19	37)		0,000
TUMBLEHOME (max 2x 2% of Ext	reme Beam)				0,072	
Extreme Beam					1,840	
Beam at deck		D.			1,785	
Difference (if greater than n					0,000	0.000
TUMBLEHOME PENALTY (a DRAUGHT (actual at deepest poin			snan not to e	vcaad 1830mm)	1,641	0,000
Maximum Draught for Zero			Span not to e	xceeu 1030iiiii)	1,641	
Difference (if greater than n					0,000	
DRAUGHT PENALTY (add 3						0,000
·		-				
SAIL PLAN Height of Sail Plan (may 13 000m a	hove doture.\	12.000		3 500		(max 9.750m)
Height of Sail Plan (max 13.000m a		13,000	J	3,500	I .	9,750
Boom Height (min. 400 to max. 1100r	=	0,900	Α	12,100	В	5,245
Foretraingle area (max (J or spin boo		17,062		Rated Mainsail A		31,732
Rated Foretriangle Area (85% of me	_	14,502	2.500	Total Rated Sail A		46,234
pinnaker boom (length in extension to o	outer end from fwd fa	ice of the mast)	3,500		٧S	6,799
Sail Limits						
Mainsail		2 height (MHW		Max girth at 3/4 heig	ght (MTW 39%)	2,045
Genoa		ngth (HFL J + 3.0				
Spinnaker Max luff SLU/lee	ch SLE length (80%	of vJ+vI +2.500r	n <b>10,787</b>	Max foot breadth	(SFL 250% J)	8,750
SPARS MEASUREMENTS						
MAST CG from datum point (90mm a	bove sheer)	4,940		tht (min 63.51kg)	63,75	Material
(CG position min 4.940m above d	latum)	Deck (min 132.7cm <sup>2</sup> )	1/2 Height (min 147.4cm <sup>2</sup> )	Forestay (min 95cm²)	Head (min 37.4cm <sup>2</sup> )	Aluminium
MAST dimensions [mm]	Г	129x161	127x161	127x158	076x110	
MAST sectional area [cm²]		171	169	165	69	Builder & Yr
MAST section ratio [max 1.35]		1,248	1,268	1,244	1,447	
DECK MEASUREMENTS	-	I a seath			Area m²	
	or single) cockpit	Length 1,595	Aft width 0,795	Fwd width 0,760	1,240	Distance to sheer 200mm
	wd keyhole	0,920	1,077	0,640	0,789	Total Area m <sup>2</sup>
sheer distance min 200mm) aft	_	0,866	0,920	0,630	0,671	2,700
	· –	0,500	0,500	0,500	0,250	Distance to sheer
Hatch dimensions (max 0.400m <sup>2</sup> & she	er min soommi					
Hatch dimensions (max 0.400m <sup>2</sup> & she	ei iiiii 300iiiii) [	0,500				300mm
Hatch dimensions (max 0.400m <sup>2</sup> & she	eer min soommi	0,500	.,,			300mm
Hatch dimensions (max 0.400m* & she	Alibaba II	ESP 50		07/09/2024		300mm Page 4
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# INTERNATIONAL SIX METRE CLASS 'CLASSIC'



Yacht's Name	Astrée III	Original name Astrée III			
National letters and Sail Number	FIN-80	Original Sail Number Z-46	Club NJK		
Designer	Bjarne Aas Båtbyg	geri, Fredrikstad, Norge			
Builder	Bjarne Aas, Fredrik	stad Norge B	uilding Year 1959		
Owner	Ossi Paija				
Owner's Address	Satamakatu 11B 36	i, 00160 Helsinki			
Lloyds R class certificate	(Number or Date)				

Owner's Address	Satamakatu 11B 36, 00160 Helsinki	
Lloyds R class certificate	(Number or Date)	
	CERTIFICATE of	RATING
This yacht has been measured by me	easurer(s) approved by Finnish Sailing an 6.000 metres.	d Boating Federation and has been found to rate not more than
		measured Kotka date 25.7.2019
This certificate is dated	1.9.2021	te team
and its validity confirmed by	Matti Muoniovaara	Heikki Hämäläinen., 6m class OM FIN-81
for (enter name of National Authority)	Finnish Sailing & Boating Federation	
Valid until	1.9.2025	
Supersedes (former cert. nr or date)	26.7.2019	IC AND PA
Signature	festrifunion	Stamp of Authorities
	Matti Muoniovaara, Chief keelboat mea	asurer FSBF
Comments:		AUTHORITY *
Immersion of "I": 0 millime	etres	

#### To be signed by the owner:

I undertake to race this Internationial 6 metre class yacht only so long as I maintain it in conformity with the Class Rules. I also undertake that the weight correctors (if any) will not be altered or removed except when done in conjunction with an official reweighing and that only sails, spars etc., which have been measured and found to be in accordance with the rules, will be used.

	DocuSigned by:			
Signature	Ossi Paya	Date:	9/3/2021	
	358FA711FB7746C			

#### **Reweighing Endorsement**

Date	Total Hull Weight (kg)	Corrector Weight (kg)	No. of Correctors, placed at	Name & Signature of Measurer
		-	•	name
24.11.2019	4288kg			

#### Issue of Rating Certificates

Date	Boat name	Sail-no	LI-LI	LWL	Weight	Sail area	Rating	Measurer
1.9.2021	Astrée III	FIN-80	7.779	7.260	4288kg	43.365	6.000	Matti Muoniovaara

Measurements	Interna	tional six	k metre c	lass yacht	Astrée III		FIN-80
OVERALL LENGTH							10.918
Overhang Forward to L1		1.388					
Overhang Aft to L1		1.751		Total Overhang (Subs	stract) 3.13	9	
MEASURED LENGTH (L1 L1	1)	0.040		Cirth at Ctarry	100		7.779
Girth at Bow 2x vertical Heigth at Bow (Sul	hstract)	0.810		Girth at Stern 2x vertical Heigth at S	1.96 ttern (Substract) 1.16		
O at Bow	bottabty	0.210		O at Stern	0.79		
Add 1 1/2 O at Bow (min 0.2	70)		0.315	Add 1/3 O at Stern (n		0.266	
Add any penalty (displ. and be	eam)					0.000	
Skin d to d1 Port		4 742		Older of the old Ottook account		<b>7</b> 1	8.360
Chain d to d1 Port		1.713		Skin d to d1 Starboard Chain d to d1 Starboa			
d Port		0.001		d Starboard	0.00		
Add d						0.002	
Add GIRTH 2 d							0.004
Mean Freeboard Bow O	Actual	0.828					
Mean Freeboard Midship d Mean Freeboard Stern O	Actual Actual	0.710 0.672		Sum of Freeboards	2.21	o	
Substract FREEBOARD, F (		0.072		Sum of Freeboards	2.21	0.737	0.730
Add SAIL AREAS (Square re						00.	6.585
TOTAL OF MEASUREMENT							14.219
Total of measurements divide	,	2.37					5.999578
PENALTY (draught and tumb) FINAL RATING	le nome)					0.000	6.000
TIMALIVATING			D/	TALAL TIES			0.000
				ENALTIES			
Overhang Forward to L	bow Δ L-L1	0.252	1.640		tract from overall length)	3.658	
Overhang Aft to L WATERLINE LENGTH	aft Δ L-L1 Actual	0.267	2.018	Differ. of immersion fro	om salt water to fresh	0.011 mitattu	7.260
DISPLACEMENT (by weight		eight (tons)	4.288	Minimum Weight for Z	ero Penalty (ton) (Water of		7.200
Displacement in m <sup>3</sup>	0,		4.183	sg 1.025ton/m <sup>3</sup> )	(		
Equivalent LWL (for Displ. < r	,		7.307		nt for Zero Penalty, m³	4.111	
Difference (eq. Lwl - actual Lw	vl) (if positive	e penalty)	-0.047	$=(0.2*LWL+0.15)^3$			
DRAUGHT (actual)			1.645	DISPLACEMENT PEN Difference (if positive		0.047	0.000
Max. Draught for Zero Penalty	v (0.16*LWL	+0.5)	1.662		(add 3x excess to Rating)	-0.017	0.000
BEAM (Min)		,	1.830	Difference (if positive		-0.040	0.000
Max Beam at 1/3 of Midship F	reeboard		1.870	BEAM PENALTY (add		-0.040	0.000
Tumblehome Max. (2% of Ext	tr. Beam)		0.037	Extreme Beam		1.870	
Measured Tumblehome			0.005	Beam at deck		1.860	
Difference (if positive penalty)	)		-0.032		LTY (add 3x excess to Ra	ating)	0.000
			S	AIL PLAN			
Mainsail luff length A =	11.975		oretriangle I (n			lan (max 13m) =	13.000
Mainsail boom length B =	4.938		etriangle J =	3.33		·001100mm) =	
Rated Mainsail Area SAIL LIMITS	29.566	Rated Fore	etriangle Area	13.79	Sail Area	a for Rating S =	43.365
Mainsail half width, MHW	3.308	67 %	Genua foo	t length HFL 6.33	30		
Mainsail 3 quarter width MTW	1.926	39 %					
Spinnaker: Half width SHW 75% of ½ SFL	2 422	l	Foot longth (	2500/ 1) 251 23	Luff length 40.74	Boom length	0.000
Hall Width SHVV 75% OF 72 SFL	3.122		Foot length (2	,		2 ½SFL	3.330
				IEASUREMENT:			
Mast dimensions (mm)		Deck in rule	Half-Height in rule	Jib-Halyard Head in rule in rule	New Alspar mas		
Mast section area (cm²)		in rule	in rule	in rule in rule		om meas. point) Mast Weight	88.7
Mast section ratio (max 1.35)		in rule	in rule	in rule in rule		Mast material	Aluminium
			DECK M	EASUREMENTS			
Cockpit dimensions			3 _ 0.1 141	Hatch dimensions		r boom recess or	1 deck
Distance to sheerline				-			
1st cockpit 2nd cockpit					Length	SEMUNG AND	ON A
Total area of openings m <sup>2</sup>		in rule		no hatch	Width Depth		-H
Date and place of Measureme	ent		1.9.2021	Kotka	date		
Measurer's Name(s)				lläinen., 6m class OM F	IN-81	2	STIP OF
Measurer recognised by: (enter	er National A	Authority)		ing & Boating Federat	ion	To.	
Measurer's signature			10/0			ENTO ANTHO	RITY







Yacht's Name Bribon-Gallant

National Letters & Sail Number ESP 16 Fleet CLASSIC

Designer Arvid Laurin Design Year 1947

Builder Plyms Varv, Neglinge Build Year 1947

Owner RCNSanxenxo World Sailing Building Plaque no.

(If built after 1 Jan 1991) n/a

#### **RATING CERTIFICATION**

This yacht has been measured by the measurer(s) noted below, who is(are) approved by the yacht's Member National Authority (MNA) or by ISMA, to certify that it has been found to rate not more than 6.000:

Dated (certification start date) 06/07/2023

Measured by Antonio Cardona Espin

On Behalf of MNA RFEV

 Valid until
 05/07/2027

 Supersedes
 29/04/2022

Place & Time of Measurements Sanxenxo 7:00

Conditions at Flotation (wind, water & ter 2 knots light wind with flat water at 15°C

SG (specific gravity) of Water at Flotatior 1,025 kg/m<sup>3</sup>

Any correction applied to flotation/freeboards due to conditions (mm) 0

(Salt Water 1.025 kg/m<sup>3</sup> & Immersion in salt/fresh water = 0.012m)

Loadcell details/calibration KERN HFAST-3 WF19012330 (CALIBRATION 10-04-23)

Stamp of MNA (or ISMA):

MNA (or ISMA) signature:

Firmado por BONILLA PAZ RAFAEL JUAN -\*\*\*5607\*\* el día 31/08/2023 con un certificado emitido

RATING CALCULATION	
OVERALL LENGTH	10,655 <b>10,655</b>
Overhang Forward to L1 1,177	7
Overhang Aft to L1 1,75	7
Total Overhang (Subtract) 2,934	1
MEASURED LENGTH (L1 to L1)	7,721
Girth at Bow 0,75:	ī
Twice vertical Height at Bow (Subtract) 0,600	
O at Bow (min 0.180 m) 0,153	<u> </u>
Add 11/2 O at Bow (min 0.270 m)	0,270
Girth at Stern 1,970	<u>)</u>
Twice vertical Height at Stern (Subtract) 1,160	<u>)</u>
O at Stern 0,810	
Add 1/3 O at Stern (min 0.200 m)	0,270
Add any penalty at O2 (see Rule 3. Length - only for boats after 1 Nov 1970)	0,000
Add any Beam and/or Displacement Penalty	0,000
CORRECT LENGTH L (Sum of L1 Length and O Bow/Stern Girth Corrections)	8,261
Skin d to d1 Port 1,74	7
Chain d to d1 Port 1,74:	
d Port 0,000	
Skin d to d1 Starboard 1,740	<del></del>
Chain d to d1 Starboard 1,74:	
d Starboard 0,009	<del> </del>
Add d	0,011
GIRTH MIDSHIP DIFFERENCES (2d)	0,022
RATED LENGTH (Sum of Correct Length and Midship Girth Differences 2d)	8,283
(Calc. only nec. for boats after 1 Nov 1970) Actual Calc.	
Mean Freeboard Bow O 0,846 0,846	
Mean Freeboard Midship d 0,677 0,677	
Mean Freeboard Stern O 0,670 0,670	
Sum of Freeboards 2,193	
Classic Immersion Marks d Freeboard (only for Classic Appendix A boats) n/a	
Subtract F, ⅓ FREEBOARD (max 0.730) 0,733	0,730 7,553
Add Square root of TOTAL RATED SAIL AREA	6,652
TOTAL OF MEASUREMENTS (max 14.222)	14,205
RATING Calculation (Total of Measurements/2.37)	5,993
Tumblehome and/or Draught Penalty (to be added to the Rating)	0,003
<b>5</b>	
FINAL RATING (not more than 6.000)	5,996

6mR

Bribon-Gallant

**ESP 16** 

06/07/2023

Page 2

6mR	Bribon-Gallant	ESP 16		06/07/2023		Page 3
PENALTIES						
Overhang Forward	to L (LWL)			1,383		
Overhang Aft to L (				2,062		
Subtract from over	all length				3,445	10,655
Add any increase to	o Aft L location due to	Projections, No	otches or Holl	ows	0,000	
-	ructions M18 & M20, inclu	=				
WATERLINE LENGTH (LW	/L)					7,210
Minimum Displace	ment for Zero Penalty	[m³] (0.2*LWL	+0.15) <sup>3</sup>		4,034	
Minimum Weight f	or Zero Penalty [metri	c tonsl (water	of sg 1.025 to	nne/m³)	4,134	
DISPLACEMENT	,.		_	ual including add		4,145
Equivalent LWL for	Zero Penalty ((weight,			J	7,215	
Difference					0,000	
DISPLACEMENT PE	NALTY (add 2x to L)					0,000
<b>BEAM</b> (minimum beam a	at ⅓ of midship freeboa	ard)			1,830	
Actual beam at 1/3 o	of midship freeboard				1,847	
Difference (if posit	ive)				0,000	
BEAM PENALTY (a	dd 4x to L, only for yac	hts laid down	after Sept 19	37)		0,000
TUMBLEHOME (max 2x 2	2% of Extreme Beam)				0,072	
Extreme Beam					1,847	
Beam at deck					1,847	
Difference (if posit	•				0,000	0.000
	NALTY (add 3x excess t			14020	1 654	0,000
DRAUGHT (actual at dee			(span not to e	exceea 1830mm		
Difference (if posit	for Zero Penalty (0.16	LVVL+0.5)			1,653 0,001	
• •	Y (add 3x excess to Ra	ting)			0,001	0,003
DIAGGITTENALI	1 (add 3x cxcc33 to Na	6/				0,003
SAIL PLAN						(max 9.750m)
Maximum Height of Sail	Plan (max 13.000m above da	13,000	J	3,350	ı	9,750
Boom Height (min 400 to 1	100mm from datum)	0,880	Α	12,120	В	5,013
Foretraingle area (max (J o	or spin boom)xI/2)	16,331		Rated Mainsai	Area (AxB/2)	30,378
Rated Foretriangle Area	(85% of measured area)	13,881		Total Rated Sa	il Area (s)	44,259
					<b>√</b> S	6,652
Spinnaker boom (length in ex	tension to outer end from fwd	face of the mast)	3,350	110% J	3,685	
Sail Limits						
Mainsail		L/2 height (MHW		Max girth at 3/4 h	eight (MTW 39%)	1,955
Genoa		ength (HFL J+3.0				
Spinnaker Max Iu	iff SLU/leech SLE length (80	% of √J+√I +2.500	m <b>10,747</b>	Max foot bread	th (SFL 250% J)	8,375
SPARS MEASUREMEN	TS					
MAST CG from datum poin	t (90mm above sheer)	5,430		ght (min 63.51kg)	64.06 kg	Material
(CG position min 4.940	m above datum)	Deck (min 132.7cm <sup>2</sup> )	1/2 Height (min 147.4cm <sup>2</sup> )	Forestay (min 95cm²)	Head (min 37.4cm²)	Aluminium
MAST dimensions [mm]		123x166	123x166	123x166	095x095	
MAST sectional area [cm <sup>2</sup> ]		168	168	168	74	Builder & Yr
MAST section ratio [max 1.	35]	1,350	1,350	1,350	1,000	John Mast 2023
DECK MEASUREMENT	S	Length	Aft width	Fwd width	Area m²	Distance to sheer
Cockpit dimensions:	fwd (or single) cockpit		1,025	0,730	2,693	200mm
(max 2.700m <sup>2</sup> &	fwd keyhole		-		#¡VALOR!	Total Area m <sup>2</sup>
sheer distance min 200	•	-	-	-	#¡VALOR!	2,693
Hatch dimensions (max 0.40	00m <sup>2</sup> & sheer min 300mm)	0,500	0,500	0,500	0,250	Distance to sheer
						300mm

6mR	Bribon-Gallant	ESP 16	06/07/2023	Page
OIIII X	Dilboii Gallant	LO: 10	00,07,2023	

06/07/2023 Nauta Sanxenxo - flotation & weighing for revalidation checks.	
Flat water with no wind.	
No extra weight - anchor (10kg) positioned forward of the mast with line.	



Yacht's Name Essentia

National Letters & Sail Number ROU 65 Fleet CLASSIC

Designer Olin Stephens Design Year 1956

Builder J.J. Taylor & Son, Toronto Build Year 1956

Owner Association Club Sportiv World Sailing Building Plaque no.

Callatis YC (If built after 1 Jan 1991) n/a

#### RATING CERTIFICATION

This yacht has been measured by the measurer(s) noted below, who is(are) approved by the yacht's Member National Authority (MNA) or by ISMA, to certify that it has been found to rate not more than 6.000:

Dated (certification start date) 27/09/2024

Measured by Antonio Cardona

On behalf of MNA ISMA

 Valid until
 06/10/2024

 Supersedes
 26/06/2024

Place of measurements & flotation Sanxenxo

Conditions at location of flotation 1 knot, flat water, 15 degrees C in the marina

(Include details of wind & water conditions, air temperature & the time of day)

SG (specific gravity) of water at flotation 1.025 kg/m³

Any correction applied to flotation/freeboards due to conditions (mm)

(Salt Water 1.025 kg/m<sup>3</sup> & Immersion in salt/fresh water = 0.012m)

Loadcell details/calibration Scale gram c5 5.000 tons, calibration 27/08/2024

Stamp of MNA (or ISMA):

M. Mushur

MNA (or ISMA) Print Name:

CANARD BERTHOUD

Signature:

1. GIZDOWS

AS\_

## RATING CALCULATION

OVERALL LENGTH		11.241	11 044
Overhang Forward to L1	1 440	11.241	11.241
Overhang Aft to L1	2.000		
Total Overhang (Subtract)	3.440		
	3.770		
MEASURED LENGTH (L1 to L1)		7.801	
Girth at Bow			
Twice vertical Height at Bow (Subtract)	0.781		
O at Bow (min 0.180 m)	0.600		
Add 11/2 O at Bow (min 0.270 m)	0.181		
Girth at Stern		0.271	
Twice vertical Height at Stern (Subtract)	2.037		
O at Stern	1.238		
Add 1/3 O at Stern (min 0.200 m)	0.799		
		0.266	
Add any Beam and/or Discl.	0)	0.000	
Add any Beam and/or Displacement penalty		0.074	
CORRECT LENGTH L (Sum of L1 Length and O Bow/Stern Girth Corre		_	
Variety of 22 Zongin una O Bow/Siern Girth Corre	ections)		8.412
Skin d to d1 Port	1.022		
Chain d to d1 Port	1.032		
d Port	1.030	0.000	
Skin d to d1 Starboard	0.002	0.002	
Chain d to d1 Starboard	1.001		
d Starboard	0.999		
Add d	0.002	0.002	
		0.004	
GIRTH MIDSHIP DIFFERENCES (2d)		0.000	
RATED LENGTH (Sum of Correct Length and Midship Girth Differences		0.008	
Gunt of Correct Bength and Muship Girth Differences	s 2d)	Wall William	8.420
(Calc. only nec. for boats after 1 Nov 1970) Actual Calc.			
Moon Fresh and D. C.			
Mean Freeboard Midship d 0.811 0.811 0.706			
Mean Freeboard Stern O 0.709 0.709			
Sum of Freeboards 2.226			
2.220			
Classic Immersion Marks d Freeboard (only for Classic Appendix A boats)	n/a		
Subtract F, 1/3 FREEBOARD (max 0.730)	0.742	0.730	7.690
		0.750	7.090
Add Square root of TOTAL RATED SAIL AREA	Г	4-75	
		6.528	
TOTAL OF MEASUREMENTS (max 14,222)			
(max 14,222)			14.218
RATING Calculation (Total of Measurements/2.37)			
Calculation (Iotal of Measurements/2.37)			5.999
Tumblehome and/or Draught Penalty (to be added to the Rating)			
and or Draught I charty (to be added to the Rating)		0,000	
FINAL RATING (not more than 6.000)			San
Chot more than 6,000)			5.999

## PENALTIES

Overhang Forw	vard to L (LWL)					
Overhang Aft t	o L (LWL)			1.699		
Subtract from o	overall length			2.240		
					3.939	11.241
Add any increa	se to L due to Projections, N	Notches or Hollows	AADEG		THE REPORT OF THE PARTY OF THE	Name of the last o
(see Rule 5 Hollow	s, Measurement Instructions M18	8 & M20 also include	An R5 & Fwo	l M18)	0.000	
WATERLINE LENG	rs, Measurement Instructions M18	also include ru	dder flaps extend	ng aft further than CL	of rudder stock axis	@ LWL)
Minimum Disp	lacement for Zero Penalty [	m31 (0.2*I W/I +0.14				7.302
Minimum Weig	tht for Zero Penalty [metric	tamal (o.z. LWL+0.1;	5)3		4.173	7.502
DISPLACEMENT	charty [metric	tons] (water of sg 1	025 tonne/m3		4.277	
	L for Zero Penalty ((weight	WEIGHT [met]	ric tons] (actu	al including adde	d ballast)	4.229
Difference	- 101 Zero I charty ((weight)	$(1.025) \sqrt[3]{-0.15}/0.2)$			7.265	4.229
DISPLACEMI	ENT PENALTY (add 2x to				0.037	
BEAM (minimum be	am at 1/3 of midship freebo	) L)				0.074
Actual beam at	1/3 of midship freeboard	pard above LWL)			1.830	0.074
Difference (if le	ess than minimum allowed)				1.872	
BEAM PENAI	TY (add 4x to I ambus				0.000	
TUMBLEHOME (m.	LTY (add 4x to L, only for ax 2x 2% of Extreme Bear	yachts laid down a	fter Sept 193'	7)		0.000
Extreme Beam	- 270 of Extreme Bear	m)			0.074	0.000
Beam at deck					1.872	
	reater than maximum allow	- 0			1.866	
TUMBLEHON	ME PENALTY (add 3x exc	ea)			0.000	
DRAUGHT (actual a	t deenest point) keel and	cess to Rating)				0.000
Maximum Drau	t deepest point) keel, rudo ght for Zero Penalty (0.16*	ier or wing tips (sp	an not to exce	ed 1830mm)	1.618	
Difference (if g	reater than maximum allow	LWL+0.5)			1.668	
DRAUGHT PI	ENALTY (add 3x excess to	ea)			0.000	
	(add 5% excess 10	(Kating)				0.000
SAIL PLAN						
Height of Sail Plan (ma	x 13.000m above datum)	13.000		0.0000000000000000000000000000000000000		(max 9.750m)
		13.000	J	3.450	I	9.750
Boom		1.100				
		1.100	A	11.900	В	4.760
Foretra		16.818		Detail Main 11		
Rated		14.295		Rated Mainsail		28.322
Spinnaker boom (length in e	extension to outer end from fw	d face of the mast)	3.450	Total Rated Sail		42.617
			3.430		√s	6.528
Sail Limits						
Mainsail	Max girth at 1	1/2 height (MHW 67%)	3.189	Max girth at 3/4 hei	abt (MTW 2004)	1.056
Genoa		ength (HFL J + 3.000m)		171ax girtir at 3/4 Hel	gnt (W1 W 39%)	1.856
Spinnaker Ma	x luff SLU/leech SLE length (809		10.773	Max foot breadth	(SEI 250% D	9.025
					(51 L 250 / 63)	8.625
SPARS MEASURE						
MAST CG from datum p			Mast We	ight (min 63.51kg)		Material
(CG position min 4.	940m above datum)	Deck	1/2 Height	Forestay (min	Head	
MAST dimensions [mm]		(min 132.7cm2) 125x167	(min 147.4cm2)	95cm2)	(min 37.4cm2)	Aluminium
MAST sectional area [cm	21	172	125x167 172	122x164	075x089	
MAST section ratio [max	1.35]	1.336	1.336	1.344	55	Builder & Yr
		7,550	1.550	1.344	1.187	John Mast DK
DECK MEASUREN	MENTS	Length	Aft width	Fwd width	A2	D
Cockpit dimensions:	fwd (or single) cockpit	1.700	1.010	0.880	Area m2	Distance to sheer
(max 2.700m2 &	fwd keyhole			3.000	0.000	Total Area m2
sheer distance min 2	200mm) aft keyhole			The state of the s	0.000	1,606
Hatch dimensions (max 0.40	00m2 & sheer min 300mm)	0.490	0.500	0,500	0.245	Distance to sheer

27/9/24

Antonio Cardona & Canard Berthoud re-measure overhangs, freeboards & weight prior to 6mR Europeans in Sanxenxo. Certificate valid for the duration of the European Championships 2024 until 06/10/2024.





n/a

## INTERNATIONAL SIX METRE CLASS

Yacht's Name Fun

Fleet CLASSIC National Letters & Sail Number FRA 11

Olin Stephens **Design Year** 1937 Designer

Henry B. Nevins, NYC **Build Year** 1937 Builder

World Sailing Building Plaque no. Owner Louis Heckly

(If built after 1 Jan 1991)

#### RATING CERTIFICATION

This yacht has been measured by the measurer(s) noted below, who is(are) approved by the yacht's Member National Authority (MNA) or by ISMA, to certify that it has been found to rate not more than 6.000:

Dated (certification start date) 10/07/2023

**GR Perrin & JP Marmier** Measured by

On Behalf of MNA Yacht Club De France

Valid until 09/07/2027

Supersedes 10/06/2023

Place & Time of Measurements Villeneuve

Conditions at Flotation (wind, water & temp)

SG (specific gravity) of Water at Flotation 1.025 kg/m<sup>3</sup>

Any correction applied to flotation/freeboards due to conditions (mm)

(Salt Water 1.025 kg/m<sup>3</sup> & Immersion in salt/fresh water = 0.012m)

Loadcell details/calibration

Stamp of M



MNA (or ISMA) signature:

6mR Fun FRA 11	10/07/2023		Page 2
RATING CALCULATION			
OVERALL LENGTH  Overhang Forward to L1  Overhang Aft to L1  Total Overhang (Subtract)	1.485 2.060 3.545	11.245	11.245
MEASURED LENGTH (L1 to L1)		7.700	
Girth at Bow Twice vertical Height at Bow (Subtract) O at Bow Add 11/2 O at Bow (min 0.270 m) Girth at Stern Twice vertical Height at Stern (Subtract) O at Stern	0.793 0.600 0.193 2.022 1.158 0.864	0.289	
Add 1/3 O at Stern (min 0.200 m)  Add any penalty at O2 (see Rule 3. Length - only for boats after 1 Nov 1970)  Add any Beam and/or Displacement Penalty		0.288 0.000 0.000	
CORRECT LENGTH L (Sum of L1 Length and O Bow/Stern Girth Correction)	s)		8.277
Skin d to d1 Port Chain d to d1 Port d Port Skin d to d1 Starboard Chain d to d1 Starboard d Starboard Add d	1.050 1.045 0.005 1.033 1.030 0.003	0.005 0.003 0.008	
GIRTH MIDSHIP DIFFERENCES (2d)		0.016	
RATED LENGTH (Sum of Correct Length and Midship Girth Differences 2d	<del>i</del> )		8.293
(Calc. only nec. for boats after 1 Nov 1970)       Actual       Calc.         Mean Freeboard Bow O       0.819       0.819         Mean Freeboard Midship d       0.691       0.691         Mean Freeboard Stern O       0.669       0.669         Sum of Freeboards       2.179			
Classic Immersion Marks d Freeboard (only for Classic Appendix A boats)  Subtract F, % FREEBOARD (max 0.730)	0.726	0.726	7.567
Subtract F, 73 FREEDOARD (Max 0.730)	0.720		
Add Square root of TOTAL RATED SAIL AREA		6.654	
TOTAL OF MEASUREMENTS (max 14.222)			14.221
Add any Tumblehome and/or Draught Penalty		0.000	14.221
RATING Calculation - Total of Measurements/2.37 (= not more than 6.0	000)		6.000

6mR	Fun	FRA 11		10/07/2023	HAN STATE HELD	Page 3
PENALTIES						
Overhang	Forward to L (LWL)			1.774		
Overhang	Aft to L (LWL)			2.333		
Subtract f	rom overall length				4.107	
Add any in	crease to Aft L location due to Pro	jections, Notche	s or Hollows		0.000	
(see Measur	ement Instructions M18 & M20, including	g for rudder flaps ex	tending aft furthe	r than CL of rudder st	ock axis)	
WATERLINE LENG	GTH (LWL)					7.138
Minimum	Displacement for Zero Penalty [m <sup>3</sup>	] (0.2*LWL+0.1	5) <sup>3</sup>		3.921	
Minimum	Weight for Zero Penalty [metric to	ons] (water of sg	1.025 tonne/m	<sup>3</sup> )	4.019	
DISPLACEMENT		WEIGHT [metri	ic tons] (actual	including added	ballast)	4.050
Equivalen	t LWL for Zero Penalty ((weight/1.0	)25)∛-0.15)/0.2	)		7.150	
Difference	•				0.000	
DISPLACE	MENT PENALTY (add 2x to L)					0.000
BEAM (minimun	n beam at ⅓ of midship freeboard)				1.830	
Actual bea	am at ¼ of midship freeboard				1.830	
	e (if positive)				0.000	0.000
	NALTY (add 4x to L, only for yachts	laid down after:	Sept 1937)		0.072	0.000
	max 2x 2% of Extreme Beam)				0.072	
Extreme B					1.830	
Beam at d					0.000	
	e (if positive)	atimal			0.000	0.000
	OME PENALTY (add 3x excess to Ralat deepest point) keel, rudder or		not to exceed	1830mm)	1.623	0.000
	n Draught for Zero Penalty (0.16*LV		not to exceed	200011111,	1.642	
	e (if positive)	VE10.5)			0.000	
	FPENALTY (add 3x excess to Rating	e)				0.000
Diagonii	TEMPET (add ox excess to mann)	,,				
SAIL PLAN				0.050		(max 9.750m)
Maximum Heigh	t of Sail Plan (max 13.000m above datum)	13.000	J	3.250	1	9.750
Boom Height (mi	n 400 to 1100mm from datum)	0.725	Α	12.205	В	5.050
Foretraingle area	a (max (J or spin boom)xl/2)	15.843		Rated Mainsail	Area (AxB/2)	30.817
Rated Foretriang	gle Area (85% of measured area)	13.466		Total Rated Sail		44.283
					VS	6.654
Spinnaker	boom (length in extension to outer end from f	wd face of the mast)	0.000	110% J	3.575	
Sail Limits			0.000			1.969
Mainsail	Max girth at 1/2 height		3.383	Max girth at 3/4 he	eight (M IW 39%)	1.909
Genoa	Max foot length (HFI		6.250 10.721	Max foot breadth	(SEL 250% I)	8.125
Spinnaker	Max luff SLU/leech SLE length (80% of v	J+VI +2.500ffI)	10.721	wax root breauti	(SFL 230/kJ)	0.123
SPARS MEASU	REMENTS					
	tum point (90mm above sheer)	5.200		ight (min 63.51kg)	63.80 Head	Material
(CG position	n min 4.940m above datum)	Deck (min 132.7cm <sup>2</sup> )	1/2 Height (min 147.4cm <sup>2</sup> )	Forestay (min 95cm²)	(min 37.4cm <sup>2</sup> )	Aluminium
MAST dimensions	[mm]	127x163	125x165	125x165	071x110	
MAST sectional ar		171	170	170	64	Builder & Yr
MAST section ratio	[max 1.35]	1.283	1.320	1.320	1.549	Allspars 2023
DECK MEASUR	EMENTS	Length	Aft width	Fwd width	Area m²	Distance to sheer
Cockpit dimension		0.000	0.000	0.000	0.000	-
(max 2.700)		0.000	0.000	0.000	0.000	Total Area m <sup>2</sup>
	nce min 200mm) aft keyhole	0.000	0.000	0.000	0.000	0.000
Hatch dimensions	(max 0.400m <sup>2</sup> & sheer min 300mm)	0.000	0.000	0.000	0.000	Distance to sheer

Location of anchor & battery: at mast level	Density of water at flotation 1.025
	Location of anchor & battery: at mast level







Yacht's Name IAN

National Letters & Sail Number ESP 59 Fleet RCNS CLASSIC Apendix A

**Second Rule** 

**Designer** Gustaf Estlander **Design Year** 1929

Builder Arendals vary Goteborg Build Year 1929

Owner Cesar Elizaga World Sailing Building Plaque no.

(If built after 1 Jan 1991) n/a

#### RATING CERTIFICATION

This yacht has been measured by the measurer(s) noted below, who is(are) approved by the yacht's Member National Authority (MNA) or by ISMA, to certify that it has been found to rate not more than 6.000:

Dated (certification start date) 07/09/2024

Measured by Antonio Cardona

On behalf of MNA RFEV

 Valid until
 06/09/2028

 Supersedes
 20/11/2019

Place of measurements & flotation Sanxenxo

Conditions at location of flotation 0 kns flat water 20 C

(Include details of wind & water conditions, air temperature & the time of day)

SG (specific gravity) of water at flotation 1,022 kg/m³

Any correction applied to flotation/freeboards due to conditions (mm) 0

(Salt Water 1.025 kg/m<sup>3</sup> & Immersion in salt/fresh water = 0.012m)

Loadcell details/calibration Gram C5 last calibration 27-08-24

Stamp of MNA (or ISMA):

MNA (or ISMA) signature: Firmado por BONILLA PAZ RAFAEL

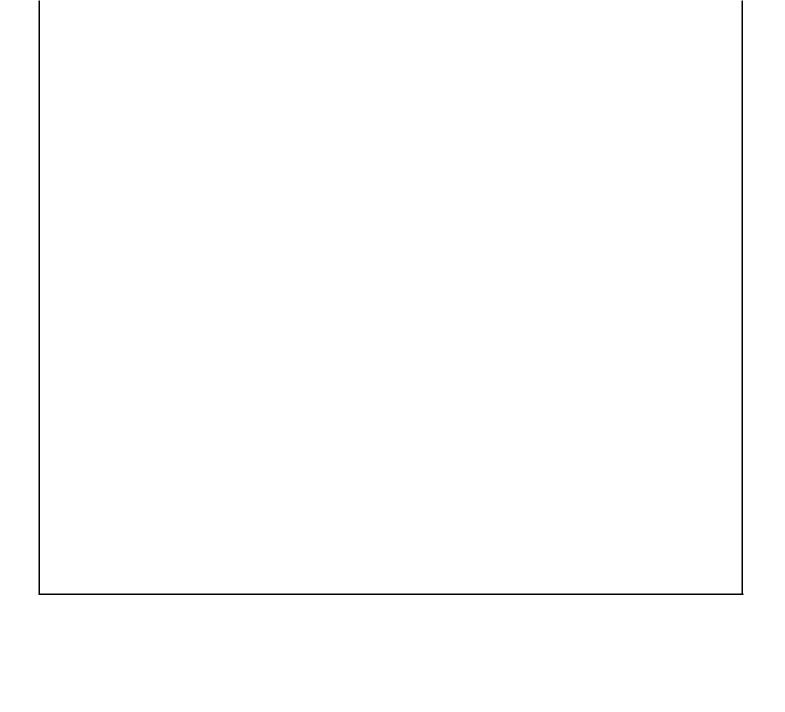
JUAN - \*\*\*5607\*\* el día

24/09/2024 con un certificado emitido por AC FNMT Usuarios

6mR	IAN	ESP 59	07/09/2024	Page 2
RATING CALCULATION				
OVERALL LENGTH				11,355 <b>11,355</b>
Overhang Forward to L1			1,625	11,333
Overhang Aft to L1			2,250	
Total Overhang (Subtract)			3,875	
MEASURED LENGTH (L1 to L1)			3,5.5	7,480
Girth at Bow	-11\		0,809	
Twice vertical Height at Bow (Sub	otract)		0,600	
O at Bow (min 0.180 m)			0,209	0.212
Add 11/2 O at Bow (min 0.270 m) Girth at Stern			2 170	0,313
Twice vertical Height at Stern (Su	ıhtract\		2,179 1,110	
O at Stern	ibtracti		1,069	
Add 1/3 O at Stern (min 0.200 m)			1,009	0,356
	) lanath a	oly for boots often	1 Nov. 1070)	0,000
Add any Beam and or Displacem	_	-	I NOV 1970)	0,000
Add any Beam and/or Displacem	ient penait	/		0,000
CORRECT LENGTH L (Sum of L1 Len	gth and O	Bow/Stern Gir	th Corrections)	8,149
Skin d to d1 Port			1,081	
Chain d to d1 Port			1,074	
d Port			0,007	0,007
Skin d to d1 Starboard			1,081	<u> </u>
Chain d to d1 Starboard			1,074	
d Starboard			0,007	0,007
Add d				0,014
0.0000				
GIRTH MIDSHIP DIFFERENCES (2d)				0,028
RATED LENGTH (Sum of Correct Le	ngth and I	Midship Girth D	oifferences 2d)	8,177
(Calc. only nec. for boats after 1 N	Nov 1970)	Actual	Calc.	
Mean Freeboard Bow O		0,861	0,861	
Mean Freeboard Midship d		0,685	0,685	
Mean Freeboard Stern O		0,645	0,645	
Sum of Freeboards			2,191	
Classic Immersion Marks d Freeb	oard (only	or Classic Appendi	x A boats) <b>0,680</b>	
Subtract F, ¼ FREEBOARD (max 0.7	730)		0,730	0,730 7,447
Add Course root of TOTAL DATED	CAU ADEA			6.010
Add Square root of TOTAL RATED S	AIL AKEA			6,010
TOTAL OF MEASUREMENTS (max	14.222)			13,457
RATING Calculation (Total of M	easureme	nts/2.37)		5,678
Tumblehome and/or Draught Pe	nalty (to be	added to the Ra	ting)	0,027
_		e added to the Ra	iting)	
Tumblehome and/or Draught Pe FINAL RATING (not more than 6.0		e added to the Ra	iting)	0,027 <b>5,705</b>
_		e added to the Ra	ting)	
FINAL RATING (not more than 6.0		e added to the Ra	07/09/2024	
FINAL RATING (not more than 6.0	00)			5,705
FINAL RATING (not more than 6.0	00)			5,705
FINAL RATING (not more than 6.0  6mR  PENALTIES  Overhang Forward to L (LWL)  Overhang Aft to L (LWL)	00)		07/09/2024	5,705
FINAL RATING (not more than 6.0  6mR  PENALTIES  Overhang Forward to L (LWL)	00)		<b>07/09/2024</b> 1,865	5,705

6mR IAN	ESP 59		07/09/2024		Page 4
					300mm
Hatch dimensions (max 0.400m <sup>2</sup> & sheer min 300mm)	0,500	0,500	0,500	0,250	Distance to sheer
sheer distance min 200mm) aft keyhole	0,510	1,090	0,000	0,277	2,368
(max 2.700m <sup>2</sup> & fwd keyhole	1,050	0,770	0,750	0,798	Total Area m <sup>2</sup>
Cockpit dimensions: fwd (or single) cockpit	1,685	0,810	0,725	1,293	200mm
DECK MEASUREMENTS	Length	Aft width	Fwd width	Area m²	Distance to sheer
MAST section ratio [max 1.35]	1,231	1,231	1,231	1,339	Allspars 2023
MAST sectional area [cm <sup>2</sup> ]	172	172	172	42	Builder & Yr
MAST dimensions [mm]	130x160	130x160	130x160	062x083	
(CG position min 4.940m above datum)	Deck (min 132.7cm <sup>2</sup> )	1/2 Height (min 147.4cm <sup>2</sup> )	(min 95cm <sup>2</sup> )	Head (min 37.4cm²)	Aluminium
MAST CG from datum point (90mm above sheer)	5,222 Deck	Mast Weig 1/2 Height	ght (min 63.51kg)  Forestay	64,5	Material
SPARS MEASUREMENTS	=				
	JOI VJ⊤VI ⊤Z.JUU∏	1/ 10,747	ax ioot bicau	(5. 2 250/03)	1,323
Spinnaker Max luff SLU/leech SLE length (80%			Max foot bread	th (SFL 250% I)	7,925
5 ,	gth (HFL J + 3.00		ivian gii tii at 3/4 l	icigiit (IVII VV 3970)	2,003
	2 height (MHW 67	7% 3,544	May girth at 2/4	neight (MTW 39%)	2,063
Sail Limits					
Spinnaker boom (length in extension to outer end from fwd		3,480		٧S	6,010
Rated Foretriangle Area (85% of measured area)	3,410		Total Rated Sa		36,128
Foretraingle area (max (J or spin boom)xI/2)	4,012		Rated Mainsa	il Area (AxB/2)	32,718
Boom Height (min. 400 to max. 1100mm above datum)	0,630	Α	12,370	В	5,290
Height of Sail Plan (max 13.000m above datum)	13,000	J	3,170	I	9,810
SAIL PLAN					(max 9.750m)
•	····6/				5,027
DRAUGHT PENALTY (add 3x excess to Ra				0,009	0,027
Difference (if greater than maximum allow	-			0,009	
Maximum Draught for Zero Penalty (0.16		(span not to e	xceeu 1830MM	1,642 1,633	
TUMBLEHOME PENALTY (add 3x excess to DRAUGHT (actual at deepest point) keel, rudde	•	lenan not to a	vcood 1920mm	1 642	0,000
Difference (if greater than maximum allow	•			0,000	0.000
Beam at deck	rod)			1,968	
Extreme Beam				1,970	
TUMBLEHOME (max 2x 2% of Extreme Beam)				0,078	
BEAM PENALTY (add 4x to L, only for yac	hts laid down	after Sept 19	37)	2.25-1	0,000
Difference (if less than minimum allowed)			_	0,000	
Actual beam at 1/3 of midship freeboard				1,970	
BEAM (minimum beam at 1/3 of midship freeboa	rd above LWL)			1,830	-
DISPLACEMENT PENALTY (add 2x to L)					0,000
Difference				0,000	·
Equivalent LWL for Zero Penalty ((weight/	′1.025)∛-0.15)	/0.2)		7,095	
DISPLACEMENT			ual including ad	ded ballast)	3,966
Minimum Weight for Zero Penalty [metric	tons] (water o	of sg 1.025 to	nne/m³)	3,936	
Minimum Displacement for Zero Penalty	[m³] (0.2*LWL-	+0.15) <sup>3</sup>		3,840	
WATERLINE LENGTH (LWL)					7,083
(see Rule 5 Hollows, Measurement Instructions M1	18 & M20, also inc	lude rudder flap	s extending aft furt	her than CL of rudder	stock axis @ LWL

(PLEASE include as many details as possible & all comments on measurements and/or conditions)





## INTERNATIONAL SIX METRE CLASS 'CLASSIC'



2023

Yacht's Name

National letters and Sail Number

Builder

Owner Owner's Address Lloyds R class certificate

JOY FIN-36 Original name Joy

Original Sail Number L-36

Club HSS

**Building Year 1935** 

**Tore Holm** 

Wileniuksen Veneveistämö, Porvoo

Ismo Hentula, Kari Loukola & Sami Sailo

c/o Loukola, Kangastie 15, 00630 Helsinki

(Number or Date)

CERTIFICATE of RATING

This yacht has been measured by measurer(s) approved by Finnish Sailing & Boating Federation and has been found to rate not more than

6.000 metres. Loviisa

17.4.2010 11.11.2009 23.10.2009

This certificate is dated and its validity confirmed by

for (enter name of National Authority)

Valid until

Supersedes (former cert. nr or date)

18.7.2011 20.7.2015

15.5.2019 Matti Muoniovaara 11.8.2023

Finnish Sailing & Boating Federation 11.8.2027

6.7.1935

Matti Muoniovaara, 6m class OM FIN-0039

Signature

Comments:

The yacht has been measured as a CLASSIC 6 metre. Measurement and this of certificate of measurement 6 L-36 dated 6.7.1935 G. Jakobsson. Measured Length 7.720m is from the original certificate.

New steel construction for shrouds, corrector seight reduced to 9kg. Matti Muoniovaara, 6m class measurer

Weight:

It is not possible to increase the weight of the

g extra correctors.

Immersion of "I":

31 millimetres ( 40mm in Helsinki)

#### To be signed by the owner:

I undertake to race this Internationial 6 metre class yacht only so long as I maintain it in conformity with the Class Rules. I also undertake that the weight correctors (if any) will not be altered or removed except when done in conjunction with an official reweighing and that only sails, spars etc., which have been measured and found to be in accordance with the rules, will be used.

Signature

Kari Loukola

Date: 1.6.2019

#### **Reweighing Endorsement**

Date	Total Hull Weight (kg)	Corrector Weight (kg)	No. of Correctors, placed at	Name & Signature of Measurer
6.7.1935	4220kg	25kg	1 between frames 8 & 9 aft	Gunnar Jakobsson
5.8.2010	4255kg	22kg	2 at mast (lead and accumulator)	Matti Muoniovaara
20.7.2015	4255kg	9kg	at mast	Matti Muoniovaara

#### **Issue of Rating Certificates**

Date	Boat name	Sail-no	Measured Length	LWL	Weight	Sail area	Rating	Measurer
6.7.1935	JOY	L-36	7.720	7.264	4220kg	43.328	6.000	Gunnar Jakobsson
7.7.1948	JOY	L-36	7.720	7.262	4220kg	43.327	6.000	Harry Strang
15.5.2019	JOY	FIN-36	7.720	7.286	4255kg	43.328	6.000	Matti Muoniovaara
	- 12/							



Measurements	Six metre yacht	JOY	FIN-36
OVERALL LENGTH			11.610
Overhang Forward to L1	1.609		
Overhang Aft to L1	2.281	Total Overhang (Substract)	3.890
MEASURED LENGTH (L1 L1)			7.720
Girth at Bow	0.824	Girth at Stern	2.003
2x vertical Heigth at Bow (Substract)	0.600	2x vertical Heigth at Stern (Substract	1.130
O at Bow	0.224	O at Stern	0.873
Add 1 1/2 O at Bow (min 0.270 yachts after		Add 1/3 O at Stern (min 0.200)	0.291
Add any penalty (displ. and beam)			0.000
CORRECT LENGTH L			8.347
Skin d to d1 Port	1.769	Skin d to d1 Starboard	1.764
Chain d to d1 Port	1.763	Chain d to d1 Starboard	1.759
d Port	0.006	d Starboard	0.005
Add d			0.011
Add GIRTH 2 d			0.022
Mean Freeboard Bow O Actual	0.845		
Mean Freeboard Midship d Actual	0.695		0.405
Mean Freeboard Stern O Actual	0.655	Sum of Freeboards	2.195
Substract FREEBOARD, F (max 0.730)	)		6.582
Add SAIL AREAS (Square root)			14.221
TOTAL OF MEASUREMENTS			6.000
Total of measurements divided by	2.37		0.000
PENALTY (draught and tumble home)			6.000
FINAL RATING			0.000
A CONTRACTOR OF THE PARTY OF TH	PE	NALTIES	
Overhang Forward to L bow Δ L-L1	0.246 1.855	Total overhang (Substract from overall	l length) 4.324
Overhang Aft to L aft Δ L-L1	0.188 2.469	Differ. of immersion from salt water to	
WATERLINE LENGTH Actual	0.00		7.286
	weight (tons) 4.255	Minimum Weight for Zero Penalty (ton)	
Displacement in m <sup>3</sup>	4.151	sg 1.025ton/m³)	
Equivalent LWL (for Displ. < min.)	7.286	Minimum Displacement for Zero Penal	lty, m <sup>3</sup> 4.152
Difference (eq. Lwl - actual Lwl) (if positi		=(0.2*LWL+0.15) <sup>3</sup>	
		DISPLACEMENT PENALTY (add 2x to	
DRAUGHT (actual)	1.655	Difference (if positive penalty)	-0.011
Max. Draught for Zero Penalty (0.16*LW		DRAUGHT PENALTY (add 3x excess	to Rating) 0.000
BEAM (Min) built	before 1937 1.830	Difference (if positive penalty)	no penalty 0.031
Max Beam at 1/3 of Midship Freedoard	1.799	BEAM PENALTY (add 4x to L)	0.000
Tumblehome Max. (2% of Ext. Board)	0.036	Extreme Beam	1.799
Measured Tumblehome	0.034	Beam at deck	1.731
Difference (if positive penalty)	-0.002	TUMBLEHOME PENALTY (add 3x exc	
	S	AIL PLAN	
Mainsail luff height A = 12.300			of Sail Plan (max13m) = 13.000
Mainsail boom length B = 5.158		2.800	Boom Heigth = 0.700
Rated Mainsail Area 31.725	Rated Foretriangle Area	11.603	Sail Area for Rating S = 43.328
SAIL LIMITS	7	[ 5 000]	
Mainsail max girth at 1/2 ht 67% 3.456		J + 3m) 5.800	
Mainsail max girth at 3/4 ht. 39% 2.012	1		
Spinnaker:	7 broadth (260%	J) 7.000 Max. luff length	10.615 Boom length 2.800
Min. 1/2 girth 75% of 1/2 foot length 2.625			10.615
	SPARS N	IEASUREMENTS	
	Deck Half-Height	Jib-Halyard Head	Note: New mast
Mast dimensions (mm)	125x162 125x162	125x162 67x90 MAST CG p	osititon (from meas. point) in Rule
Mast section area (cm²)	158 158	158 in Rule	Mast Weight > 63 kg
Mast section ratio (max 1.35)	1.30	1.30 1.34	Mast material Aluminium
	DECK M	EASUREMENTS	
Cockpit dimensions			Spinnaker boom recess on deck
Distance to sheerline		Talcii dillelisiolis	ING AND BOAL
1st cockpit			Lengt Car
2nd cockpit			Width
Total area of openings m <sup>2</sup>	in Rule	The state of the s	Dep l
Date and place of Measurement	18.7.2011 2		13.
Measurer's Name(s)		ovaara, 6m class OM FIN-0039	130 mg
Measurer recognised by: (enter National		Ultriverse	TOWN AUTHORITY *
Measurer's signature	Men	puller rice	



Yacht's Name

## INTERNATIONAL SIX METRE CLASS 'CLASSIC'

Original name MAY BE VI

Date: 14/8 2023

MAY BE VI



National letters and Sail Numbe	r FIN-51	Origina	I Sail Number S-	4	Club NJK
Designer	Tore Holm			····	
Builder	Tore Holms Yacht	varv	Building	Year 1946	
Owner	Patrick, Johanna,	Cecilia & Cathari	na Sandman		
Owner's Address	c/o Cecilia, Kataja	harjuntie 17 A 1 0	0200 Helsinki		
Lloyds R class certificate					Det Norske Verita
	CERTI	FICATE of	RATING		
This yacht has been measured			nd Boating Federa	tion and has be	een found to rate not more than
		04 7 0040	1	otka	21.5.2011
This certificate is dated	13.8.2023	21.7.2013		alle	
and its validity confirmed by	Matti Muoniovaara		Matti Muoniov	aara, 6 m clas	s measure, FIN 0039
for (enter name of National Author Valid until	ity) Finnish Salling & 13.8.2027	Boating Federation	on		S MESS TO SO
Supersedes (former cert. nr or dat	AND				1
Signature	lester	lusio	Z St	amp of Author	TEDER AUTHORITY **
	e yacht has been meas asurement 6m S-4 dated				is based on the certificate of
X-4					
Immersion of "I":					
To be signed by the owner:					
The second secon					
I undertake to race this Internation					
weight correctors (if any) will not b				official reweigh	ing and that only sails, spars etc
which have been measured and for	und to be in accordance wit	th the rules, will be	used.		

## Reweighing Endorsement

Signature

Date Total Hull Weight (kg) Co		Corrector Weight (kg)	Corrector Weight (kg) No. of Correctors, placed at	
3.8.2019	4297kg	31kg	1 at aft mast foot	Matti Muonievaara
				EDERA WILL

#### **Issue of Rating Certificates**

Date	Boat name	Sail-no	LI-LI	LWL	Weight	Sail area	Rating	Measurer
18.5.1950	MAY BE VI	5-4	7.673	7.322	4280kg	44.850	6.000	B. Hegardt
21.7.2013	MAY BE VI	FIN-51	7.673	7.312	4297kg	44.831	6.000	Matti Muoniovaara

Measurements Interna	tional six	metre c	lass yacht	MAY B	E VI		FIN-51
OVERALL LENGTH						Г	10.917
Overhang Forward to L1	1.297					_	
Overhang Aft to L1	1.947		Total Overhang	(Substract)	3.244		
MEASURED LENGTH (L1 L1)							7.673
Girth at Bow	0.785		Girth at Stern		2.117		
2x vertical Heigth at Bow (Substract)	0.600			th at Stern (Substra			
O at Bow	0.185		O at Stern		0.857		
Add 1 1/2 O at Bow (min 0.270m)		0.278	Add 1/3 O at St	tern (min 0.200m if t	ouilt after 1961)	0.286	
Add any penalty (displ. and beam)						0.000	0.007
CORRECT LENGTH L	4.004		Ciria dita di Cta	ah a a a d	4.007	L	8.237
Skin d to d1 Port Chain d to d1 Port	1.801 1.796		Skin d to d1 Sta Chain d to d1 St		1.807		
d Port	0.005		d Starboard	larboard	0.004		
Add d	0.005		d Starboard		0.004	0.009	
Add GIRTH 2 d						0.003	0.018
Mean Freeboard Bow O Actual	0.850					_	0.010
Mean Freeboard Midship d Actual	0.733						
Mean Freeboard Stern O Actual	0.720		Sum of Freeboa	ards	2.303		
Substract FREEBOARD, F (max 0.730)						0.768	0.730
Add SAIL AREAS (Square root)							6.696
TOTAL OF MEASUREMENTS						Γ	14.221
Total of measurements divided by	2.37						6.000
PENALTY (draught and tumble home)						0.000	
FINAL RATING							6.000
		PE	NALTIES	The same			
Overhang Forward to L bow Δ L-L1	0.250	1.547	Total overhang	(Substract from ov	erall length)	3.605	
Overhang Aft to L aft Δ L-L1	0.111	2.058	The second secon	sion from salt water	The state of the s	0.011	
NATERLINE LENGTH Actual							7.31
DISPLACEMENT (by weighing) w	eight (tons)	4.297	Minimum Weigh	nt for Zero Penalty	(ton) (Water of	4.297	
Displacement in m <sup>3</sup>		4.192	sg 1.025ton/m <sup>3</sup> )				
Equivalent LWL (for Displ. < min.)		7.312	Minimum Displa	acement for Zero P	enalty, m <sup>3</sup>	4.192	
Difference (eq. Lwl - actual Lwl) (if positive	e penalty)	0.000	=(0.2*LWL+0.1	5) <sup>3</sup>		_	
			DISPLACEMEN	IT PENALTY (add	2x to L)		0.000
DRAUGHT (actual)		1.662	Difference (if po			-0.008	
Max. Draught for Zero Penalty (0.16*LWL-	+0.5)	1.670	DRAUGHT PEN	NALTY (add 3x exc	ess to Rating)	L	0.000
BEAM (Min) built b	efore 1937	1.830	Difference (if po	sitive penalty)	no penalty	-0.025	
Max Beam at 1/3 of Midship Freeboard		1.855	BEAM PENALT	Y (add 4x to L)			0.000
Tumblehome Max. (2% of Extr. Beam)		0.037	Extreme Beam			1.855	
Measured Tumblehome		0.006	Beam at deck			1.843	
Difference (if positive penalty)		-0.031		PENALTY (add 3	x excess to Ratin	g)	0.000
		S	AIL PLAN				
Mainsail luff height A = 12.300		oretriangle I (r	max 9.75m) =	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND	ight of Sail Plan		13.000
Mainsail boom length B = 4.965	Tarres on the second	retriangle J =		3.450		om Heigth =	0.700
Rated Mainsail Area 30.535	Rated For	etriangle Area		14.296	Sail Area for	Rating S =	44.83
SAIL LIMITS				0.450			
Mainsail max girth at 1/2 ht. 67% 3.327	Genua ma	x. foot length (	J + 3m)	6.450			
Mainsail max girth at 3/4 ht. 39% 1.936							
Spinnaker: Min. ½ girth 75% of ½ foot length  3.234	Foot may b	readth (250%	n	8.625 Max. luff le	ngth 10.774	Boom length	3.450
7. 72 grun 7 5 76 01 72 1000 lengur 3.234					10.774	Booth length [	3.430
	Deck	Half-Height	Jib-Halyard	Head			
Mast dimensions (mm)	125×160	125x160	125x160		CG posititon (from	meas, point)	5.12
Mast section area (cm²)	165	165	165	59		last Weight	64.8
Mast section ratio (max 1.35)	1.28	1.28	1.28	1.27		ast material	Alu
		DECK M	EASUREME	NTS			
Cockpit dimensions			Hatch dimensio		Spinnaker ho	oom recess on	deck
COCKPIL difficilisions			T - 1	500 m			
STATE OF THE PROPERTY OF THE PARTY OF THE PA					Laurath	ING AND B	PATA
Distance to sheerline					Length		
Distance to sheerline 1st cockpit					Length Width	SALLING AND B	15/1
Distance to sheerline 1st cockpit 2nd cockpit	in Rule		no hatch			St.	18
Distance to sheerline 1st cockpit 2nd cockpit Total area of openings m <sup>2</sup>	in Rule	04.700	no hatch			SH SH	1 富
Distance to sheerline Ist cockpit 2nd cockpit Total area of openings m <sup>2</sup> Date and place of Measurement	in Rule	21.7.2013	Kot		Width Depth		21.7.201
Distance to sheerline Ist cockpit 2nd cockpit Fotal area of openings m <sup>2</sup> Date and place of Measurement Measurer's Name(s)		Matti Muoni	Kot ovaara, 6 m class	measurer FIN-00	Width Depth		21.7.201
Distance to sheerline 1st cockpit 2nd cockpit		Matti Muoni Finnish Sai	Kot	measurer FIN-00	Width Depth	AND MAL AUTHO	21.7.201



Yacht's Name	Nirvana	
National letters and Sail Number	GBR 33 Club	
Designer	Olin Stephens (1939)	
Builder	&R and Robbie &Berkir	Building Year 2011
Owner	Andy & Lisa Postle	
Owner's Address	9 Third Avenue, Billaco	ombe, Plymouth, PL9 8AN
Lloyds R class certificate		
RATI	NG CERTIFICATE	
This yacht has been measured by m and has been four	easurer(s) appointed by the add to rate not more than 6.00	
This certificate is dated	31-May-22	
Measurer	Adam Parry	Signature A.Parry
Valid until	31-May-26	v
Supersedes	18th June 2020	(enter former certif. number or date)
Signature	_	TECHNICAL Stamp of Authority of the Royal Yachting Association
NTA/ECIIIICAI		Noyal Tachting Association

Date:

31-May-22

Yacht's name: Nirvana

RATING CALCULATION								
OVERALL LENGTH	11.026	11.026						
Overhang Forward to L1 1.544								
Overhang Aft to L1 1.679	0.000							
Subtract Total Overhang  MEASURED LENGTH (L1 L1)  3.223	-3.223 <b>7.803</b>							
Girth at Bow 0.789	7.803							
Subtract Twice vertical Height at Bow 0.600	,							
O at Bow (min 0.180 m) 0.189								
Add 1 1/2 O at Bow (min 0.270 m)	0.284							
Girth at Stern 1.949 Subtract Twice vertical Height at Stern 1.146								
O at Stern 0.803								
Add 1/3 O at Stern (min 0.200 m)	0.268							
Add any penalty at O2	0.000							
Add any Beam / Displacement Penalty	0.054							
Sum of Length and Girth Corrections  CORRECT LENGTH L	8.354	8.354						
CONNECT LENGTH L		0.334						
Skin d to d1 Port								
Chain d to d1 Port 1.758								
d Port  O.002	0.002							
Skin d to d1 Starboard 1.761 Chain d to d1 Starboard 1.758								
d Starboard 0.003	0.003							
Add d	0.005							
GIRTHS Add 2d	0.010							
Add to find sum of measurements	8.364	0.004						
		8.364						
Mean Freeboard Bow O Actual 0.845 0.845								
Mean Freeboard Midship d Actual 0.712 0.712								
Mean Freeboard Stern O Actual 0.661 0.661								
Sum of Freeboards  2.218  Subtract (1/2) EREEROARD E	0.720							
Subtract (1/3) FREEBOARD, F Add SAIL AREAS (Square root)	0.730 6.587							
Nad ONE AREAG (Oquale 1000)	14.221							
TOTAL OF MEASUREMENTS		14.221						
Calculated Rating	6.000							
Add any Tumblehome / Draught Penalty RATING	0.000	0.000						
Date and place of Measurement Plymouth May 2022		6.000						
Figure 2.12 p.doc of Mododioment								
Measurer's Name(s) Adam Parry Signature	A.Parry							
Yacht's name : Nirvana Date :	31-May-22							

F	PENALTIES					
Length overall Overhang Forward to L Overhang Aft to L Subtract from overall length WATERLINE LENGTH			11.026 1.814 2.001 3.815 7.211			
BEAM  Beam at 1/3 of Midship Freeboard (actu Minimum Beam at 1/3 of Midship Freebo Difference (if positive) BEAM PENALTY (add to L)			1.872 1.830 0.000	0.000		
TUMBLEHOME  Tumblehome Max both sides. (2 x 2% of Extreme Beam  Beam at deck  Difference (if positive)  TUMBLEHOME PENALTY (add to Ration			0.075 1.872 1.866 0.006	0.000		
WEIGHT [ton] (actual including added balla Minimum Displacement for Zero Penalty Minimum Weight for Zero Penalty [ton] LWL for Zero Penalty Difference DISPLACEMENT PENALTY (add to L)	[m3]		4.221 4.036 4.137 7.264 0.000	0.000		
DRAUGHT (actual)  Maximum Draught for Zero Penalty Difference (if positive) DRAUGHT PENALTY (add to Rating)			1.647 1.654 0.000	0.000		
	SAIL PLAN					
Spinnaker boom Length  Rated Mainsail Area	3.735  J= 3.735  A= 12.140  27.922	l = B=	9.745			
Rated Foretriangle Area TOTAL RATED SAIL AREA	15.469 43.391		√s	6.587		
	Flotation					
Flotation checked satisfactory Water Salinity = 1.025	1 lotation					
Measurer's Notes						
Anchor position under mainsheet post. V Reweighed + flotation checked New Mast and rig setup	Veight 10kgs class minimi	ım.				
	ymouth May 2022					
Measurer's Name(s)	Adam Parry	Signature	A.Parry			
Yacht's name :	Nirvana	Date:	31-May-22			







Yacht's Name Stardust

National Letters & Sail Number ESP 91 Fleet CLASSIC Appendix A

Designer H.Copponex Design Year 1945

Builder Egger Build Year 1945

Owner Brothers Campos World Sailing Building Plaque no.

(If built after 1 Jan 1991) n/a

#### RATING CERTIFICATION

This yacht has been measured by the measurer(s) noted below, who is(are) approved by the yacht's Member National Authority (MNA) or by ISMA, to certify that it has been found to rate not more than 6.000:

Dated (certification start date) 07/09/2024

Measured by Antonio Cardona

On behalf of MNA RFEV

 Valid until
 06/09/2028

 Supersedes
 20/11/2019

Place of measurements & flotation Sanxenxo

Conditions at location of flotation 0 kns flat water 20 C

(Include details of wind & water conditions, air temperature & the time of day)

SG (specific gravity) of water at flotation 1,022 kg/m³

Any correction applied to flotation/freeboards due to conditions (mm) 0

(Salt Water 1.025 kg/m³ & Immersion in salt/fresh water = 0.012m)

Loadcell details/calibration Gram C5 last calibration 27-08-24

Stamp of MNA (or ISMA):



MNA (or ISMA) signature: Firmado por BONILLA PAZ RAFAEI JUAN - \*\*\*5607\*\* el día 24/09/2024 con un certificado emitido por AC FNMT Usuarios

RATING CALCULATION	
OVERALL LENGTH	10,735
Overhang Forward to L1 1,41	
Overhang Aft to L1	
Total Overhang (Subtract) 3,14	19
MEASURED LENGTH (L1 to L1)	7,586
Girth at Bow 0,80	00
Twice vertical Height at Bow (Subtract) 0,60	
O at Bow (min 0.180 m) 0,20	
Add 11/2 O at Bow (min 0.270 m)	0,300
Girth at Stern 1,99	
Twice vertical Height at Stern (Subtract) 1,04	
O at Stern 0,94	
Add 1/3 O at Stern (min 0.200 m)	0,314
Add any penalty at O2 (see Rule 3. Length - only for boats after 1 Nov 1970)	0,000
Add any Beam and/or Displacement penalty	0,000
CORRECT LENGTH L (Sum of L1 Length and O Bow/Stern Girth Corrections)	8,200
Skin d to d1 Port	31
Chain d to d1 Port 1,07	
d Port 0,00	0,007
Skin d to d1 Starboard 1,08	31
Chain d to d1 Starboard 1,07	<mark>/4</mark>
d Starboard 0,00	0,007
Add d	0,014
GIRTH MIDSHIP DIFFERENCES (2d)	0,028
RATED LENGTH (Sum of Correct Length and Midship Girth Differences 2d)	8,228
(Calc. only nec. for boats after 1 Nov 1970) Actual Calc.	
Mean Freeboard Bow O 0,828 0,828	
Mean Freeboard Midship d 0,658 0,658	
Mean Freeboard Stern O 0,613 0,613	
Sum of Freeboards 2,099	
Classic Immersion Marks d Freeboard (only for Classic Appendix A boats) 0,680	]
<b>Subtract F, ⅓ FREEBOARD (max 0.730)</b> 0,69	9 0,699 7,529
Add Square root of TOTAL RATED SAIL AREA	6,690
TOTAL OF MEASUREMENTS (max 14.222)	14,219
RATING Calculation (Total of Measurements/2.37)	5,999
Tumblehome and/or Draught Penalty (to be added to the Rating)	0,000

FINAL RATING (not more than 6.000)

5,999

6mR	Stardust	ESP 91		07/09/2024		Page 3
PENALTIES						
Overhang Forward to L ( Overhang Aft to L (LWL) Subtract from overall ler	•			1,677 2,064	3,741	10,735
Add any increase to L du (see Rule 5 Hollows, Measurer	e to Projections, N				0,000	
WATERLINE LENGTH (LWL)		,		3		6,994
Minimum Displacement	for Zero Penalty [	m <sup>3</sup> ] (0.2*LWL+	+0.15) <sup>3</sup>		3,709	
Minimum Weight for Zei	· · · · · · · · · · · · · · · · · · ·			nne/m³)	3,801	
DISPLACEMENT			_	ial including add		4,208
Equivalent LWL for Zero Difference				<b>3</b> ***	7,255 0,000	,
DISPLACEMENT PENALT	Y (add 2x to I)				0,000	0,000
BEAM (minimum beam at 1/3 of		rd above IWI)			1,830	0,000
Actual beam at ½ of mid					1,905	
Difference (if less than m	•				0,000	
BEAM PENALTY (add 4x	,	nts laid down	after Sept 193	37)		0,000
TUMBLEHOME (max 2x 2% of				•	0,076	
Extreme Beam	,				1,905	
Beam at deck					1,845	
Difference (if greater tha	n maximum allow	ed)			0,000	
TUMBLEHOME PENALTY	(add 3x excess t	o Rating)				0,000
<b>DRAUGHT</b> (actual at deepest p			(span not to e	xceed 1830mm		
Maximum Draught for Ze					1,619	
Difference (if greater tha					0,021	
DRAUGHT PENALTY (add	d 3x excess to Rat	ing)				0,063
SAIL PLAN						(max 9.750m)
Height of Sail Plan (max 13.000r	m above datum)	12,800	J	3,480	1	9,750
Boom Height (min. 400 to max. 11	· ·	0,900	A	11,900	В	5,100
Foretraingle area (max (J or spin b	oom)xI/2)	16,965		Rated Mainsa	il Area (AxB/2)	30,345
Rated Foretriangle Area (85% of	le l	14,420		Total Rated Sa	, , ,	44,765
Spinnaker boom (length in extension			0,000		٧s	6,690
Sail Limits			,			
Mainsail	May girth at 1/	2 height (MHW 6	79 <b>3,417</b>	May girth at 3/4 l	neight (MTW 39%)	1,989
Genoa		gth (HFL J + 3.00		Wax girtir at 5/41	icignic (IVIT VV 3370)	1,505
	leech SLE length (80%			Max foot bread	th (SFL 250% J)	8,700
	iccon ozz icngan (oo/o	0. 13*11 *2.000	.,		,	
SPARS MEASUREMENTS		F 200	N 4 = a+ \ \ \ / a : a	ht (: 62 541)	CAL	
MAST CG from datum point (90mr (CG position min 4.940m abov	·	<b>5,200</b> Deck	1/2 Height	tht (min 63.51kg) Forestay	64kg	Material
(CG position min 4.940m abov	re datum)	(min 132.7cm <sup>2</sup> )	(min 147.4cm <sup>2</sup> )	(min 95cm²)	(min 37.4cm <sup>2</sup> )	Aluminium
MAST dimensions [mm]		130x160	130x160	130x160	062x083	-
MAST sectional area [cm <sup>2</sup> ]		172	172	172	42	Builder & Yr
MAST section ratio [max 1.35]		1,231	1,231	1,231	1,339	Allspars 2023
DECK MEASUREMENTS		Length	Aft width	Fwd width	Area m²	Distance to sheer
	d (or single) cockpit	1,685	0,810	0,725	1,293	200mm
(max 2.700m <sup>2</sup> &	fwd keyhole	1,050	0,770	0,750	0,798	Total Area m <sup>2</sup>
sheer distance min 200mm)	aft keyhole	0,510	1,090	0,000	0,277	2,368
Hatch dimensions (max 0.400m <sup>2</sup> &	sheer min 300mm)	0,500	0,500	0,500	0,250	Distance to sheer
						200

300mm

6mR Stardust ESP 91 07/09/2024 Page 4

#### **NOTES & COMMENTS:**

(PLEASE include as many details as possible & all comments on measurements and/or conditions)	
Eg.	
Ballast position fore & aft (%) and weight (kg) inside the boat	
Location & weight of anchor (min. 10kg) with line (min. 30m of min. 10mm diameter) & battery(s)	
Subject to any additional flotation check before xyz date/event	
Changes in trim, freeboards or weight	
Changes in thin, freeboards of weight	
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Yacht's Name TITIA

National Letters & Sail Number ESP 72 Fleet CLASSIC

Designer David Boyd Design Year 1952

Builder Woodnut and Co. Build Year 1952

Owner Mauricio Sanchez-Bella World Sailing Building Plaque no.

(If built after 1 Jan 1991) n/a

#### **RATING CERTIFICATION**

This yacht has been measured by the measurer(s) noted below, who is(are) approved by the yacht's Member National Authority (MNA) or by ISMA, to certify that it has been found to rate not more than 6.000:

Dated (certification start date) 06/07/2023

Measured by Antonio Cardona Espin

On Behalf of MNA RFEV

 Valid until
 05/07/2027

 Supersedes
 06/07/2023

Place & Time of Measurements Sanxenxo 7:00

Conditions at Flotation (wind, water & ter 2 knots light wind with flat water

SG (specific gravity) of Water at Flotation 1,025 kg/m<sup>3</sup>

Any correction applied to flotation/freeboards due to conditions (mm) 0

(Salt Water 1.025 kg/m<sup>3</sup> & Immersion in salt/fresh water = 0.012m)

Loadcell details/calibration KERN HFA 5T -3WF19012330 CALIBRATION 10-4-23

Stamp of MNA (or ISMA): MNA (or ISMA) signature:

Firmado por BONILLA PAZ RAFAEL JUAN - \*\*\*5607\*\* el

día 24/09/2024 con un certificado emitido por AC

FNMT Usuarios

6mR	TITIA	ESP 72		06/07/2023		Page 2
RATING CALCULATION						
OVERALL LENGTH					11,246	11,246
Overhang Forward to L1				1,482		
Overhang Aft to L1				1,953		
Total Overhang (Subtract)				3,435		
MEASURED LENGTH (L1 to L1)					7,811	
Girth at Bow				0,797		
Twice vertical Height at Bow	(Subtract)			0,600		
O at Bow				0,197		
Add 11/2 O at Bow (min 0.270 n	1)				0,295	
Girth at Stern				1,940		
Twice vertical Height at Sterr	(Subtract)			1,182		
O at Stern				0,758		
Add 1/3 O at Stern (min 0.200 m	)				0,252	
Add any penalty at O2 (see Ri	ule 3. Length - o	nly for boats a	ter 1 Nov 1970	0)	0,000	
Add any Beam and/or Displa	cement Penalt	У			0,000	
CORRECT LENGTH L (Sum of L1	Length and C	) Bow/Stern	Girth Correc	ctions)		8,358
Skin d to d1 Port				1,741		
Chain d to d1 Port				1,737		
d Port				0,004	0,004	
Skin d to d1 Starboard				1,746		
Chain d to d1 Starboard				1,741		
d Starboard				0,005	0,005	
Add d					0,009	
GIRTH MIDSHIP DIFFERENCES (	2d)				0,018	
RATED LENGTH (Sum of Correct	•	Midship Girt	h Difference	es 2d)	0,010	8,376
(Calc. only nec. for boats afte	r 1 Nov 1970)	Actual	Calc.			
Mean Freeboard Bow O	11100 1370,	0,859	0,859			
Mean Freeboard Midship d	_	0,715	0,715			
Mean Freeboard Stern O		0,681	0,681			
Sum of Freeboards	_	0,001	2,255			
Classic Immersion Marks d Fr	eeboard (only	for Classic App		0.680 or n/a		
Subtract F, 1/3 FREEBOARD (max			,	0,751	0,730	7,646
, ,	,					,
Add Square root of TOTAL RATI	ED SAIL AREA	l			6,575	
TOTAL OF MEASUREMENTS						14,221
Add any Tumblehome and/o	Draught Pena	alty			0,000	14,221
RATING Calculation - Total o	of Measurem	ents (may 14	1.222\/2.37	(= not more tha	n 6.000)	6,000
Carcalation - Iotal	cusureni	cito (iliax 1		,	5.555)	3,500

6mR	TITIA	ESP 72		06/07/2023		Page 3
PENALTIES						
Overhang Forward to L (LW	/L)			1,712		
Overhang Aft to L (LWL)				2,267		
Subtract from overall lengt	:h				3,979	
Add any increase to Aft L lo	ocation due to P	roiections. No	otches or Hollo	ows	0,000	
(see Measurement Instructions						
WATERLINE LENGTH (LWL)	7120 G 17120, Include	ng ror radaer ne	ps exterioning are	randici dian de oi i		7,267
Minimum Displacement fo	r Zoro Bonalty (r	n <sup>3</sup> 1 (∩ 2*1 \/\.	۲0 1E/3		4,119	7,207
·	, -	- 1	•	3,	-	
Minimum Weight for Zero			-		4,221	4.040
DISPLACEMENT				ial including add		4,249
Equivalent LWL for Zero Pe	naity ((weight/)	025)v-0.15)	/0.2)		7,280	
Difference					0,000	
DISPLACEMENT PENALTY						0,000
BEAM (minimum beam at ½ of m	•	d)			1,830	
Actual beam at ½ of midsh	ip freeboard				1,850	
Difference (if positive)					0,000	
BEAM PENALTY (add 4x to		its laid down	after Sept 193	37)		0,000
TUMBLEHOME (max 2x 2% of Ex	treme Beam)				0,074	
Extreme Beam					1,850	
Beam at deck					1,820	
Difference (if positive)					0,000	
TUMBLEHOME PENALTY (		٠.			,	0,000
DRAUGHT (actual at deepest poi			(span not to e	exceed 1830mm	-	
Maximum Draught for Zero	Penalty (0.16*	LWL+0.5)			1,662	
Difference (if positive)					0,000	
DRAUGHT PENALTY (add 3	sx excess to Rat	ing)				0,000
SAIL PLAN	F				_ 1	(max 9.750m)
Maximum Height of Sail Plan (max	13.000m above dati	13,000	J	3,600	ı	9,748
Boom Height (min 400 to 1100mm fr	om datum)	0,900	Α	12,130	В	4,670
Foretraingle area (max (J or spin bo	om)xI/2)	17,546		Rated Mainsa	il Area (AxB/2)	28,323
Rated Foretriangle Area (85% of m	· · · · · -	14,914		Total Rated Sa		43,237
	-				٧S	6,575
Spinnaker boom (length in extension to	outer end from fwd f	ace of the mast)	3,500	110% J	3,960	·
Sail Limits						
Mainsail	Max girth at 1/2	height (MHW 6	<b>3,128</b>	Max girth at 3/4	height (MTW 39%)	1,821
Genoa	Max foot len	gth (HFL J + 3.00	6,600			
Spinnaker Max luff SLU/lee	ch SLE length (80%	of VJ+VI +2.500	m) <b>10,813</b>	Max foot bread	lth (SFL 250% J)	9,000
SPARS MEASUREMENTS						
MAST CG from datum point (90mm	above sheer)	5,285	Mast Weig	ght (min 63.51kg)	77,1	Material
(CG position min 4.940m above	datum)	Deck	1/2 Height	Forestay (min	Head	aluminium
MAST dimensions [mm]	Г	(min 132.7cm²)	(min 147.4cm²)	95cm²)	(min 37.4cm²)	
• • •	F	126x167	123x166	110x133	072x079	المام و المام
MAST sectional area [cm²] MAST section ratio [max 1.35]	F	174 1,325	168	121	1 007	Builder & Yr
DECK MEASUREMENTS	Ļ		1,350	1,209	1,097 Area m²	Distance
	(or single) cockpit	Length	Aft width	Fwd width		Distance to sheer 200mm
2	fwd keyhole	0,000 1,930	0,000	0,000	0,000 1,428	Total Area m <sup>2</sup>
sheer distance min 200mm) a	·	1,930	0,850	1,214	0,530	1,958
Hatch dimensions (max 0.400m <sup>2</sup> & sh	· -	0,500	0,500	0,500	0,250	Distance to sheer
	cc 500mm) [	0,500	0,300	0,300	0,230	300mm
					L	55511111
6mR	TITIA	ESP 72		06/07/2023		Page 4

new mast

Titia mast changed due broken , actual mast measured 2023

#### **SPARS MEASUREMENTS** MAST CG from datum point (90mm Mast Material 5,285 77,1 above sheer) Weight (min 63.51kg) Deck 1/2 Height Forestay Head (CG position min 4.940m above **ALUMINIUM** (min 132.7cm<sup>2</sup>) (min (min 95cm<sup>2</sup>) (min 37.4cm<sup>2</sup>) datum) 147.4cm<sup>2</sup>) MAST dimensions [mm] 170X125 170X125 170X125 062x083 MAST sectional area [cm<sup>2</sup>] 175 175 175 42 Builder & Yr MAST section ratio [max 1.35] 0,735 0,735 0,735 1,339 **ALLSPARTS**



# <u>6</u>



## **INTERNATIONAL SIX METRE CLASS**

Yacht's Name Valdai

National Letters & Sail Number GBR 40 Fleet CLASSIC

Designer Alfred Mylne Design Year 1930

Builder Bute Slip Dock Co. Build Year 1930

Owner Dirk Stolp & Tom Owen World Sailing Building Plaque no.

(If built after 1 Jan 1991) n/a

#### RATING CERTIFICATION

This yacht has been measured by the measurer(s) noted below, who is(are) approved by the yacht's Member National Authority (MNA) or by ISMA, to certify that it has been found to rate not more than 6.000:

Dated (certification start date) 03/09/2021

Measured by David Chivers

On behalf of MNA RYA, UK

Valid until 02/09/2025

Supersedes 08/10/2015

Place of measurements & flotation Fowey 11:00

Conditions at location of flotation 5 knots light wind with flat water at 14°C

(Include details of wind & water conditions, air temperature & the time of day)

SG (specific gravity) of water at flotation 1.025 kg/m³

Any correction applied to flotation/freeboards due to conditions (mm)

(Salt Water 1.025 kg/m<sup>3</sup> & Immersion in salt/fresh water = 0.012m)

Loadcell details/calibration Borrowed from Ian Howlett

Stamp of MNA (or ISMA):

MNA (or ISMA) signature:

TECHNICAL

6mR	Valdai GBR 40	03/09/2021		Page 2
RATING CALCULATION				
OVERALL LENGTH			10.700	10.700
Overhang Forward to L1		1.240		
Overhang Aft to L1		1.860		
Total Overhang (Subtract)		3.100		
MEASURED LENGTH (L1 to L1)			7.600	
Girth at Bow		0.840		
Twice vertical Height at Bow (Subtra	ct)	0.600		
O at Bow (min 0.180 m)		0.240	0.360	
Add 11/2 O at Bow (min 0.270 m) Girth at Stern		2.190	0.360	
Twice vertical Height at Stern (Subtr	act)	1.202		
O at Stern		0.988		
Add 1/3 O at Stern (min 0.200 m)			0.329	
Add any penalty at O2 (see Rule 3. Le	ngth - only for boats after 1 Nov 1970)		0.000	
Add any Beam and/or Displacement	penalty		0.000	
CORRECT LENGTH L (Sum of L1 Length	n and O Bow/Stern Girth Correction	ons)		8.289
Skin d to d1 Port		1.797		
Chain d to d1 Port		1.789		
d Port		0.008	0.008	
Skin d to d1 Starboard		1.793		
Chain d to d1 Starboard		1.786		
d Starboard		0.007	0.007	
Add d			0.015	
GIRTH MIDSHIP DIFFERENCES (2d)			0.030	
RATED LENGTH (Sum of Correct Lengt	h and Midship Girth Differences 2	?d)		8.319
(Calc. only nec. for boats after 1	Nov 1970) Actual Calc.			
Mean Freeboard Bow O	0.772 0.773	2		
Mean Freeboard Midship d	0.697 0.693	-		
Mean Freeboard Stern O	0.691 0.693	_		
Sum of Freeboards	2.160	<u> </u>		
Classic Immersion Marks d Freeboar	rd (only for Classic Appendix A boats)	0.672		
Subtract F, 1/3 FREEBOARD (max 0.730	)	0.720	0.720	7.599
Add Square root of TOTAL RATED SAIL	AREA		6.623	
TOTAL OF MEASUREMENTS (max 14.2	222)			14.222
RATING Calculation (Total of Meas	urements/2.37)			6.000
Tumblehome and/or Draught Penal	ty (to be added to the Rating)	. =	0.000	
FINAL RATING (not more than 6.000)				6.000

6mR		Valdai	GBR 40		03/09/2021		Page 3
PENALTIES							
Overhang	Forward to L (LWL)				1.550		
15.	Aft to L (LWL)				2.165		
Subtract f	om overall length					3.715	10.700
Add any in	crease to L due to Projec	tions. Notch	es or Hollow	s (Aft R5 & Fwo	I M18)	0.000	
	ollows, Measurement Instruc						k axis @ LWL)
WATERLINE LENG				• 0 00 00		6	6.985
Minimum	Displacement for Zero P	enalty [m³] (0	.2*LWL+0.1	5) <sup>3</sup>		3.702	
	Weight for Zero Penalty				n <sup>3</sup> )	3.794	
DISPLACEMENT				-	· , I including added		3.946
Equivalent	LWL for Zero Penalty ((v				· · · · · · · · · · · · · · · · · · ·	7.085	3.540
Difference	,		, , , , , , , , , , , , , , , , , , ,	•		0.000	
DISPLACE	/IENT PENALTY (add 2x t	o L)					0.000
BEAM (minimum	beam at 1/3 of midship fr	eeboard abov	e LWL)			1.830	
Actual bea	m at ⅓ of midship freebo	ard				1.996	
Difference	(if less than minimum allow	ed)				0.000	
BEAM PEN	ALTY (add 4x to L, only f	or yachts laid	down after	Sept 1937)			0.000
TUMBLEHOME (r	nax 2x 2% of Extreme Bea	am)				0.078	
Extreme Be						1.996	
Beam at de						1.942	
	(if greater than maximum a	-				0.000	
	OME PENALTY (add 3x ex		••				0.000
	at deepest point) <b>keel</b> ,			not to exceed	1830mm)	1.554	
	Draught for Zero Penalty (if greater than maximum a	<u>-</u> .	J.5)			1.617	
	PENALTY (add 3x excess					0.000	0.000
	,						0.000
SAIL PLAN							(max 9.750m)
-	(max 13.000m above datum		13.000	J	3.422	1	9.700
Boom Height (min	400 to 1100mm above datur	m)	0.730	Α	12.270	В	4.852
	(max (J or spin boom)xI/2)		16.596		Rated Mainsail	Area (AxB/2)	29.767
Rated Foretriangl	e Area (85% of measured are	ea)	14.106		Total Rated Sail		43.873
Spinnaker bo	om (length in extension to oute	er end from fwd fad	e of the mast)	3.422		٧S	6.623
Sail Limits							
/lainsail	Max girth at	t 1/2 height (MH	W 67%)	3.250	Max girth at 3/4 he	1.892	
Genoa		length (HFL J+	-1011 SC0150-004	6.422			
Spinnaker	Max luff SLU/leech SLE length	n (80% of √J+√l +	2.500m)	10.728	Max foot breadth	(SFL 250% J)	8.555
PARS MEASUR	EMENTS						
MAST CG from datu	m point (90mm above sheer)		4.972	Mast Wei	ight (min 63.51kg)	64kg	Material
(CG position	min 4.940m above datum)	(m	Deck in 132.7cm <sup>2</sup> )	1/2 Height (min 147.4cm²)	Forestay (min 95cm²)	Head (min 37.4cm <sup>2</sup> )	Aluminium
MAST dimensions [	nm]		125x162	125x162	125x162	082x110	
MAST sectional are	[cm <sup>2</sup> ]		167	167	167	74	Builder & Yr
MAST section ratio	max 1.35]		1.296	1.296	1.296	1.341	Allspars 2011
DECK MEASURE	MENTS		Length	Aft width	Fwd width	Area m²	Distance to sheer
Cockpit dimensions:	fwd (or single) coc	kpit	1.873	0.965	0.749	1.605	465mm
(max 2.700m			0.754	0.804	0.918	0.649	Total Area m <sup>2</sup>
(IIIax 2.700III							2.254
sheer distanc	e min 200mm) aft keyhole		-	-	-	-	2.254
sheer distanc	e min 200mm) aft keyhole nax 0.400m <sup>2</sup> & sheer min 300	mm)	-	-	-	-	Distance to sheer

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#### **NOTES & COMMENTS:**

July 2012- Andy Wibroe & Bas Edmonds (RYA) new full measurement post full restoration, Appendix A Classic rating.
loyds registry 1931 reference 6249,13 R.
Loyus registry 1901 reference 0249,13 N.
27 July 2013 - Sail Plan adjusted with J corrected at 3.400m (from 3.365) and A changed to 12.205m (from 12.270).
2.7 Suly 2015 Sull Fluir dejusted wars conference and fine the sulface a
October 2015 - revalidated by Debbie Smith (RYA) after flotation checked 30 July 2015 at The Elephant Boatyard, Hamble River.
adjusted to 3.422m (centre of forestay Bartels unit on deck) and A to 12.168m.
2004 - County Land County and Chinary
2 September 2021 - revalidation checks for rating certificate, water salinity checked at 1.025, Fowey Harbour (David Chivers).
2022 with a furtire amounted by Care Deleved Powin (quant magging at Sanyanya Worlds 2022). O at Stam incorrect
30 June 2023 - correction of rating error spotted by Guy-Roland Perrin (event measurer at Sanxenxo Worlds 2022), O at Stern incorrect
number entered on orignal certificate in 2012 leading to Correct Length (L) too long. O at Stern now correct at 0.988 - Sail Plan
adjusted and Total Rated Sail Area (S) increased as a result - A increased to 12.270m & B to 4.852m.
agusted and Total Rated Sall Area (5) increased as a result - A increased to 12.270m & b to 4.032m.