





INTERNATIONAL SIX METRE CLASS

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 & ten 2 knots light wind with flat water

SG (specific gravity) of Water at Flotatior 1,025 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 KERN HFA 5T -3WF19012330 CALIBRATION 10-4-23

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



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RATING CALCULATION						
OVERALL LENGTH					11,246	11,246
Overhang Forward to L1				1,482	11,210	11,110
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 (Sul	otract)			0,600		
O at Bow				0,197		
Add 11/2 O at Bow (min 0.270 m)					0,295	
Girth at Stern				1,940		
Twice vertical Height at Stern (Su	btract)			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 Rule 3	3. Length - o	nlv for boats	after 1 Nov 197	0)	0,000	
Add any Beam and/or Displacem	-	•		•	0,000	
CORRECT LENGTH L (Sum of L1 Len	gth and C	Bow/Ster	n Girth Corre	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 Le	ngth and	Midship Gi	rth Difference	es 2d)		8,376
(Calc. only nec. for boats after 1 l	Nov 1970)	Actual	Calc.			
Mean Freeboard Bow O		0,859	0,859			
Mean Freeboard Midship d		0,715	0,715			
Mean Freeboard Stern O		0,681	0,681			
Sum of Freeboards	_		2,255			
Classic Immersion Marks d Freek	oard (only	for Classic Ap		n/a		
Subtract F, ½ FREEBOARD (max 0.2	730)			0,751	0,730	7,646
Add Square root of TOTAL RATED S	SAIL AREA	ı			6,575	
TOTAL OF MEASUREMENTS						14,221
Add on Tumblehome 1/ D	awaht Dari				0.000	14 224
Add any Tumblehome and/or Dr	augni Pena	iity			0,000	14,221
RATING Calculation - Total of N	leasurem	ents (max	14.222)/2.37	(= not more that	an 6.000)	6,000

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PENALTIES						
Overhang Forward to L (LWL)				1,712		
Overhang Aft to L (LWL)				2,267		
Subtract from overall length					3,979	
Add any increase to Aft L location	on due to Pi	roiections. No	otches or Holl	ows	0,000	
(see Measurement Instructions M18 &		-				
WATERLINE LENGTH (LWL)		ū	, ,		,	7,267
Minimum Displacement for Zero	o Penalty (r	n ³ l (0.2*LWL	+0.15) ³		4,119	,
Minimum Weight for Zero Pena				nne/m³)	4,221	
DISPLACEMENT				ual including ad		4,249
Equivalent LWL for Zero Penalty		•	• •	uai incluumg au	7,280	4,243
Difference	((8)	,	, - : = ,		0,000	
DISPLACEMENT PENALTY (add	2x to L)					0,000
BEAM (minimum beam at 1/3 of midshi		d)			1,830	
Actual beam at ⅓ of midship fre	eboard				1,850	
Difference (if positive)					0,000	
BEAM PENALTY (add 4x to L, or	nly for yach	its laid down	after Sept 19	37)		0,000
TUMBLEHOME (max 2x 2% of Extrem	e Beam)				0,074	
Extreme Beam					1,850	
Beam at deck					1,820	
Difference (if positive)					0,000	
TUMBLEHOME PENALTY (add 3		٠.				0,000
DRAUGHT (actual at deepest point) ke	-	• .	(span not to e	exceed 1830mm	·	
Maximum Draught for Zero Pen	alty (0.16*)	LWL+0.5)			1,662	
Difference (if positive)		_			0,000	
DRAUGHT PENALTY (add 3x ex	cess to Rati	ing)				0,000
SAIL PLAN	г					(max 9.750m)
Maximum Height of Sail Plan (max 13.000)m above dati	13,000	J	3,600	Ī	9,748
Boom Height (min 400 to 1100mm from da	ıtum) 📙	0,900	Α	12,130	В	4,670
Foretraingle area (max (J or spin boom)xI/	'2)	17,546		Rated Mainsa	il Area (AxB/2)	28,323
Rated Foretriangle Area (85% of measure	ed area)	14,914		Total Rated Sa	il Area (S)	43,237
					νs	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						
		height (MHW 6		Max girth at 3/4	height (MTW 39%	1,821
		gth (HFL J + 3.00				
Spinnaker Max luff SLU/leech SLE	: length (80%	of VJ+VI +2.500	m) 10,813	Max foot bread	lth (SFL 250% J)	9,000
SPARS MEASUREMENTS	г	F 20F			77.4	
MAST CG from datum point (90mm above	-	5,285 Deck	Mast Weight	ght (min 63.51kg) Forestay (min	77,1 Head	Material
(CG position min 4.940m above datum	, _	(min 132.7cm ²)	(min 147.4cm ²)	95cm ²)	(min 37.4cm ²)	WOOD
MAST dimensions [mm]	_	130x160	130x160	130x160	062x083	
MAST sectional area [cm²]	-	172	172	172	42	Builder & Yr
MAST section ratio [max 1.35]	L	1,231	1,231	1,231	1,339	
DECK MEASUREMENTS	.,	Length	Aft width	Fwd width	Area m²	Distance to sheer
	gle) cockpit _ eyhole	0,000 1,930	0,000	0,000	0,000 1,428	200mm Total Area m ²
sheer distance min 200mm) aft keyl	· -	1,930	0,850	1,214	0,530	1,958
Hatch dimensions (max 0.400m ² & sheer m	-	0,500	0,500	0,500	0,250	Distance to sheer
, , , , , , , , , , , , , , , , , , , ,	, _	.,	.,			300mm
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NOTES & COMMENTS:						