

BOAT Name TANIT IV - MEDILEVEL Sail Nr ESP-7625	GPH 610.4	HULL Length Overall 11.310m Maximum Beam 3.672m Displacement 6,884kg Draft 2.433m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.212% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class GRAND SOLEIL 37 BC Designer BOTIN/CARKEEK Builder DEL PARDO Series 05/2005 Age 11/2005 Age Allowance 0.455% Offset File GS37BCK3.off - 23/08/2011 13:41:00 Measurement by - 10/02/2019		IMSL 10.328m VCGD 0.199m Sink 22.01kg/mm RL 9.267m VCGM 0.120m WS 27.99m² LSM0 10.161m Displacement/Length ratio 6.5619



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	591.8			657.2		
Time on Time	1.0138			1.0271		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	701.4	540.3	481.2	902.6	661.7	569.9
Time on Time	0.9624	1.2493	1.4027	0.7478	1.0201	1.1844

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1028.7	855.9	752.5	693.6	672.6	663.9	652.0
52°	678.1	574.9	517.5	493.2	483.4	479.5	475.7
60°	642.8	548.8	503.1	482.6	472.1	467.4	464.0
75°	616.1	529.9	492.7	473.6	460.2	450.2	441.0
90°	623.3	524.7	482.7	463.1	454.1	441.5	418.9
110°	620.2	516.7	476.4	454.0	435.4	418.8	399.2
120°	638.2	527.5	481.3	457.0	434.8	414.0	383.1
135°	705.2	574.3	503.8	472.5	450.4	428.2	386.1
150°	831.5	663.2	563.0	503.0	473.7	452.8	411.9
Run VMG	960.1	765.8	649.5	573.7	521.2	484.8	442.9

Certificate
Number **762503**
ORC Ref **ESP00004406**
Issued On **23/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **704kg**
Maximum **689kg**
Minimum* **517kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Double H.GPH **617.6 0.9715**
Double H.OSN **600.2 0.9996**
Non Spin GPH **645.2 0.9299**
Non Spin OSN **624.6 0.9606**

Selected Courses							
Windward / Leeward	994.4	810.9	701.0	633.7	596.9	574.4	547.5
Circular Random	841.0	679.1	592.2	541.7	510.7	490.4	464.6
Coastal / Long Distance	991.0	761.9	632.9	556.9	519.8	491.7	446.2
Non Spinnaker	904.2	723.7	625.1	566.8	530.7	507.2	477.8

Sails Limitations
Headsails **5** Spinnakers **3**

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42.2°	40.5°	39.9°	38.4°	37.4°	37.0°	36.9°
Beat VMG	3.50	4.21	4.78	5.19	5.35	5.42	5.52
52°	5.31	6.26	6.96	7.30	7.45	7.51	7.57
60°	5.60	6.56	7.16	7.46	7.63	7.70	7.76
75°	5.84	6.79	7.31	7.60	7.82	8.00	8.16
90°	5.78	6.86	7.46	7.77	7.93	8.15	8.59
110°	5.80	6.97	7.56	7.93	8.27	8.60	9.02
120°	5.64	6.82	7.48	7.88	8.28	8.70	9.40
135°	5.11	6.27	7.15	7.62	7.99	8.41	9.32
150°	4.33	5.43	6.39	7.16	7.60	7.95	8.74
Run VMG	3.75	4.70	5.54	6.28	6.91	7.43	8.13
Gybe Angles	144.9°	149.2°	151.3°	156.5°	173.9°	180.0°	180.0°

Class Division Length
CDL = **9.798**

Storm Sails Areas
Heavy Weather Jib **29.92**
Storm Jib (JL=9.68) **11.09**
Storm Trysail **13.08**

Owner

BOAT	
Name TANIT IV - File E7625	Sail Nr ESP-7625 Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay None Fitted	Runners 0
Carbon Mast Yes	Jumper Struts None
Taper Hollows No	Jib Furler No
Fiber Rigging No	Main Furler No
Lenticular Rigging No	Without Backstay No
Articulated Bowsprit No	
P 14.290	E 5.230 MDT1 0.116 MW 0.201
IG 14.785	J 4.100 MDL1 0.196 GO 0.229
ISP 15.958	SFJ 0.245 MDT2 0.100 BD 0.160
BAS 1.575	SPL 4.363 MDL2 0.170 MWT 128.00
FSP 0.066	TPS 4.270 TL 1.100 MCG 4.320

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 16/05/2019		SG 1.0290
FFM 1.387	FF 1.386	SFFP 0.254
FAM 1.087	FA 1.086	SAFP 10.708
W1 94.8	PD1 541.3	WD 11.870
W2 94.8	PD2 539.9	GSA 1.0
W3 94.8	PD3 546.3	RSA 1.0
W4 94.8	PD4 544.5	PLM 9000.0
LCF from stem on CL / on sheer		6.268 / 6.521
Maximum beam station from stem		7.326
RM Measured		163.2kg-m
RM Default		170.6kg-m
Limit of positive stability / Stab.Index		112.2° / 115.1
Freeboard at mast at 4.345		1.191



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.450	
Type Folding 2 blades	PBW 0.116	
Twin Screw No	PIPA 0.0039	
ST1 0.066	ST3 0.176 ST5 0.307	
ST2 0.176	ST4 0.110 EDL 2.280	

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COMMENTS

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.180	1.20	2.04	3.33	4.35	44.55	45.58	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	101.05		SL · (SFL + 4·SHW) / 6	
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	74.67	81.95	AS · (SFL + 4·SHW) / 6	

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HBB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.10	0.70	1.30	2.36	3.35	4.35	14.33	32.90	N		14/05/2019	Carbon	
0.10	0.69	1.28	2.33	3.32	4.33	14.33	32.59	N		14/05/2019	Carbon	

MEASUREMENT INVENTORY				
Measurer ESP 851				
Date 16/05/2019				
Comment Cuña base palo 50mm				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
01	Engine	Volvo penta	MD 20-40	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	

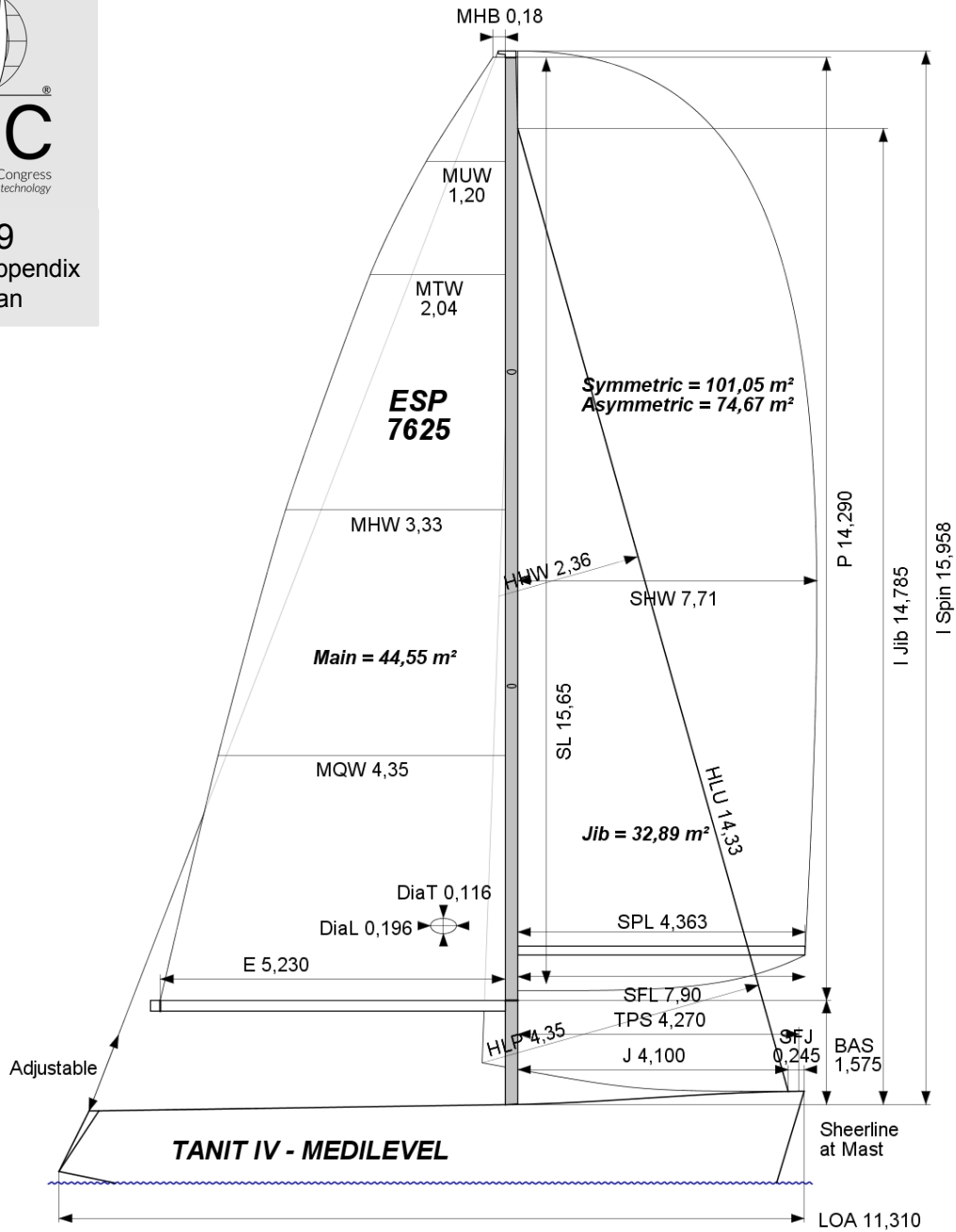
MEASUREMENT INVENTORY							
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn Description</i>
02	Tank	Gasoil	PVC	120.0	8.55		0-0
01	Tank	Agua	Textil	150.0	8.40		0-0
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>		
03	Battery		4.33		Enerpac		
02	Battery		4.30		Service		
01	Battery		7.05		Motor		



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2018	0.18	1.20	2.04	3.33	4.35	44.55		14/05/2019	North	Carbon	
2019	0.17	1.17	2.04	3.33	4.35	44.49		11/02/2019	Olimpic Sails	Polyester	

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J 1,5	0.10	0.70	1.30	2.36	3.35	4.35	14.33	106%	32.90	N			14/05/2019	Olimpic Sails	Carbon	
J 2,5	0.10	0.69	1.28	2.33	3.32	4.33	14.33	106%	32.59	N			14/05/2019	Olimpic Sails	Carbon	

SYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S1	15.65	15.65	15.65	7.71	7.90	101.05		20/05/2019	North Sails	Unknown	
S2G	15.08	15.08	15.08	8.06	7.96	101.04			Olimpic Sails	Unknown	

ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
C0	15.14	14.68	14.91	5.64	7.49	74.68	asym			North	Unknown	