

BOAT	GPH	HULL
Name TEENIE TANOU Sail Nr C-28	735,4	Length Overall 8,120m Maximum Beam 3,094m Displacement 1.652kg Draft 1,378m IMS Reg. Division Sportboat Dynamic Allowance 0,246% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL		IMSL 6,850m VCGD -0,033m Sink 10,07kg/mm
Class CARDEL 28 Designer Builder PECAL Series 01/1982 Age 01/1982 Age Allowance 0,487% Offset File CARDEL28.OFF - 1/4/2004 8:01:00 Measurement by NAKIS - 18/04/2005		RL 5,943m VCGM -0,044m WS 13,34m²
		LSMO 6,597m Displacement/Length ratio 5,7540



SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	713,6			796,7		
Time On Time	0,8408			0,8472		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	845,5	652,0	573,4	1091,7	801,3	694,8
Time on Time	0,7983	1,0353	1,1772	0,6183	0,8424	0,9715



TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1272,1	1058,1	937,3	866,2	834,8	822,1	826,2
52°	824,4	693,6	627,9	598,1	582,2	575,6	573,6
60°	774,2	657,2	607,1	581,2	562,3	552,1	547,3
75°	733,9	632,0	591,5	564,5	539,3	519,3	503,3
90°	735,0	631,3	583,8	551,3	534,6	511,6	474,3
110°	744,3	623,2	577,6	541,8	507,1	479,3	448,1
120°	767,0	634,7	583,9	548,7	513,8	481,1	420,7
135°	840,8	686,3	606,2	569,7	535,9	503,5	439,6
150°	983,7	780,3	662,7	600,5	567,8	536,5	477,8
Run VMG	1135,9	900,7	761,1	669,6	610,1	576,2	517,7

Certificate	
Number	000365
ORC Ref	GRE01007908
Issued On	12/7/2017
VPP Ver.	2017 1.00
Valid until	28/2/2018

Selected Courses							
	Windward / Leeward	Circular Random	Ocean for PCS	Non Spinnaker			
	1204,0	979,4	849,2	767,9	722,4	699,2	672,0
	1015,0	819,5	713,8	651,4	612,1	585,6	551,5
	1239,8	958,8	799,5	701,0	635,6	588,3	518,9
	1068,3	857,4	742,8	675,1	632,9	605,1	570,6

Crew Weight	
Declared	400kg
Default*	380kg
Non Manual Pwr	No

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	44,0°	42,9°	42,6°	41,0°	40,2°	39,7°	40,5°
Beat VMG	2,83	3,40	3,84	4,16	4,31	4,38	4,36
52°	4,37	5,19	5,73	6,02	6,18	6,25	6,28
60°	4,65	5,48	5,93	6,19	6,40	6,52	6,58
75°	4,91	5,70	6,09	6,38	6,68	6,93	7,15
90°	4,90	5,70	6,17	6,53	6,73	7,04	7,59
110°	4,84	5,78	6,23	6,64	7,10	7,51	8,03
120°	4,69	5,67	6,17	6,56	7,01	7,48	8,56
135°	4,28	5,25	5,94	6,32	6,72	7,15	8,19
150°	3,66	4,61	5,43	6,00	6,34	6,71	7,53
Run VMG	3,17	4,00	4,73	5,38	5,90	6,25	6,95
Gybe Angles	147,8°	151,2°	153,1°	168,9°	180,0°	180,0°	180,0°

Special Scoring		
	ToD	ToT
Double H.GPH	740,1	0,8107
Double H.OSN	720,2	0,8331
Non Spin GPH	766,3	0,7830
Non Spin OSN	741,6	0,8090

Sails Limitations	
Headsails	Spinnakers
5	3

Class Division Length
CDL = 6,397

Storm Sails Areas	
Heavy Weather Jib	13,17
Storm Jib (JL=6,42)	4,88
Storm Trysail	4,21

Owner

BOAT	
Name TEENIE TANOU	Sail Nr C-28
File C28	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 17/02/2006		SG 1,0250	
FFM 1,030	FF 1,016	SFFP 0,560	
FAM 0,802	FA 0,817	SAFP 6,124	
W1 38,3	PD1 232,0	WD 7,526	
W2 38,3	PD2 232,0	GSA 50,0	
W3 38,3	PD3 232,0	RSA 5675,0	
W4 38,3	PD4 232,0	PLM 2010,0	
LCF from stem on CL / on sheer		4,303 / 4,564	
Maximum beam station from stem		4,624	
RM Measured		43,3kg·m	
RM Default		33,6kg·m	
Limit of positive stability / Stab.Index		114,4° / 106,9	
Freeboard at mast at 3,010		0,908	

RIG			
Forestay Tension Aft	Spreaders 1		
Inner Stay None Fitted	Runners 0		
Carbon Mast No	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 8,600	E 2,800	MDT1 0,090	MW 0,130
IG 9,850	J 3,010	MDL1 0,130	GO 0,138
ISP 9,850	SFJ 0,000	MDT2 0,090	BD 0,100
BAS 1,050	SPL 2,980	MDL2 0,130	MWT
FSP 0,052	TPS	TL 0,000	MCG



World Leader in Rating Technology

2017

IMS Measurement Certificate

Certificate

Number **000365**

ORC Ref **GRE01007908**

Issued On **12/7/2017**

VPP Ver. **2017 1.00**

Valid until **28/2/2018**



MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0,105	0,59	1,06	1,79	2,35	14,31	14,56	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	9,73	9,73	9,73	5,70	5,38	45,70		SL · (SFL + 4·SHW) / 6	
Asymmetric									
Not Available									

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0,07	0,56	1,07	2,15	3,27	4,47	9,60	21,06			07/04/2015	Polyest	
0,08	0,41	0,77	1,55	2,46	3,53	9,89	16,38			20/04/2012	Dacron	

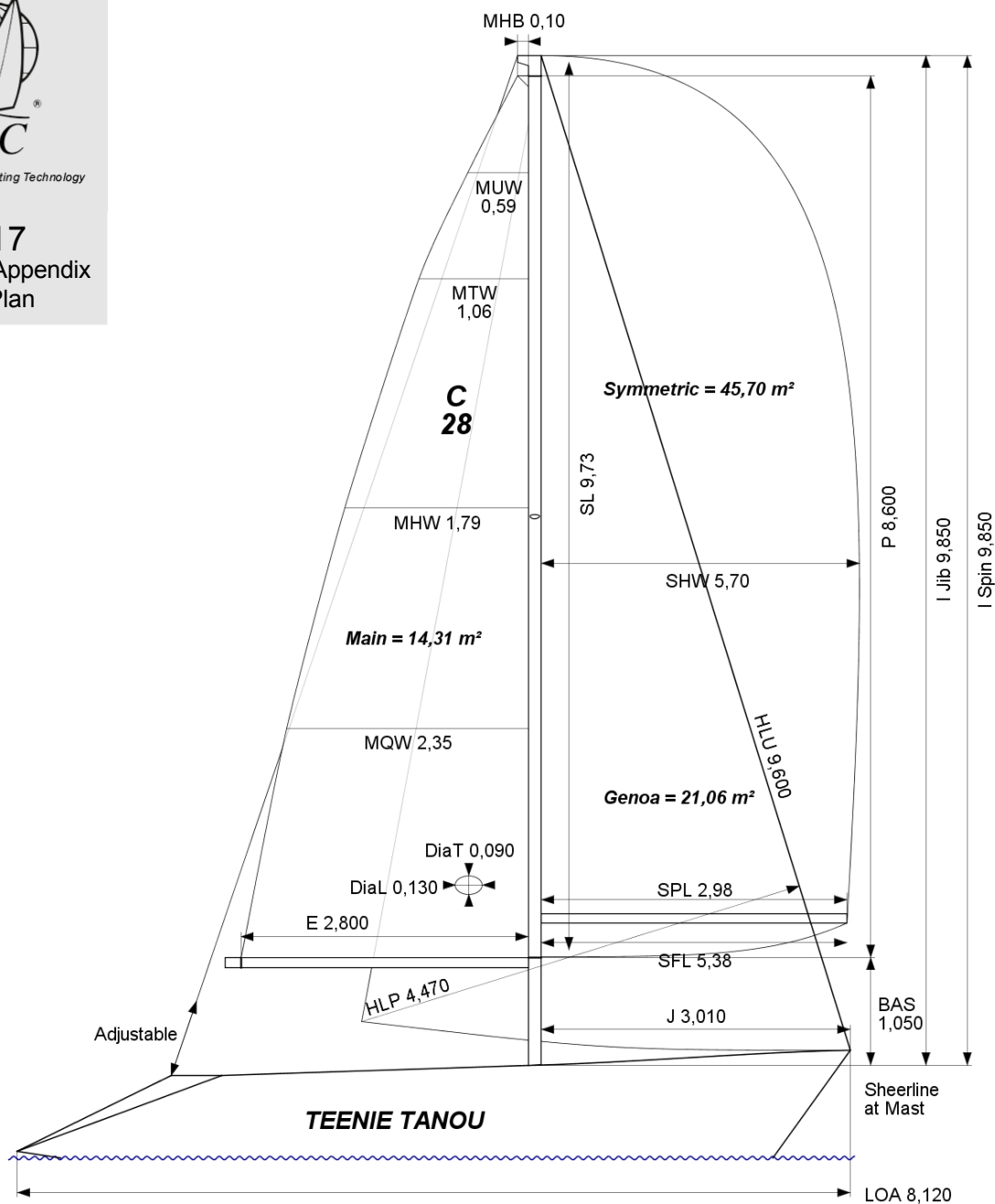
MEASUREMENT INVENTORY				
Measurer				
Date 20/02/2006				
Comment				
Id	Item	Weight	Distance	VCG Description
4	Anchor	7,0	2,00	Danforth
2	Anchor	25,0	7,90	Danforth
4	Tools	10,0	3,00	
Id	Item	Maker	Model	
1	Engine	Outboard	15HP	
Id	Item	Weight Description		

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
1	Tank Fuel		PVC	22,0	8,00		17,0	
Id	Item	Weight	Distance	VCG Description				
1	Battery	23,0	4,90	1 x 75Ah				
1	Misc	47,0	8,12	Outboard engine 15HP				



World Leader in Rating Technology

2017
Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,105	0,59	1,06	1,79	2,35	14,31	AFENDRAS	07/04/2015	QUANTUM	Polyester	

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,07	0,56	1,07	2,15	3,27	4,47	9,60	149%	21,06			AFENDR	07/04/2015	QUANTUM	Polyest	
G2	0,08	0,41	0,77	1,55	2,46	3,53	9,89	117%	16,38			THEODO	20/04/2012		Dacron	

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	9,73	9,73	9,73	5,70	5,38	45,70				Unknown	* Copied from legacy *

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
----	-----	-----	----	-----	-----	------	------	----------	-----------	-------------	----------	---------