

BOAT Name SIBILLA Sail Nr ITA-16960	GPH 602.1	HULL Length Overall 11.245m Maximum Beam 3.468m Displacement 5,198kg Draft 2.265m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.145% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class PALVIT 37 Designer PALMIERI Builder PROTO Series 12/2011 Age 12/2011 Age Allowance 0.260% Offset File PALVIT37.OFF - 25/06/2014 09:04:08 Measurement by - 26/04/2017		IMSLS 10.041m VCGD -0.246m Sink 19.20kg/mm RL 9.358m VCGM -0.063m WS 25.10m² LSM0 9.782m Displacement/Length ratio 5.5533



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	584.4			652.6		
Time on Time	1.0266			1.0343		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	693.5	532.2	473.7	897.6	654.4	567.9
Time on Time	0.9733	1.2683	1.4251	0.7520	1.0315	1.1886

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1020.9	838.6	734.9	690.3	675.5	669.9	656.0
52°	667.9	559.6	506.7	487.4	480.8	477.6	471.0
60°	630.7	534.9	493.5	475.7	467.4	463.4	458.0
75°	603.2	517.8	483.8	464.3	449.7	440.4	433.2
90°	611.4	515.8	477.4	461.3	442.9	425.9	404.6
110°	612.8	507.7	468.1	442.3	423.3	411.2	390.1
120°	630.6	517.7	473.1	445.0	418.2	395.6	369.6
135°	699.6	564.7	495.0	463.3	436.4	410.1	358.6
150°	835.3	663.9	556.7	495.0	465.4	440.5	392.7
Run VMG	964.5	766.7	642.8	564.4	514.5	478.8	430.7

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Number **169601**
ORC Ref **ITA00051556**
Issued On **04/04/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **667kg**
Maximum **720kg**
Minimum* **540kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	612.6	0.9794
Double H.OSN	596.5	1.0058
Non Spin GPH	637.2	0.9416
Non Spin OSN	617.5	0.9717

Selected Courses							
Windward / Leeward	992.7	802.6	688.8	627.4	595.0	574.4	543.4
Circular Random	831.9	670.4	583.9	533.9	503.2	482.7	455.1
Coastal / Long Distance	989.9	753.7	622.1	550.2	513.3	483.6	435.8
Non Spinnaker	895.1	715.0	617.0	559.4	523.7	500.1	468.9

Sails Limitations

Headsails	Spinnakers
5	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	42.8°	41.3°	40.3°	38.6°	38.3°	38.2°	38.1°
Beat VMG	3.53	4.29	4.90	5.22	5.33	5.37	5.49
52°	5.39	6.43	7.10	7.39	7.49	7.54	7.64
60°	5.71	6.73	7.30	7.57	7.70	7.77	7.86
75°	5.97	6.95	7.44	7.75	8.00	8.18	8.31
90°	5.89	6.98	7.54	7.80	8.13	8.45	8.90
110°	5.87	7.09	7.69	8.14	8.50	8.76	9.23
120°	5.71	6.95	7.61	8.09	8.61	9.10	9.74
135°	5.15	6.38	7.27	7.77	8.25	8.78	10.04
150°	4.31	5.42	6.47	7.27	7.74	8.17	9.17
Run VMG	3.73	4.70	5.60	6.38	7.00	7.52	8.36
Gybe Angles	140.2°	147.9°	148.8°	156.1°	171.7°	180.0°	180.0°

Class Division Length

CDL = **9.700**

Storm Sails Areas

Heavy Weather Jib **28.12**
Storm Jib (JL=9.39) **10.42**
Storm Trysail **11.43**

Owner

BOAT	
Name SIBILLA	Sail Nr ITA-16960
File I16960	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 3
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 13.750	E 4.750 MDT1 0.110 MW 0.135
IG 14.200	J 4.300 MDL1 0.180 GO 0.204
ISP 14.350	SFJ MDT2 0.110 BD 0.220
BAS 1.600	SPL 4.300 MDL2 0.120 MWT 175.30
FSP 0.070	TPS TL 1.250 MCG 5.060

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 06/04/2017		SG 1.0240	
FFM 1.390	FF 1.390	SFFP 0.545	
FAM 1.112	FA 1.116	SAFP 10.950	
W1 84.5	PD1 594.6	WD 11.500	
W2 84.5	PD2 600.2	GSA 1.0	
W3 84.5	PD3 590.1	RSA 1.0	
W4 84.5	PD4 594.7	PLM 9000.0	
LCF from stem on CL / on sheer		5.872 / 6.108	
Maximum beam station from stem		6.760	
RM Measured		128.6kg-m	
RM Default		131.7kg-m	
Limit of positive stability / Stab.Index		125.7° / 126.6	
Freeboard at mast at 4.300		1.224	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.415		
Type Folding 2 blades	PBW 0.128		
Twin Screw No	PIPA 0.0035		
ST1 0.051	ST3 0.200	ST5 0.275	
ST2 0.170	ST4 0.115	EDL 1.850	

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



Invalid for racing

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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.160	1.08	1.89	3.14	4.03	39.68	40.57	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	14.53	14.53	14.53	8.21	8.03	98.97		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
0.16	0.74	1.31	2.31	3.31	4.29	14.20	32.31	Y		26/03/2019	Unknow	
0.08	0.67	1.29	2.35	3.34	4.34	13.99	31.95	N	N	24/06/2017	Unknow	
0.12	0.77	1.39	2.37	3.27	4.16	14.05	31.94	N	N	24/06/2017	Unknow	
0.08	0.64	1.23	2.29	3.32	4.32	14.05	31.59	N	N	24/06/2017	Unknow	

MEASUREMENT INVENTORY				
Measurer 149				
Date 06/04/2017				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
A	Engine	LOMBARDINI	30HP	
Id	Item	Weight Description		

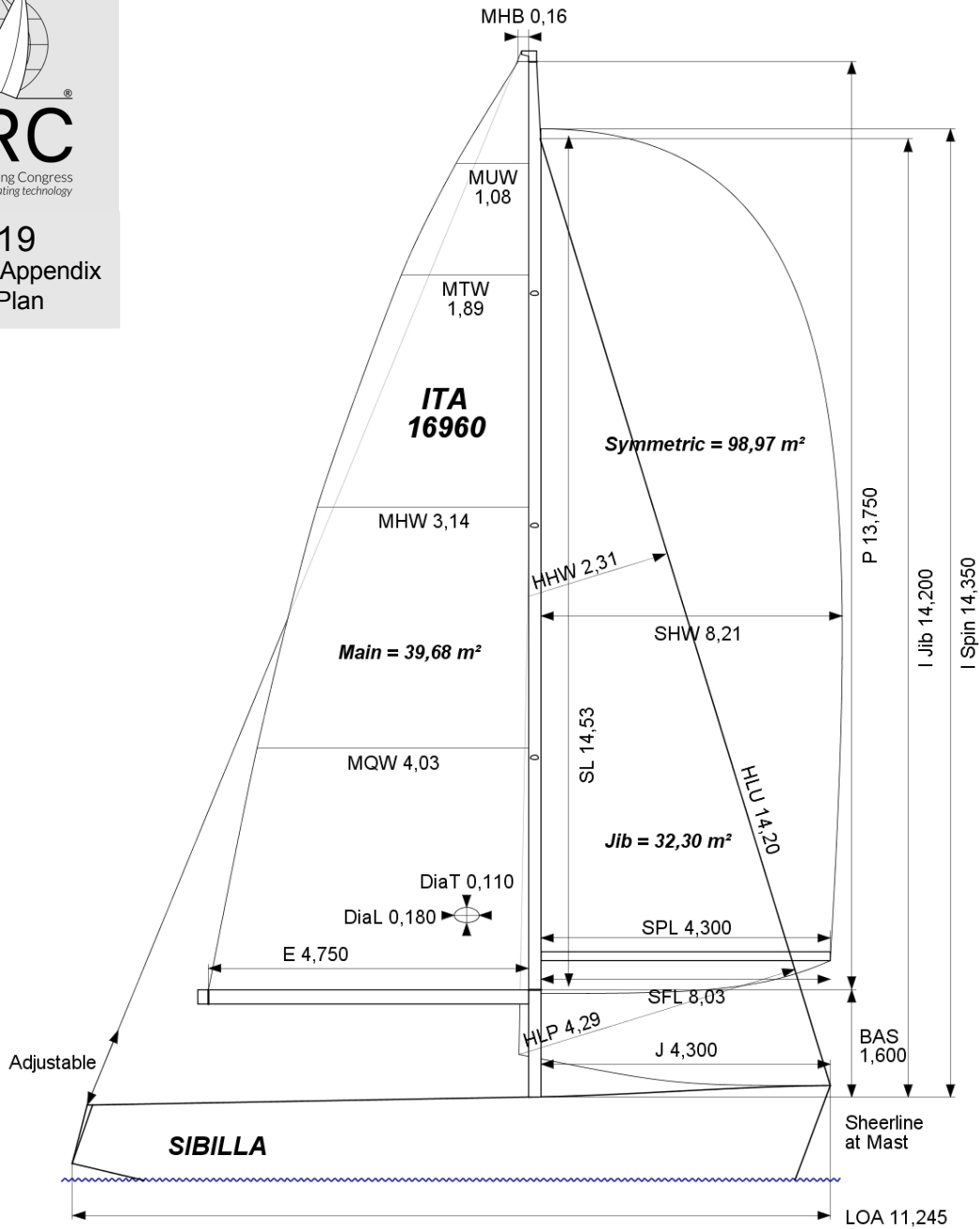
MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
C	Tank	GASOLIO	INOX	90.0	7.30	0.00	0.0	L	
B	Tank	ACQUA	PVC	50.0	4.80	0.00	0.0	VUOTO	
A	Tank	ACQUA	PVC	50.0	4.80	0.00	0.0	VUOTO	
Id	Item	Weight	Distance	VCG Description					
E	Ballast	35.0	5.40	0.00 1 PANE DI PB A DX					
D	Ballast	45.3	4.62	0.00 3 PANI DI PB DX E SX					
C	Ballast	27.0	2.55	0.00 2 PANI DI PB CENTRO CARENA					
B	Ballast	100.0	3.40	0.00 8 PANI DI PB DX E SX					
A	Ballast	87.2	3.90	0.00 8 PANI DI PIOMBO DX E SX					
B	Battery	30.0	5.30	0.00 1X100 AH					
A	Battery	30.0	6.90	0.00 1X100 AH					



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
D	0.16	1.08	1.89	3.14	4.03	39.68		26/03/2019		Unknown	

HEADSAILS (4)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
H	0.16	0.74	1.31	2.31	3.31	4.29	14.20	100%	32.31	Y			26/03/2019		Unknown	
G	0.08	0.67	1.29	2.35	3.34	4.34	13.99	101%	31.95	N	N		24/06/2017		Unknown	
E	0.12	0.77	1.39	2.37	3.27	4.16	14.05	97%	31.94	N	N		24/06/2017		Unknown	
F	0.08	0.64	1.23	2.29	3.32	4.32	14.05	100%	31.59	N	N		24/06/2017		Unknown	

SYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
D	14.53	14.53	14.53	8.21	8.03	98.98		26/03/2019		Unknown	
C	14.45	14.45	14.45	8.10	7.94	97.16		26/03/2019		Unknown	
A	15.20	15.20	15.20	7.36	7.16	92.72		25/06/2014		Unknown	

ASYMMETRIC SPINNAKERS (0)

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