

BOAT Name SOUND OF SILENCE Sail Nr ITA-17127	GPH 595.1	HULL Length Overall 10.860m Maximum Beam 3.540m Displacement 4,695kg Draft 2.095m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.155% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class BONIN 358 Designer COSSUTTI Builder BONIN Series 01/2012 Age 05/2015 Age Allowance 0.228% Offset File BONIN358.off - 13/04/2018 19:42:48 Measurement by - 21/05/2019		IMSL 10.390m VCGD -0.088m Sink 18.02kg/mm RL 8.940m VCGM -0.040m WS 23.95m² LSM0 10.210m Displacement/Length ratio 4.4112



2019
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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	579.5			651.0		
Time on Time	1.0354			1.0368		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	677.7	528.1	471.4	879.1	652.1	572.6
Time on Time	0.9960	1.2781	1.4318	0.7678	1.0351	1.1788

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1017.8	837.1	743.4	706.2	691.8	687.0	676.2
52°	662.5	556.1	506.5	488.5	481.9	478.9	472.7
60°	623.5	530.1	491.2	474.5	467.1	463.3	458.6
75°	592.8	511.7	479.9	461.3	446.9	437.6	430.4
90°	595.1	502.1	475.6	457.1	437.9	419.7	395.4
110°	583.7	492.3	458.3	435.2	419.6	405.9	380.0
120°	598.5	498.8	462.0	432.3	403.9	386.1	359.4
135°	674.5	539.8	480.9	451.6	421.6	391.2	330.1
150°	801.8	637.4	537.0	485.3	457.3	430.5	373.7
Run VMG	925.8	736.0	620.1	552.0	505.3	471.6	421.0

Certificate
Number **171271**
ORC Ref **ITA00052638**
Issued On **21/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **709kg**
Maximum **620kg**
Minimum* **465kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Double H.GPH **607.9 0.9870**
Double H.OSN **593.7 1.0106**
Non Spin GPH **634.2 0.9461**
Non Spin OSN **616.5 0.9732**

Selected Courses							
Windward / Leeward	971.8	786.6	681.7	629.1	598.6	579.3	548.6
Circular Random	816.3	660.2	577.4	529.9	500.4	480.2	451.3
Coastal / Long Distance	967.2	737.7	615.4	549.2	511.9	482.0	430.7
Non Spinnaker	887.8	710.3	614.3	558.1	523.2	500.1	469.2

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	43.4°	41.6°	40.8°	39.9°	39.5°	39.4°	39.9°
Beat VMG	3.54	4.30	4.84	5.10	5.20	5.24	5.32
52°	5.43	6.47	7.11	7.37	7.47	7.52	7.62
60°	5.77	6.79	7.33	7.59	7.71	7.77	7.85
75°	6.07	7.04	7.50	7.80	8.05	8.23	8.36
90°	6.05	7.17	7.57	7.87	8.22	8.58	9.10
110°	6.17	7.31	7.86	8.27	8.58	8.87	9.47
120°	6.01	7.22	7.79	8.33	8.91	9.32	10.02
135°	5.34	6.67	7.49	7.97	8.54	9.20	10.91
150°	4.49	5.65	6.70	7.42	7.87	8.36	9.63
Run VMG	3.89	4.89	5.81	6.52	7.12	7.63	8.55
Gybe Angles	143.2°	146.5°	148.1°	156.6°	172.9°	180.0°	180.0°

Class Division Length
CDL = **9.666**

Storm Sails Areas
Heavy Weather Jib **25.40**
Storm Jib (JL=8.92) **9.41**
Storm Trysail **11.60**

Owner

BOAT	
Name SOUND OF	Sail Nr ITA-17127
File I17127	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
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 13.120	E 5.050 MDT1 0.115 MW 0.175
IG 13.546	J 4.050 MDL1 0.175 GO 0.225
ISP 15.036	SFJ 0.320 MDT2 0.105 BD 0.155
BAS 1.656	SPL 4.290 MDL2 0.155 MWT 114.20
FSP 0.068	TPS 5.100 TL 0.700 MCG 4.970

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 10/04/2019		SG 1.0250	
FFM 1.308	FF 1.308	SFFP 0.420	
FAM 1.039	FA 1.041	SAFP 10.750	
W1 59.8	PD1 554.1	WD 10.890	
W2 59.8	PD2 558.4	GSA 1.0	
W3 59.8	PD3 574.3	RSA 1.0	
W4 59.8	PD4 543.3	PLM 9000.0	
LCF from stem on CL / on sheer		5.993 / 6.204	
Maximum beam station from stem		10.750	
RM Measured		92.0kg·m	
RM Default		95.5kg·m	
Limit of positive stability / Stab.Index		122.8° / 121.6	
Freeboard at mast at 4.370		1.188	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.410		
Type Folding 2 blades	PBW 0.115		
Twin Screw No	PIPA 0.0026		
ST1 0.040	ST3 0.132	ST5 0.265	
ST2 0.132	ST4 0.090	EDL 1.436	

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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	
	0.400	1.18	1.94	3.22	4.26	39.85	40.85	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	98.97		SL · (SFL + 4·SHW) / 6	
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	110.14		AS · (SFL + 4·SHW) / 6	
	16.07	14.58	15.32	8.51	9.08				

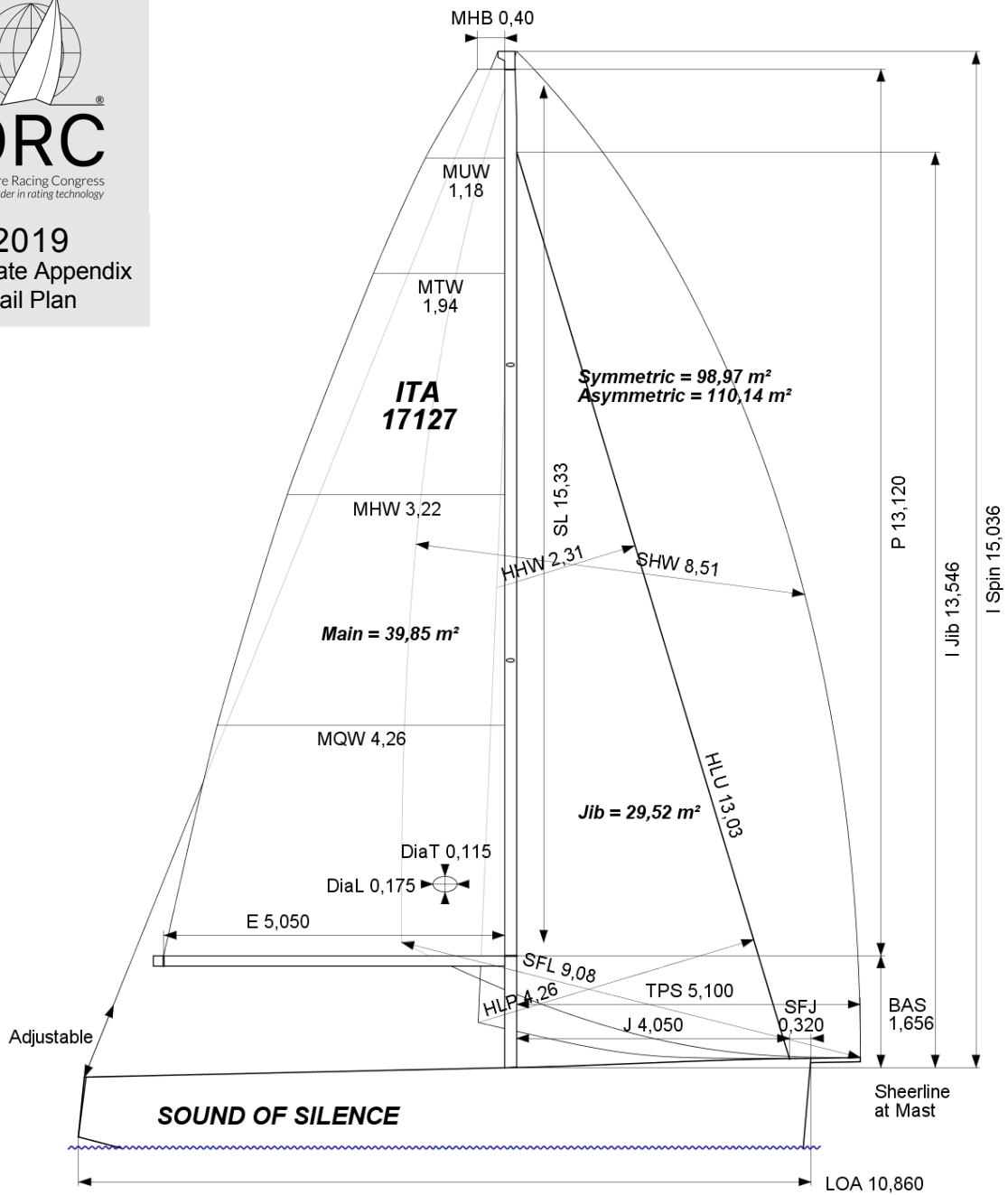
HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.15	0.74	1.34	2.31	3.27	4.26	13.03	29.53	Y	N	04/02/2018	Carbon	JL
0.10	0.70	1.28	2.27	3.23	4.25	13.05	29.09	Y	N	04/02/2018	Carbon	JM
0.00	0.00	0.00	0.00	0.00	4.14	12.72	26.81	N	Y	04/02/2018	Nylon	STAY
0.11	0.58	1.08	2.06	3.03	4.04	13.02	26.77	Y	N	04/02/2018	Carbon	JH
					3.68	12.90	24.17			19/05/2019	Dacron	Windseeker

MEASUREMENT INVENTORY				
Measurer 162				
Date 10/04/2019				
Comment Condizioni ottime				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
A	Engine	LOMBARDINI	30 HP	
Id	Item	Weight Description		

MEASUREMENT INVENTORY								
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
A	Tank	WATER		PVC	80.0	4.30	0.00	0-0 SX
B	Tank	WATER		PVC	80.0	4.30	0.00	0-0 DX
C	Tank	FUEL		PVC	83.0	7.10	0.00	20-0 L
Id	Item	Weight	Distance	VCG Description				
A	Ballast	107.2	5.90	0.00 8 PANI PB DX CX SX				
B	Ballast	52.1	5.30	0.00 4 PANI PB DX SX				
A	Battery	27.0	6.95	0.00 50 Ah MOTORE SX				
B	Battery	32.0	6.80	0.00 80 Ah SERVIZI SX				



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
B	0.40	1.18	1.94	3.22	4.26	39.86		05/04/2019	ONE SAILS	Carbon						
HEADSAILS (5)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.15	0.74	1.34	2.31	3.27	4.26	13.03	105%	29.53	Y	N		04/02/2018	ONE SAILS	Carbon	JL
B	0.10	0.70	1.28	2.27	3.23	4.25	13.05	105%	29.09	Y	N		04/02/2018	ONE SAILS	Carbon	JM
D	0.00	0.00	0.00	0.00	0.00	4.14	12.72	102%	26.81	N	Y		04/02/2018	ONE SAILS	Nylon	STAY
C	0.11	0.58	1.08	2.06	3.03	4.04	13.02	100%	26.77	Y	N		04/02/2018	ONE SAILS	Carbon	JH
E						3.68	12.90	91%	24.17				19/05/2019	MURPHY	Dacron	Windseeker
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
A	15.30	15.30	15.30	7.84	7.45	98.97		21/05/2019		Nylon	S1.5					
ASYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
D	16.07	14.58	15.32	8.51	9.08	110.14	asym		19/05/2019	ONE	Nylon	A1				
C	14.80	13.76	14.28	6.26	8.22	79.16	asym		04/02/2018	BANKS	Nylon	A0				