

BOAT Name LOW NOISE II Sail Nr ITA-998	GPH 633,0	HULL Length Overall 10,300m Maximum Beam 3,536m Displacement 4.649kg Draft 1,905m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0,077% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class ITALIA 9.98 F Designer POLLI Builder ITALIA YACHTS Series 09/2014 Age 09/2014 Age Allowance 0,033% Offset File I998G.off - 7/3/2015 11:45:22 Measurement by SIRONI-AVE-MURCHIO - 18/05/2015		IMSL 9,436m VCGD 0,032m Sink 17,80kg/mm RL 8,217m VCGM 0,024m WS 23,63m²




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SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	615,4			688,2		
Time On Time	0,9751			0,9809		
Performance Line	0,815	91,7		0,786	173,4	
Triple Number	Low 0,9203	Medium 1,2077	High 1,3715	Low 0,7040	Medium 0,9728	High 1,1411

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1087,8	898,8	793,5	736,6	709,0	695,6	692,4
52°	701,9	587,0	527,3	501,2	491,1	486,1	482,8
60°	656,6	553,5	508,2	486,7	475,1	469,2	465,4
75°	620,0	529,8	495,2	474,2	455,8	442,2	432,9
90°	624,6	532,8	491,4	473,4	455,3	437,1	408,6
110°	645,4	532,7	489,0	461,0	433,4	415,9	396,8
120°	666,6	547,2	496,2	468,5	442,2	417,1	381,6
135°	744,4	605,0	526,2	490,1	464,9	439,5	391,6
150°	895,5	705,2	593,4	523,6	489,9	465,6	418,3
Run VMG	1034,1	814,3	683,4	592,2	529,9	494,4	446,6

Selected Courses							
	1060,9	856,6	738,5	664,4	619,4	595,0	569,5
Windward / Leeward	1060,9	856,6	738,5	664,4	619,4	595,0	569,5
Circular Random	878,9	706,9	613,8	559,1	525,0	502,6	474,7
Ocean for PCS	937,3	738,5	627,2	558,8	513,4	480,8	433,2
Non Spinnaker	931,0	743,9	641,5	580,7	542,7	517,9	487,7

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	44,4°	43,1°	42,7°	41,8°	40,6°	40,0°	40,4°
Beat VMG	3,31	4,01	4,54	4,89	5,08	5,18	5,20
52°	5,13	6,13	6,83	7,18	7,33	7,41	7,46
60°	5,48	6,50	7,08	7,40	7,58	7,67	7,74
75°	5,81	6,79	7,27	7,59	7,90	8,14	8,32
90°	5,76	6,76	7,33	7,60	7,91	8,24	8,81
110°	5,58	6,76	7,36	7,81	8,31	8,66	9,07
120°	5,40	6,58	7,25	7,68	8,14	8,63	9,43
135°	4,84	5,95	6,84	7,35	7,74	8,19	9,19
150°	4,02	5,10	6,07	6,88	7,35	7,73	8,61
Run VMG	3,48	4,42	5,27	6,08	6,79	7,28	8,06
Gybe Angles	144,9°	150,1°	153,6°	162,0°	175,2°	178,7°	178,4°

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Number **9981**
ORC Ref **ITA00016860**
Issued On **19/6/2015**
VPP Ver. **2015 1.01**
Valid until **31/12/2015**

Crew Weight

Declared **630kg**
Default* **608kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	636,6	0,9425
Double H.OSN	620,0	0,9677
Non Spin GPH	662,3	0,9059
Non Spin OSN	641,8	0,9349
N/S Perf. Line	67,3	0,743

Sails Limitations

Headsails	Spinnakers
6	3

Class Division Length

CDL = **8,827**

Storm Sails Areas

Heavy Weather Jib **25,07**
Storm Jib (JL=8,86) **9,29**
Storm Triesail **10,94**

Owner

BOAT	
Name LOW NOISE II	Sail Nr ITA-998
File I998.dxt	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 07/03/2015	SG	1,0270
FFM 1,152	FF 1,149	SFFP -0,005
FAM 0,625	FA 0,629	SAFP 10,300
W1 66,000	PD1 520,9	WD 11,370
W2 66,000	PD2 526,6	GSA 1,0
W3 66,000	PD3 526,5	RSA 1,0
W4 66,000	PD4 523,0	PLM 9000,0
LCF from stem on CL / on sheer		5,595 / 5,821
Maximum beam station from stem		7,304
RM Measured		112,7kg·m
RM Default		115,2kg·m
Limit of positive stability / Stab.Index		120,8° / 118,1
Freeboard at mast at 4,298		1,216



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2015 Measurements Datasheet

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 13,050	E 4,790	MDT1 0,125	MW 0,185
IG 13,595	J 4,190	MDL1 0,185	GO 0,195
ISP 13,740	SFJ 0,108	MDT2 0,125	BD 0,236
BAS 1,500	SPL 4,190	MDL2 0,155	MWT 136,50
FSP 0,076	TPS	TL 1,090	MCG 5,040

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD	0,380
Type Folding 2 blades	PBW	0,120
Twin Screw No	PIPA	0,0039
ST1 0,065	ST3 0,180	ST5 0,350
ST2 0,180	ST4 0,110	EDL 1,000

COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



Invalid for Racing

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SAILS (Maximum Areas)						
Mainsail	HB	MGT	MGU	MGM	MGL	Area Area (r) Formula
	0,350	1,06	1,76	2,97	3,93	36,65 37,36 P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)
Symmetric	SL	SMG	SF			84,48 SL · (SF + 4·SMG) / 6
	13,56	7,54	7,22			
Asymmetric	Not Available					

HEADSAILS												
Area = 0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)												
JH	JGT	JGU	JGM	JGL	LPG	JL	Area	Btn	Fly	Meas.Date	Material	Comment
0,10	0,77	1,42	2,48	3,43	4,46	13,70	32,70	N	N	18/05/2015	Unknow	
0,10	0,74	1,37	2,44	3,38	4,43	13,70	32,19	N	N	18/05/2015	Unknow	
0,10	0,74	1,37	2,44	3,38	4,42	13,70	32,17	N	N	18/05/2015	Unknow	
0,08	0,48	0,94	1,82	2,68	3,56	13,08	23,65	N	N	18/05/2015	Unknow	

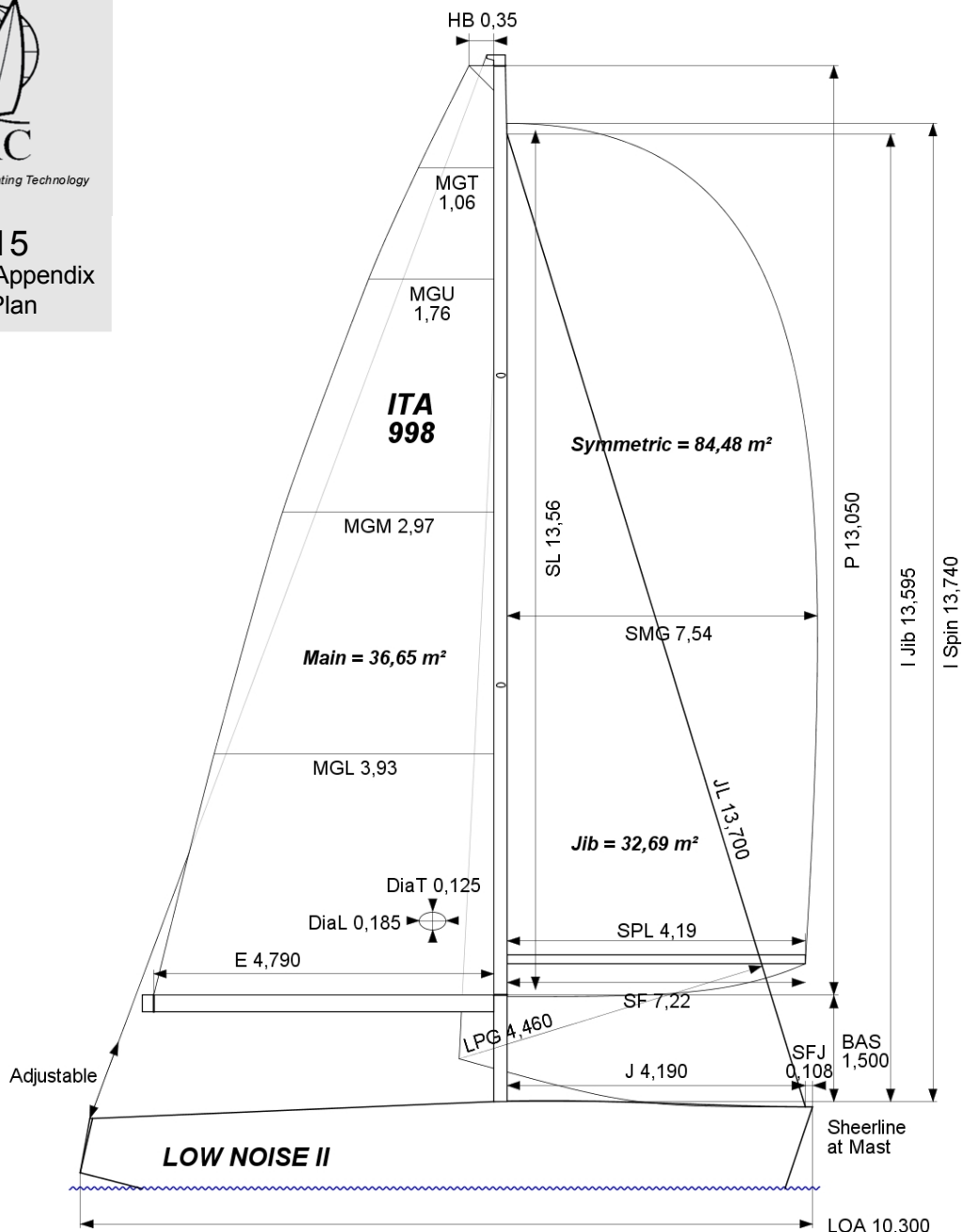
MEASUREMENT INVENTORY				
Measurer F. NOCETI 120				
Date 07/03/2015				
Comment COND. OTTIME				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
A	Engine	VOLVO PENTA	MD1-20	
Id	Item	Weight	Description	

MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
A	Tank	FUELA	PVC	61,0	7,50	0,00	30,0
B	Tank	ACQUA	PVC	110,0	5,00	0,00	0,0 VUOTO
Id	Item	Weight	Distance	VCG	Description		
A	Ballast	5,5	4,75	0,00	n. 2 pani Pb. centro		
B	Ballast	22,0	4,75	0,00	n. 4 pani Pb. Ds n. 4 Sn		
C	Ballast	22,0	4,40	0,00	n. 4 pani Pb. Ds n. 4 Sn		
D	Ballast	27,5	4,02	0,00	n. 5 pani Pb. Ds n. 5 Sn		
E	Ballast	30,3	3,97	0,00	n. 11 pani Pb. centro		
A	Battery	71,0	5,25	0,00	n. 2 x 26 Kg. + n. 1 x 19 Kg.		



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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	0,350	1,06	1,76	2,97	3,93	36,65	MURCHIO	18/05/2015	N/S	Unknown	

HEADSAILS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G	0,10	0,77	1,42	2,48	3,43	4,46	13,70	106%	32,70	N	N	MURCHI	18/05/2015	N/S	Unknown	
E	0,10	0,74	1,37	2,44	3,38	4,43	13,70	106%	32,19	N	N	MURCHI	18/05/2015	N/S	Unknown	
F	0,10	0,74	1,37	2,44	3,38	4,42	13,70	105%	32,17	N	N	MURCHI	18/05/2015	N/S	Unknown	
D	0,08	0,48	0,94	1,82	2,68	3,56	13,08	85%	23,65	N	N	MURCHI	18/05/2015	N/S	Unknown	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
C	13,56	7,54	7,22	84,48	AVETA	14/05/2015		Unknown	
A	13,53	7,52	7,19	84,04	SIRONI	14/09/2014	NORTH	Nylon	
B	13,58	7,42	7,32	83,74	AVETA	14/05/2015		Unknown	

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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