

BOAT Name LOW NOISE II Sail Nr ITA-998	GPH 630.4	HULL Length Overall 10.300m Maximum Beam 3.536m Displacement 4,649kg Draft 1.905m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.078% 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 0.065% Offset File I998G.off - 07/03/2015 11:45:22 Measurement by SIRONI-AVE-MURCHIO - 18/05/2015		IMSL 9.436m VCGD 0.031m Sink 17.80kg/mm RL 8.119m VCGM 0.023m WS 23.63m² LSM0 9.166m Displacement/Length ratio 6.0370




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SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	613.1			687.8		
Time On Time	0.9787			0.9813		
Performance Line	PLT	PLD		PLT	PLD	
	0.648	26.6		0.816	194.0	
Triple Number	Low	Medium	High	Low	Medium	High
	0.9256	1.2117	1.3778	0.7099	0.9742	1.1369

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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1097.7	907.0	800.3	741.1	714.6	702.3	690.4
52°	706.6	590.6	529.3	502.2	492.1	487.2	481.9
60°	659.5	555.3	509.0	487.0	475.5	469.7	465.6
75°	620.3	529.5	494.6	473.1	454.4	441.4	432.4
90°	621.0	529.8	491.6	472.7	452.6	433.5	405.9
110°	643.1	530.8	487.4	458.7	431.9	418.0	395.4
120°	662.4	543.4	493.8	465.3	437.4	411.2	377.5
135°	732.5	593.6	518.7	484.8	458.7	432.3	382.2
150°	870.2	687.5	579.8	516.0	485.1	460.7	413.2
Run VMG	1004.8	793.9	668.8	587.2	531.6	495.3	447.7

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VPP Ver. **2016 1.01**
Valid until **31/12/2016**

Selected Courses							
Windward / Leeward	1051.3	850.4	734.5	664.1	623.1	598.8	569.1
Circular Random	874.4	703.7	611.4	557.1	523.1	500.4	470.7
Ocean for PCS	1076.4	828.5	688.0	601.4	544.5	504.3	447.6
Non Spinnaker	925.6	740.2	638.9	578.8	541.1	516.1	484.4

Crew Weight

Declared **630kg**
Default* **608kg**
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	44.6°	43.3°	43.0°	42.2°	41.0°	40.5°	40.4°
Beat VMG	3.28	3.97	4.50	4.86	5.04	5.13	5.21
52°	5.09	6.10	6.80	7.17	7.32	7.39	7.47
60°	5.46	6.48	7.07	7.39	7.57	7.66	7.73
75°	5.80	6.80	7.28	7.61	7.92	8.16	8.33
90°	5.80	6.79	7.32	7.62	7.95	8.31	8.87
110°	5.60	6.78	7.39	7.85	8.34	8.61	9.10
120°	5.44	6.62	7.29	7.74	8.23	8.76	9.54
135°	4.91	6.07	6.94	7.43	7.85	8.33	9.42
150°	4.14	5.24	6.21	6.98	7.42	7.81	8.71
Run VMG	3.58	4.53	5.38	6.13	6.77	7.27	8.04
Gybe Angles	145.4°	149.6°	151.2°	157.3°	180.0°	180.0°	180.0°

Special Scoring

	ToD	ToT
Double H.GPH	634.1	0.9462
Double H.OSN	618.2	0.9706
Non Spin GPH	659.5	0.9098
Non Spin OSN	640.6	0.9367
N/S Perf. Line	5.6	0.587

Sails Limitations

Headsails	Spinnakers
6	3

Class Division Length

CDL = **8.778**

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

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	


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	




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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.350	1.06	1.76	2.97	3.93	36.65	37.36	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	84.48		SL · (SFL + 4·SHW) / 6	
	13.56	13.56	13.56	7.54	7.22				
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
0.10	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	

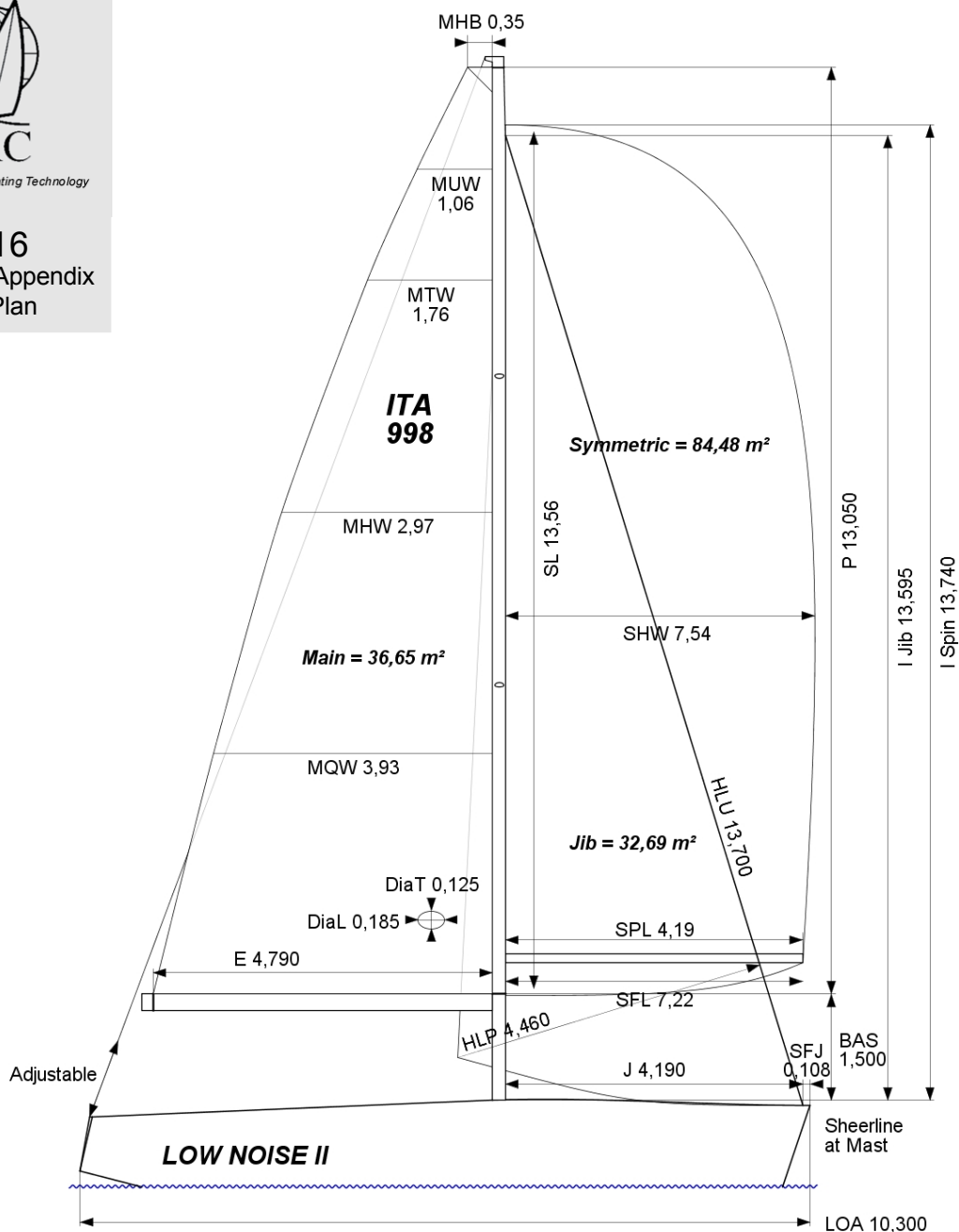
MEASUREMENT INVENTORY				
Measurer NOCETI 120				
Date 07/03/2015				
Comment COND. OTTIME				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
A	Engine	VOLVO PENTA	MD1-20	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	

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</i>	<i>Description</i>
A	Tank	FUELA	PVC	61.0	7.50	0.00	00-0	LT
B	Tank	ACQUA	PVC	110.0	5.00	0.00	00-0	VUOTO
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>			
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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Sail Plan



SAILS INVENTORY

MAINSAIL																
Id	MHB	MUW	MTW	MHW	MQW	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	Comment					
HEADSAILS																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	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	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	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	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	Unknown
SYMMETRIC SPINNAKERS																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
C	13.56	13.56	13.56	7.54	7.22	84.48	AVETA	14/05/2015		Unknown	Comment					
A	13.53	13.53	13.53	7.52	7.19	84.04	SIRONI	14/09/2014	NORTH	Nylon	Comment					
B	13.58	13.58	13.58	7.42	7.32	83.74	AVETA	14/05/2015		Unknown	Comment					
ASYMMETRIC SPINNAKERS																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				