

BOAT Name GUASTAFESTE Sail Nr ITA-3151	GPH 625.5	HULL Length Overall 8.336m Maximum Beam 2.684m Displacement 1,206kg Draft 1.938m IMS Reg. Division Sportboat Dynamic Allowance 0.000% Fwd Accommodation No Hull Construction Cored Carbon Rudder Yes Crew Arm Extension
GENERAL Class DELTA 84 Designer PERACCA Builder BRAZZONI Series 05/1997 Age 05/1997 Age Allowance 0.487% Offset File DELTA84.off - 27/04/2018 22:18:02 Measurement by PINDOZZI-SIRONI - 16/05/2018		IMSL 7.805m VCGD 0.206m Sink 10.02kg/mm RL 7.833m VCGM 0.111m WS 12.30m² LSM0 7.298m Displacement/Length ratio 3.1027



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	609.6			690.5		
Time on Time	0.9843			0.9776		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	703.9	559.3	494.3	905.8	694.2	615.6
Time on Time	0.9589	1.2068	1.3656	0.7452	0.9724	1.0965

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	997.6	820.1	764.8	754.5	752.7	741.3	752.4
52°	658.3	566.9	543.3	535.9	532.8	524.5	520.9
60°	624.4	553.0	525.3	514.2	508.5	500.4	491.0
75°	602.5	542.8	502.8	479.1	468.2	462.1	442.6
90°	608.5	538.9	502.2	461.2	434.0	420.7	409.2
110°	623.9	538.6	484.8	442.8	417.5	396.5	355.1
120°	647.6	549.7	498.1	445.3	400.4	373.5	335.1
135°	729.0	588.4	533.1	485.9	437.6	389.8	309.4
150°	873.7	690.0	584.0	531.9	488.6	445.5	363.4
Run VMG	1008.8	796.7	671.1	597.2	544.8	504.7	419.7

Certificate

Number **31511**
ORC Ref **ITA00027405**
Issued On **16/05/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default **439kg**
Maximum **420kg**
Minimum* **315kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	644.7	0.9306
Double H.OSN	635.5	0.9441
Non Spin GPH	655.5	0.9153
Non Spin OSN	637.8	0.9407

Selected Courses							
Windward / Leeward	1003.2	808.4	717.9	675.8	648.8	623.0	586.0
Circular Random	851.1	692.2	608.0	558.8	527.0	504.1	470.9
Coastal / Long Distance	1003.8	763.3	650.6	585.8	542.9	503.5	441.9
Non Spinnaker	903.7	729.4	636.2	581.6	546.5	521.5	485.8

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	42.2°	40.6°	38.0°	38.2°	38.4°	38.1°	39.6°
Beat VMG	3.61	4.39	4.71	4.77	4.78	4.86	4.78
52°	5.47	6.35	6.63	6.72	6.76	6.86	6.91
60°	5.77	6.51	6.85	7.00	7.08	7.19	7.33
75°	5.97	6.63	7.16	7.51	7.69	7.79	8.13
90°	5.92	6.68	7.17	7.81	8.30	8.56	8.80
110°	5.77	6.68	7.43	8.13	8.62	9.08	10.14
120°	5.56	6.55	7.23	8.08	8.99	9.64	10.74
135°	4.94	6.12	6.75	7.41	8.23	9.23	11.64
150°	4.12	5.22	6.16	6.77	7.37	8.08	9.91
Run VMG	3.57	4.52	5.36	6.03	6.61	7.13	8.58
Gybe Angles	140.6°	146.8°	153.0°	163.9°	180.0°	180.0°	138.2°

Class Division Length

CDL = **7.819**

Storm Sails Areas


Heavy Weather Jib **13.71**
Storm Jib (JL=6.55) **5.08**
Storm Trysail **7.37**

Owner

BOAT	
Name GUASTAFESTE	Sail Nr ITA-3151
File I3151	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 27/01/2018		SG 1.0270	
FFM 0.904	FF 0.904	SFFP 0.142	
FAM 0.629	FA 0.629	SAFP 8.032	
W1 20.4	PD1 528.3	WD 9.690	
W2 20.4	PD2 529.1	GSA 1.0	
W3 20.4	PD3 528.0	RSA 1.0	
W4 20.4	PD4 526.3	PLM 9000.0	
LCF from stem on CL / on sheer		4.627 / 4.803	
Maximum beam station from stem		5.252	
RM Measured		29.5kg·m	
RM Default		36.1kg·m	
Limit of positive stability / Stab.Index		98.5° / 90.7	
Freeboard at mast at 2.879		0.772	

RIG				
Forestay Tension Aft	Spreaders 2			
Inner Stay None Fitted	Runners 0			
Carbon Mast No	Jumper Struts Yes			
Taper Hollows No	Jib Furler No			
Fiber Rigging No	Main Furler No			
Lenticular Rigging No	Without Backstay No			
Articulated Bowsprit No				
P 10.803	E 3.900	MDT1 0.084	MW 0.136	
IG 9.986	J 2.775	MDL1 0.137	GO 0.161	
ISP 10.066	SFJ 0.104	MDT2 0.072	BD 0.134	
BAS 1.166	SPL 2.950	MDL2 0.104	MWT 60.65	
FSP 0.000	TPS	TL 1.960	MCG 4.355	




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IMS Measurement Certificate

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.322	0.92	1.54	2.56	3.33	25.75	26.37	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	43.76		SL · (SFL + 4·SHW) / 6	
	9.80	9.80	9.80	5.35	5.39				
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
0.08	0.50	0.92	1.66	2.34	2.94	9.95	15.86	Y	N	28/04/2018	Technor	NS
0.07	0.38	0.71	1.39	2.09	2.75	9.67	13.50	Y	N	09/02/2018	Dacron	Olimpico
0.00	0.00	0.00	0.00	0.00	2.50	7.88	10.03	Y	N	28/04/2018	Dacron	3.5

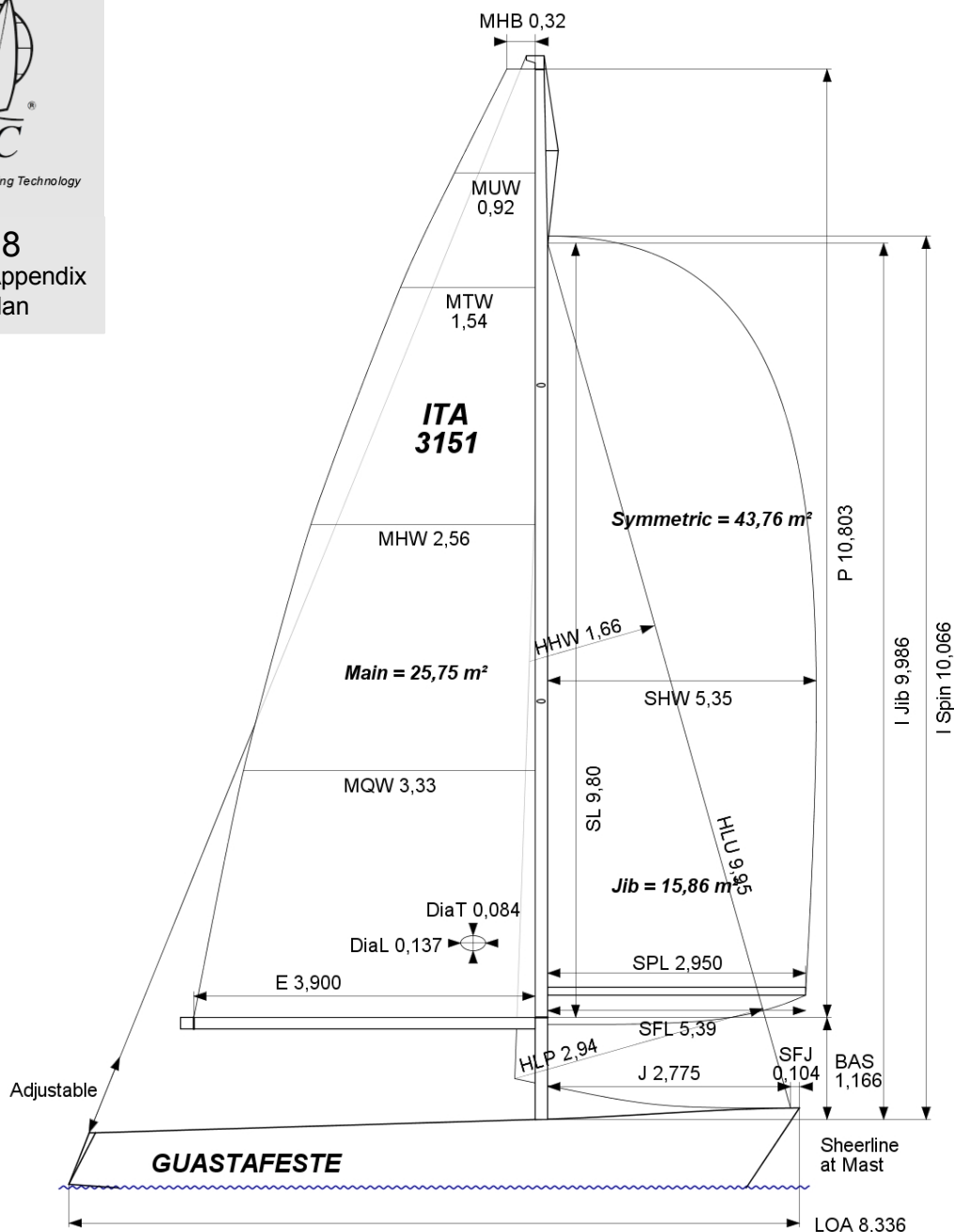
MEASUREMENT INVENTORY				
Measurer PINDOZZI FIV 174				
Date 27/01/2018				
Comment SISTIANA				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
A	Engine	YAMAHA	5 cv - 2 t	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

MEASUREMENT INVENTORY				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
A	Battery	0.0	5.07	0.00 52 Ah
A	Misc	22.8	5.82	0.00 OUTBOARD ENGINE



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.322	0.92	1.54	2.56	3.33	25.75	PINDOZZI	28/04/2018	EUROSAIL	Technora	NS

HEADSAILS (3)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
B	0.08	0.50	0.92	1.66	2.34	2.94	9.95	106%	15.86	Y	N	PINDOZZI	28/04/2018	Eurosail	Technor	NS
A	0.07	0.38	0.71	1.39	2.09	2.75	9.67	99%	13.50	Y	N	PINDOZZI	09/02/2018	ULLMAN	Dacron	Olimpico
C	0.00	0.00	0.00	0.00	0.00	2.50	7.88	90%	10.03	Y	N	PINDOZZI	28/04/2018	Eurosail	Dacron	3.5

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
E	9.80	9.80	9.80	5.35	5.39	43.76	SIRONI	16/05/2018	EUROSAIL	Unknown	BIANCO

ASYMMETRIC SPINNAKERS (0)

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