

BOAT Name BOOMERANG Sail Nr ITA-25305	GPH 679.1	HULL Length Overall 7.512m Maximum Beam 2.554m Displacement 1,330kg Draft 1.892m IMS Reg. Division Sportboat Dynamic Allowance 0.003% Fwd Accommodation No Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class FARR PLATU 25 MOD Designer FARR Builder BENETEAU Series 01/1997 Age 01/1997 Age Allowance 0.487% Offset File I25305.off - 30/05/2018 18:24:28 Measurement by PAIS-MORASSUTTI - 22/05/2016		IMSL 7.035m VCGD -0.137m Sink 7.72kg/mm RL 6.745m VCGM -0.167m WS 10.71m² LSM0 6.789m Displacement/Length ratio 4.2504



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	662.3			737.1		
Time on Time	0.9059			0.9157		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	750.3	610.6	551.5	956.0	739.2	664.4
Time on Time	0.8997	1.1054	1.2240	0.7061	0.9132	1.0160

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1076.1	899.2	830.5	813.1	809.5	800.5	805.7
52°	721.3	621.5	592.4	582.6	578.5	576.9	570.4
60°	688.5	605.3	579.1	566.3	560.4	557.7	548.5
75°	665.6	594.9	566.0	545.2	529.7	521.8	516.3
90°	660.7	587.4	563.9	536.1	511.2	491.7	472.7
110°	657.6	578.2	540.9	513.7	494.1	476.4	442.3
120°	676.7	586.2	544.3	504.3	472.9	453.1	415.8
135°	748.3	618.5	568.7	529.9	488.5	446.9	371.2
150°	890.6	710.2	610.7	565.7	529.6	491.8	414.5
Run VMG	1028.3	820.1	699.3	623.6	575.7	541.6	472.1

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Number **253051**
ORC Ref **ITA00027709**
Issued On **30/05/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default **396kg**
Maximum **280kg**
Minimum* **195kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	687.5	0.8727
Double H.OSN	673.3	0.8911
Non Spin GPH	714.3	0.8400
Non Spin OSN	694.3	0.8642

Selected Courses							
Windward / Leeward	1052.2	859.6	764.9	718.3	692.6	671.1	638.9
Circular Random	910.3	745.9	660.6	612.3	582.1	560.7	529.2
Coastal / Long Distance	1049.8	812.2	698.7	636.5	598.5	564.0	504.9
Non Spinnaker	974.7	790.5	693.4	638.1	603.9	580.8	549.7

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	41.2°	39.7°	37.9°	37.5°	37.6°	37.4°	38.7°
Beat VMG	3.35	4.00	4.33	4.43	4.45	4.50	4.47
52°	4.99	5.79	6.08	6.18	6.22	6.24	6.31
60°	5.23	5.95	6.22	6.36	6.42	6.46	6.56
75°	5.41	6.05	6.36	6.60	6.80	6.90	6.97
90°	5.45	6.13	6.38	6.71	7.04	7.32	7.62
110°	5.47	6.23	6.66	7.01	7.29	7.56	8.14
120°	5.32	6.14	6.61	7.14	7.61	7.95	8.66
135°	4.81	5.82	6.33	6.79	7.37	8.06	9.70
150°	4.04	5.07	5.90	6.36	6.80	7.32	8.69
Run VMG	3.50	4.39	5.15	5.77	6.25	6.65	7.62
Gybe Angles	145.6°	149.4°	155.4°	173.1°	180.0°	180.0°	180.0°

Class Division Length

CDL = **6.890**

Storm Sails Areas


Heavy Weather Jib **11.44**
Storm Jib (JL=5.98) **4.24**
Storm Trysail **6.00**

Owner

BOAT	
Name BOOMERANG	Sail Nr ITA-25305
File I25305	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining		Flotation date 14/03/2017 SG 1.0250	
FFM 0.868	FF 0.868	SFFP 0.120	
FAM 0.694	FA 0.694	SAFP 7.313	
W1 18.1	PD1 551.2	WD 8.050	
W2 18.1	PD2 549.9	GSA 1.0	
W3 18.1	PD3 549.9	RSA 1.0	
W4 18.1	PD4 551.1	PLM 9000.0	
LCF from stem on CL / on sheer		4.154 / 4.321	
Maximum beam station from stem		4.700	
RM Measured		20.8kg·m	
RM Default		23.1kg·m	
Limit of positive stability / Stab.Index		125.3° / 117.5	
Freeboard at mast at 2.615		0.804	

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 9.395	E 3.650	MDT1 0.082	MW 0.120
IG 9.105	J 2.615	MDL1 0.120	GO 0.148
ISP 9.665	SFJ	MDT2 0.066	BD 0.120
BAS 1.185	SPL 3.000	MDL2 0.084	MWT 43.70
FSP	TPS	TL 1.310	MCG 3.570




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IMS Measurement Certificate

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

COMMENTS	
RETRACTABLE OUTBOARD MOTOR	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.150	0.75	1.36	2.35	3.11	20.48	20.98	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	44.37		SL · (SFL + 4·SHW) / 6	
	9.49	9.49	9.49	5.62	5.57				
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
0.07	0.39	0.76	1.47	2.13	2.71	9.21	13.14	N	N	05/05/2014	Polyest	
0.07	0.40	0.76	1.45	2.11	2.68	9.17	12.96	N	N	28/05/2013	Unknow	
0.07	0.38	0.75	1.43	2.07	2.70	8.67	12.13	N	N	05/05/2014	Polyest	

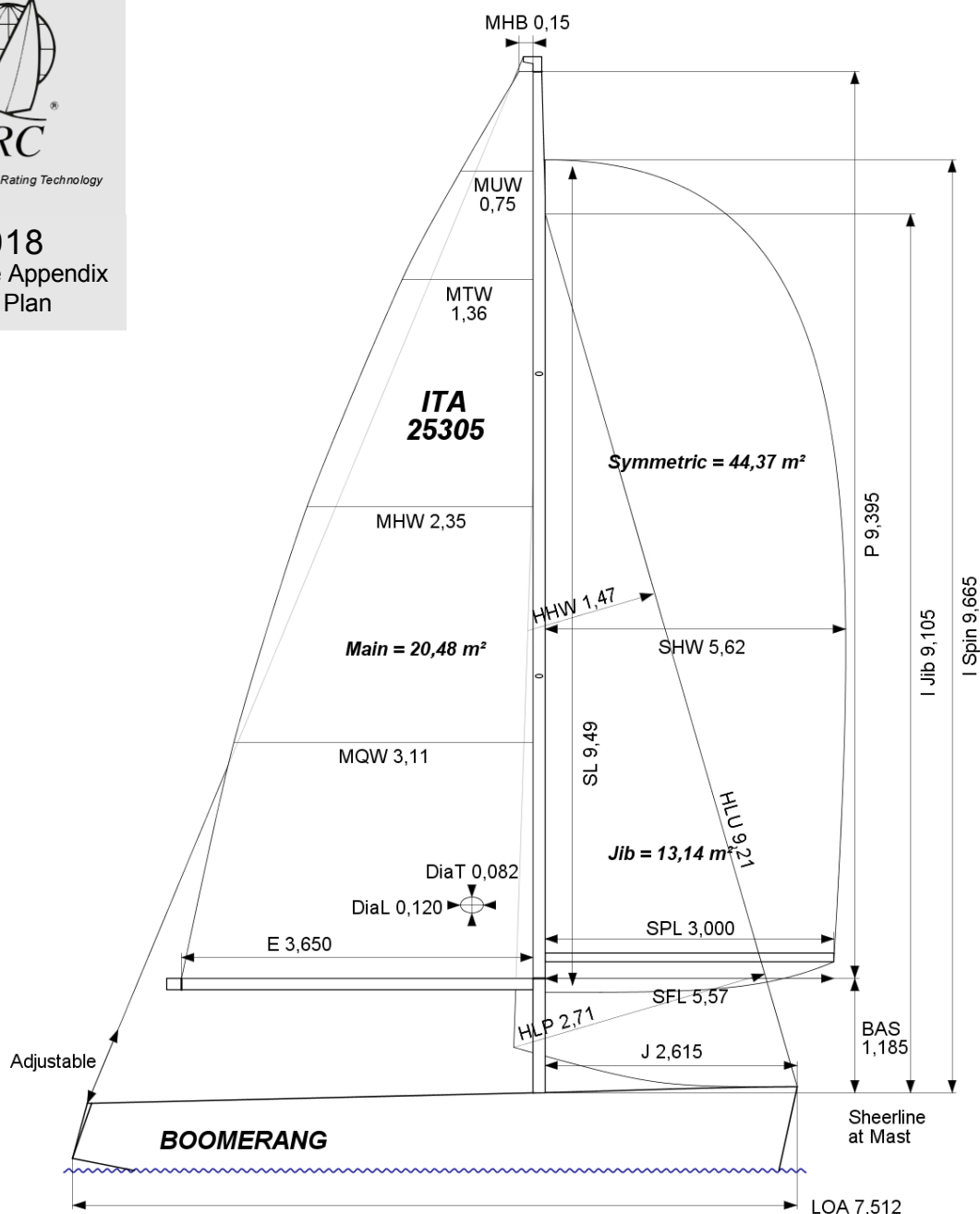
MEASUREMENT INVENTORY				
Measurer MORASSUTTI 136				
Date 14/03/2017				
Comment CALMA DI V.MARE CALMO				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
A	Engine	HONDA 2.3	2.3 HP-	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

MEASUREMENT INVENTORY				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
A	Misc	15.0	6.30	0.12 OUTB.MOTOR +FUEL TANK INTEGR.



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
B	0.150	0.75	1.36	2.35	3.11	20.48	PAIS	05/05/2014	Montefusco	Polyester	

HEADSAILS (3)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
B	0.07	0.39	0.76	1.47	2.13	2.71	9.21	104%	13.14	N	N	PAIS	05/05/2014	Montefusco	Polyest	
A	0.07	0.40	0.76	1.45	2.11	2.68	9.17	102%	12.96	N	N	MORASS	28/05/2013	BANKS	Unknow	
C	0.07	0.38	0.75	1.43	2.07	2.70	8.67	103%	12.13	N	N	PAIS	05/05/2014	Montefusco	Polyest	

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
B	9.49	9.49	9.49	5.62	5.57	44.37	MORASSUTTI	22/05/2016		Unknown	

ASYMMETRIC SPINNAKERS (0)

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