

BOAT Name HISPANIOLA Sail Nr MLT042	GPH 561.7	HULL Length Overall 12.540m Maximum Beam 3.298m Displacement 6,702kg Draft 2.563m IMS Reg. Division Performance Dynamic Allowance 0.000% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension 0.00
GENERAL Class EVENTO 42 Designer JUDEL/VROLIJK Builder GO MATERIALES COMP Series 05/2004 Age 05/2004 Age Allowance 0.455% Offset File ONOJV42.OFF - 26/04/2011 15:08:22 Measurement by SCHMIDT - 25/04/2011		IMSL 11.110m VCGD 0.022m Sink 22.89kg/mm RL 10.378m VCGM -0.028m WS 30.25m² LSM0 10.681m Displacement/Length ratio 5.5001



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	547.0			612.5		
Time on Time	1.0970			1.1020		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	637.5	499.1	446.9	825.1	616.7	539.0
Time on Time	1.0588	1.3523	1.5103	0.8181	1.0945	1.2524

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	918.8	752.9	679.1	655.5	644.8	629.6	626.6
52°	605.7	505.2	470.0	460.4	456.0	451.8	446.1
60°	574.3	486.7	457.3	447.8	443.0	440.5	431.8
75°	551.4	475.8	447.6	431.8	423.7	419.0	410.7
90°	557.3	472.4	445.9	426.4	408.9	396.5	385.9
110°	566.1	471.8	436.5	411.9	396.8	383.6	364.1
120°	586.2	483.1	443.7	416.1	388.9	368.0	342.1
135°	658.6	531.8	467.4	437.4	411.2	385.0	330.1
150°	785.4	625.0	527.6	469.7	440.4	415.9	368.0
Run VMG	906.9	721.7	609.2	536.9	490.1	454.6	407.0

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Crew Weight

Default 756kg
Maximum **860kg**
Minimum* **645kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	567.9	1.0566
Double H.OSN	555.6	1.0799
Non Spin GPH	590.8	1.0156
Non Spin OSN	575.3	1.0430

Selected Courses							
Windward / Leeward	912.8	737.3	644.1	596.2	567.5	542.1	516.8
Circular Random	769.5	622.6	545.1	500.8	473.4	455.0	430.8
Coastal / Long Distance	912.2	693.2	581.5	519.8	485.2	455.0	410.8
Non Spinnaker	821.8	659.7	572.6	521.9	490.4	469.4	442.8

Sails Limitations

Headsails	Spinnakers
6	4

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	42.4°	41.2°	39.4°	38.9°	38.5°	37.9°	38.4°
Beat VMG	3.92	4.78	5.30	5.49	5.58	5.72	5.74
52°	5.94	7.13	7.66	7.82	7.89	7.97	8.07
60°	6.27	7.40	7.87	8.04	8.13	8.17	8.34
75°	6.53	7.57	8.04	8.34	8.50	8.59	8.77
90°	6.46	7.62	8.07	8.44	8.80	9.08	9.33
110°	6.36	7.63	8.25	8.74	9.07	9.39	9.89
120°	6.14	7.45	8.11	8.65	9.26	9.78	10.52
135°	5.47	6.77	7.70	8.23	8.76	9.35	10.91
150°	4.58	5.76	6.82	7.66	8.17	8.66	9.78
Run VMG	3.97	4.99	5.91	6.71	7.34	7.92	8.85
Gybe Angles	142.9°	146.1°	148.5°	155.3°	167.7°	180.0°	180.0°

Class Division Length

CDL = **10.745**

Storm Sails Areas


Heavy Weather Jib **34.54**
Storm Jib (JL=10.40) **12.79**
Storm Trysail **18.00**

Owner

BOAT			
Name	HISPANIOLA	Sail Nr	MLT042
File	HispaniolaMLT042	Data in	meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date		13/09/2017	SG 1.0250
FFM	1.335	FF	1.335 SFFP 0.050
FAM	1.157	FA	1.157 SAFF 12.325
W1	100.1	PD1	530.6 WD 12.250
W2	100.1	PD2	545.4 GSA 1.0
W3	100.1	PD3	521.7 RSA 1.0
W4	100.1	PD4	527.9 PLM 9000.0
LCF from stem on CL / on sheer		6.729 / 6.900	
Maximum beam station from stem		8.260	
RM Measured		181.8kg·m	
RM Default		192.6kg·m	
Limit of positive stability / Stab.Index		125.9° / 132.8	
Freeboard at mast at 4.940		1.276	

RIG			
Forestay Tension	Aft	Spreaders	2
Inner Stay	None Fitted	Runners	0
Carbon Mast	Yes	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	16.750	E	6.140 MDT1 0.132 MW 0.251
IG	15.850	J	4.700 MDL1 0.251 GO 0.294
ISP	15.970	SFJ	0.240 MDT2 0.122 BD 0.295
BAS	1.532	SPL	4.700 MDL2 0.185 MWT 176.50
FSP	0.064	TPS	5.640 TL 1.620 MCG 6.540




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MIZZEN RIG AND SAILS			
N/A			

PROPELLER			
Installation	Strut	PRD	0.425
Type	Folding 2 blades	PBW	0.000
Twin Screw	No	PIPA	0.0036
ST1	0.042	ST3	0.180 ST5 0.285
ST2	0.000	ST4	0.112 EDL 1.585

COMMENTS			

MOVABLE BALLAST			
N/A			

CENTERBOARD			
N/A			

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.180	1.25	2.24	3.89	5.04	60.13	61.34	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL			SL · (SFL + 4·SHW) / 6	
	15.83	15.83	15.83	8.44	7.92	109.97			
Asymmetric	SLU	SLE	SL	SHW	SFL			AS · (SFL + 4·SHW) / 6	
	17.40	15.18	16.29	8.49	9.02	116.69			

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	0.82	1.53	2.68	3.76	4.80	15.66	40.46	Y		24/03/2016	Carbon	Light 2016
0.07	0.69	1.34	2.54	3.73	4.89	15.84	39.81			15/06/2008	Unknow	JIB TOP
0.13	0.76	1.38	2.51	3.60	4.85	15.87	39.49				Unknow	heavy
0.09	0.67	1.28	2.44	3.63	4.84	16.00	39.18			19/04/2013	Kevlar	JIB TOP 2013
0.10	0.75	1.39	2.50	3.59	4.81	15.79	39.10			29/08/2010	Carbon	med/heavy 2010
0.07	0.59	1.13	2.21	3.36	4.57	14.22	32.09				Carbon	#4

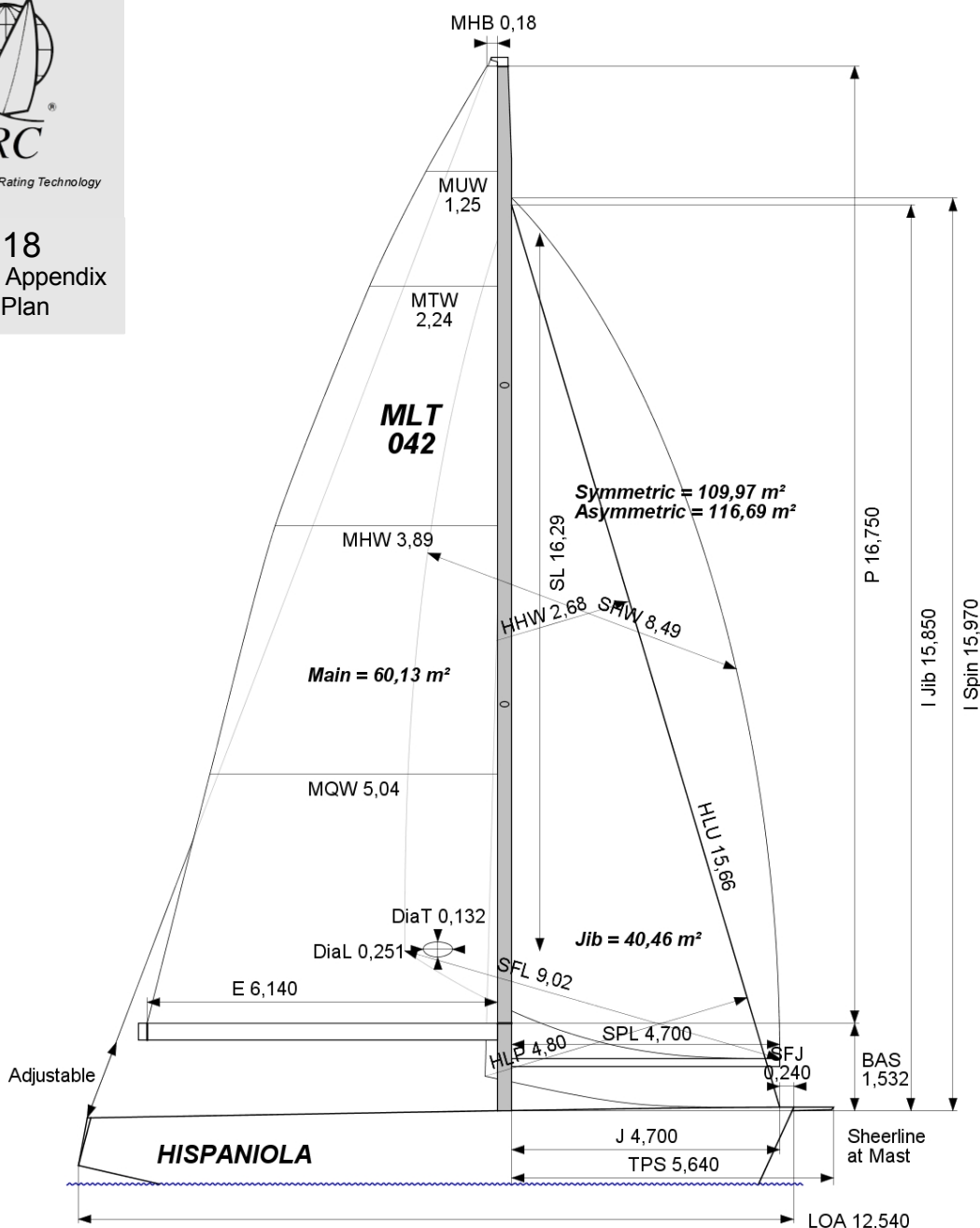
MEASUREMENT INVENTORY				
Measurer PINDOZZI FIV 174				
Date 13/09/2017				
Comment Margina Conditions				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	Yanmar		
Id	Item	Weight Description		

MEASUREMENT INVENTORY						
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG Condtn Description
1	Tank	Fr. Water	Plastic	130.0	6.65	0-0
2	Tank	Fuel	Stainless	83.0	8.55	0-0
3	Tank	Waste	Plastic	23.0	8.80	0-0
Id	Item	Weight	Distance	VCG Description		
1	Ballast	177.0	5.90	Keel		
2	Ballast	108.4	6.46	Comp. I Front		
3	Ballast	151.4	7.07	Comp. II Middle		
4	Ballast	190.0	7.48	Comp. III Aft		
1	Battery	22.6	7.35	Varta H3 100 Ah		
2	Battery		7.35	85 Ah-DX		



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.180	1.25	2.24	3.89	5.04	60.09	HK-32	09/04/2013	UK SAILS	Carbon	Main 2013

HEADSAILS (6)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
5	0.07	0.82	1.53	2.68	3.76	4.80	15.66	102%	40.46	Y		SLO03	24/03/2016	Supreme	Carbon	Light 2016
62162	0.07	0.69	1.34	2.54	3.73	4.89	15.84	104%	39.81			NORTH	15/06/2008	NORTH	Unknow	JIB TOP
1	0.13	0.76	1.38	2.51	3.60	4.85	15.87	103%	39.49			HK-32		UK SAILS	Unknow	heavy
3	0.09	0.67	1.28	2.44	3.63	4.84	16.00	103%	39.18			HK-32	19/04/2013	UK SAILS	Kevlar	JIB TOP 2013
B	0.10	0.75	1.39	2.50	3.59	4.81	15.79	102%	39.10			HANNEM	29/08/2010	UK SAILS	Carbon	med/heavy 2010
4	0.07	0.59	1.13	2.21	3.36	4.57	14.22	97%	32.09			HK-32		UK SAILS	Carbon	#4

SYMMETRIC SPINNAKERS (4)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	15.83	15.83	15.83	8.44	7.92	109.97	HK-32	16/04/2011	UK SAILS	Unknown	
3	15.82	15.82	15.82	8.34	8.34	109.95	HK-32	16/04/2011	UK SAILS	Unknown	
5	15.81	15.81	15.81	8.42	7.96	109.72	HK-32	19/04/2013	UK SAILS	Nylon	
4	15.68	15.68	15.68	7.44	7.61	97.66	HK-32	08/07/2012	UK SAILS	Nylon	Heavy reaching Spinnaker 2012

ASYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
1	17.40	15.18	16.29	8.49	9.02	116.69	asym	SLO03 Gale	24/03/2016	Supreme	Nylon	
2	15.88	14.19	15.04	7.82	10.37	104.37	asym				Unknown	