

BOAT
Name ENRIBET
Sail Nr ITA-13277

GPH
596.8

HULL	
Length Overall	11.924m
Maximum Beam	3.770m
Displacement	7,031kg
Draft	2.412m
IMS Reg. Division	Cruiser/Racer
Dynamic Allowance	0.132%
Fwd Accommodation	Yes
Hull Construction	Solid
Carbon Rudder	Yes
Crew Arm Extension	
IMSL	10.619m VCGD -0.269m Sink 22.14kg/mm
RL	9.622m VCGM -0.022m WS 29.58m²
LSM0	10.505m Displacement/Length ratio 6.0650



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GENERAL
Class FIRST 40.7
Designer FARR
Builder BENETEAU
Series 12/1997
Age 03/1999
Age Allowance 0.487%
Offset File I13277.off - 22/03/2016 11:46:34
Measurement by - 27/03/2017

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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	579.2			645.1		
Time on Time	1.0359			1.0464		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	685.3	528.2	470.6	883.2	648.4	560.6
Time on Time	0.9849	1.2780	1.4343	0.7643	1.0410	1.2041

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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1000.5	828.5	728.6	680.7	664.0	656.7	640.3
52°	658.7	555.2	501.8	481.0	473.3	469.6	464.0
60°	624.2	530.7	488.5	470.1	461.0	456.9	452.8
75°	598.0	513.9	479.1	460.4	447.0	437.3	429.4
90°	604.6	513.8	473.0	457.9	441.7	426.4	404.5
110°	610.7	506.3	465.6	442.2	423.6	411.8	393.2
120°	628.4	517.3	470.9	445.5	421.8	400.3	375.5
135°	695.6	564.4	493.6	462.0	438.7	415.2	371.2
150°	821.2	654.1	553.7	493.5	463.7	441.8	399.1
Run VMG	948.2	755.2	639.1	563.7	512.7	476.0	432.2

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VPP Ver. 2019 1.01
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Selected Courses							
Windward / Leeward	974.4	791.9	683.9	622.2	588.4	566.4	536.3
Circular Random	822.2	663.7	578.9	529.8	499.6	479.6	453.1
Coastal / Long Distance	971.8	744.3	617.5	545.9	509.4	480.6	435.1
Non Spinnaker	882.6	706.3	610.4	553.9	518.9	495.9	466.4

Crew Weight
Default 738kg
Maximum 755kg
Minimum* 566kg
*when applied by the NoR and SI
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	42.6°	40.9°	40.0°	38.7°	37.8°	38.1°	37.5°
Beat VMG	3.60	4.35	4.94	5.29	5.42	5.48	5.62
52°	5.47	6.48	7.17	7.48	7.61	7.67	7.76
60°	5.77	6.78	7.37	7.66	7.81	7.88	7.95
75°	6.02	7.00	7.51	7.82	8.05	8.23	8.38
90°	5.95	7.01	7.61	7.86	8.15	8.44	8.90
110°	5.89	7.11	7.73	8.14	8.50	8.74	9.15
120°	5.73	6.96	7.64	8.08	8.54	8.99	9.59
135°	5.18	6.38	7.29	7.79	8.21	8.67	9.70
150°	4.38	5.50	6.50	7.30	7.76	8.15	9.02
Run VMG	3.80	4.77	5.63	6.39	7.02	7.56	8.33
Gybe Angles	144.4°	148.5°	150.5°	155.8°	170.8°	180.0°	180.0°

Special Scoring	
ToD	ToT
Double H.GPH 604.5	0.9925
Double H.OSN 588.2	1.0200
Non Spin GPH 630.1	0.9522
Non Spin OSN 611.0	0.9820

Sails Limitations	
Headsails 6	Spinnakers 4

Class Division Length
CDL = 10.121

Storm Sails Areas	
Heavy Weather Jib 33.79	
Storm Jib (JL=10.29) 12.52	
Storm Trysail 13.92	

Owner

BOAT	
Name ENRIBET	Sail Nr ITA-13277
File I13277	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 3
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 14.736	E 5.395 MDT1 0.118 MW 0.215
IG 15.713	J 4.427 MDL1 0.215 GO 0.245
ISP 16.524	SFJ MDT2 0.118 BD 0.190
BAS 1.735	SPL 4.422 MDL2 0.188 MWT 199.60
FSP 0.066	TPS TL 0.538 MCG 5.805

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 11/05/2017	SG 1.0230	
FFM 1.365	FF 1.366	SFFP 0.292
FAM 1.119	FA 1.120	SAFP 11.313
W1 100.0	PD1 529.5	WD 11.980
W2 100.0	PD2 529.1	GSA 1.0
W3 100.0	PD3 527.6	RSA 1.0
W4 100.0	PD4 526.3	PLM 9000.0
LCF from stem on CL / on sheer		6.499 / 6.733
Maximum beam station from stem		7.502
RM Measured		178.6kg-m
RM Default		176.2kg-m
Limit of positive stability / Stab.Index		121.0° / 123.4
Freeboard at mast at 4.427		1.223



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.432	
Type Folding 2 blades	PBW 0.112	
Twin Screw No	PIPA 0.0032	
ST1 0.048	ST3 0.170 ST5 0.290	
ST2 0.170	ST4 0.098 EDL 2.270	

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.170	1.14	2.04	3.48	4.50	47.23	48.28	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	109.77		SL · (SFL + 4·SHW) / 6	
	16.49	16.49	16.49	8.02	7.86				
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	0.74	1.39	2.53	3.53	4.44	15.69	37.77	Y	N	27/03/2017	Carbon	JL
0.07	0.71	1.34	2.48	3.51	4.44	15.69	37.33	Y	N	27/03/2017	Carbon	JM
0.06	0.69	1.29	2.41	3.44	4.41	15.72	36.66	Y	N	27/03/2017	Carbon	J2
0.00	0.00	0.00	0.00	0.00	4.34	15.77	34.84	Y	N	30/04/1999	Kevlar	J3
0.00	0.00	0.00	0.00	0.00	3.70	13.62	25.66	Y	N	30/04/1999	Kevlar	J4

MEASUREMENT INVENTORY				
Measurer FIV 132				
Date 11/05/2017				
Comment				
<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	40 HP	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	

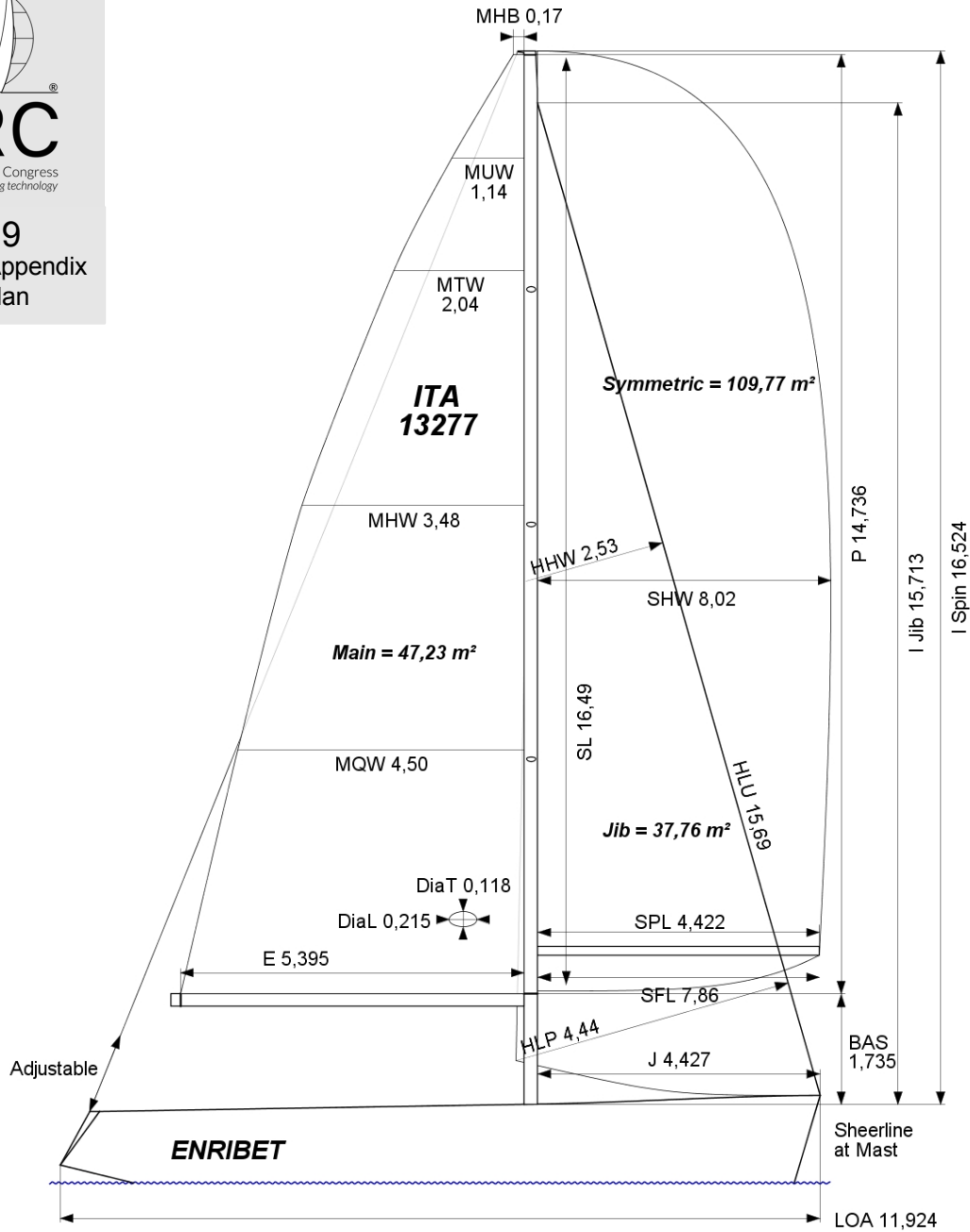
MEASUREMENT INVENTORY							
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn Description</i>
A	Tank	FUEL	POLYETHYLENE	130.0	9.40	-0.05	3-0 L CX
B	Tank	WATER	POLYETHYLENE	150.0	5.35	-0.12	0-0 DX
C	Tank	WATER	POLYETHYLENE	150.0	5.35	-0.12	0-0 SX
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>		
A	Ballast	132.5	6.83	-0.23	5 LEAD PIGS - CX		
B	Ballast	53.0	6.75	-0.23	2 LEAD PIGS - CX		
A	Battery	25.0	7.50	-0.12	100 Ah SERVICES - CX		
B	Battery	20.0	7.47	-0.12	80Ah ENGINE - CX		
C	Battery	25.0	7.26	-0.12	100 Ah SERVICES - CX		
A	Misc	0.0	8.45	-0.12	BOILER - DX		



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.17	1.14	2.04	3.48	4.50	47.23		27/03/2017	VELMAN	Carbon	R7
B	0.16	1.10	1.99	3.40	4.45	46.53		21/09/2015	VELMAN	Carbon	R2

HEADSAILS (5)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.07	0.74	1.39	2.53	3.53	4.44	15.69	100%	37.77	Y	N		27/03/2017	VELMAN	Carbon	JL
B	0.07	0.71	1.34	2.48	3.51	4.44	15.69	100%	37.33	Y	N		27/03/2017	VELMAN	Carbon	JM
C	0.06	0.69	1.29	2.41	3.44	4.41	15.72	100%	36.66	Y	N		27/03/2017	VELMAN	Carbon	J2
D	0.00	0.00	0.00	0.00	0.00	4.34	15.77	98%	34.84	Y	N		30/04/1999	SOBSTAD	Kevlar	J3
E	0.00	0.00	0.00	0.00	0.00	3.70	13.62	84%	25.66	Y	N		30/04/1999	SOBSTAD	Kevlar	J4

SYMMETRIC SPINNAKERS (5)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	16.49	16.49	16.49	8.02	7.86	109.77		27/03/2017	VELMAN	Nylon	5A
B	16.48	16.48	16.48	8.00	7.86	109.49		08/01/2011		Nylon	BLU 1
C	15.92	15.92	15.92	8.29	8.10	109.48		24/10/2009		Nylon	BLU 2
D	15.58	15.58	15.58	7.96	0.00	103.37		30/04/1999	SOBSTAD	Nylon	0.75
E	15.61	15.61	15.61	6.11	7.87	84.06		27/03/2017	VELMAN	Unknown	M

ASYMMETRIC SPINNAKERS (0)

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