

BOAT
Name DIETRO LA LUNA Sail Nr ITA-12607

GPH
679,4

HULL
Length Overall 10,759 m
Maximum Beam 3,700 m
Displacement 5.993 kg
Draft 1,970 m
IMS Reg. Division Cruiser/Racer
Dynamic Allowance 0,408%
Fwd Accommodation Yes
Hull Construction Solid
Carbon Rudder No
Crew Arm Extension
IMS L 9,299 VCGD 0,141 VCGM 0,149
Sink 18,60 kg/mm Wetted Area 26,17 m²



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2014
ORC International
Certificate

GENERAL
Class FIRST 35
Designer BERRET
Builder BENETEAU
Series 01/1981
Age 01/1981
Age Allowance 0,487%
Offset File US16758.BOF - 6/6/2014 13:52:16
Measurement by CICCO-PROV-LEUZZI - 04/02/2014

SCORING OPTIONS	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	658,1			733,2		
Time On Time	0,9117			0,9207		
Performance Line	PLT 0,748	PLD 84,6		PLT 0,683	PLD 131,5	
Triple Number	Low 0,8479	Medium 1,1292	High 1,2917	Low 0,6508	Medium 0,9086	High 1,0870

Rating Office

Offshore
Racing
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1174,0	969,9	858,3	780,8	742,5	723,0	709,5
52°	756,8	634,8	563,4	528,6	513,0	506,2	501,4
60°	709,7	598,3	539,5	513,5	499,0	491,3	485,8
75°	673,0	569,5	523,4	501,9	486,3	473,3	458,2
90°	680,0	575,4	525,8	499,3	487,9	473,2	447,0
110°	709,7	582,7	522,4	495,6	474,1	452,9	431,3
120°	734,8	602,2	531,6	502,0	480,9	459,8	422,2
135°	820,4	666,0	569,4	521,8	497,3	477,1	437,2
150°	974,2	763,0	642,6	562,6	520,7	497,3	457,9
Run VMG	1125,0	879,8	737,0	636,9	566,7	525,0	481,4

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Number 126071
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Issued On 4/2/2014
VPP Ver. 2014 0.99
Valid until 31/12/2014

Selected Courses							
Windward / Leeward	1149,5	924,9	797,6	708,9	654,6	624,0	595,5
Circular Random	950,7	761,7	658,4	597,1	559,0	534,2	504,3
Ocean for PCS	1013,0	795,3	672,8	597,6	548,5	514,4	467,7
Non Spinnaker	998,3	795,4	683,6	616,6	574,4	546,8	513,5

Crew Weight
Declared 625 kg
Default* 607 kg
Non Manual Pwr No

Special Scoring
ToD ToT
Double H.GPH 681,5 0,8804
Double H.OSN 661,6 0,9069
Non Spin GPH 706,0 0,8499
Non Spin OSN 682,0 0,8797
N/S Perf. Line 62,2 0,689

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	44,5°	43,0°	42,9°	42,3°	40,7°	39,6°	39,5°
Beat VMG	3,07	3,71	4,19	4,61	4,85	4,98	5,07
52°	4,76	5,67	6,39	6,81	7,02	7,11	7,18
60°	5,07	6,02	6,67	7,01	7,21	7,33	7,41
75°	5,35	6,32	6,88	7,17	7,40	7,61	7,86
90°	5,29	6,26	6,85	7,21	7,38	7,61	8,05
110°	5,07	6,18	6,89	7,26	7,59	7,95	8,35
120°	4,90	5,98	6,77	7,17	7,49	7,83	8,53
135°	4,39	5,41	6,32	6,90	7,24	7,54	8,24
150°	3,70	4,72	5,60	6,40	6,91	7,24	7,86
Run VMG	3,20	4,09	4,88	5,65	6,35	6,86	7,48
Gybe Angles	146,4°	152,6°	160,2°	170,0°	173,6°	178,0°	178,9°

Sails Limitations		
Genoas 3	Jibs 2	Spinnakers 3
Spinnaker configuration Symmetric		

Storm Sails Areas
Heavy Weather Jib 25,38
Storm Jib (JL=8,91) 9,40
Storm Trysail 8,12

Owner

BOAT	
Name DIETRO LALUNA	Sail Nr ITA-12607
File (0)	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay Adjustable	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 11,900	E 3,900 MDT1 0,130 MW 0,200
IG 13,710	J 4,060 MDL1 0,200 GO 0,200
ISP 13,690	SFJ MDT2 0,130 BD 0,130
BAS 1,410	SPL 4,060 MDL2 0,200 MWT
FSP 0,040	TPS TL MCG

MIZZEN RIG AND SAILS	
N/A	

COMMENTS

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 13/11/1993	SG 1,0240	
FFM 1,233	FF 1,250	SFFP 0,640
FAM 1,049	FA 1,043	SAFP 9,697
W1 16,500	PD1 40,0	WD 11,050
W2 33,000	PD2 80,0	GSA 7,1
W3 49,500	PD3 120,0	RSA 8100,0
W4 66,000	PD4 160,0	PLM 1511,0
LCF from stem on CL / on sheer		5,909 / 6,169
Maximum beam station from stem		6,614
RM Measured / Default		120,4 / 127,1
Limit of positive stability / Stab.Index		111,6° / 111,9
Freeboard at mast at 4,060		1,191

PROPELLER		
Installation Shaft exposed	PRD 0,430	
Type Folding	PBW 0,115	
Twin Screw No	PIPA 0,0051	
PSA 20,000	PHL 0,125 ST3 0,070 ESL 0,880	
PSD 0,030	ST1 0,018 ST4 0,050	
PHD 0,070	ST2 0,070 ST5 0,210	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	




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IMS Measurement
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SAILS (Maximum Areas)						
Mainsail	HB	MGT	MGU	MGM	MGL	Formula
	0,150	0,83	1,37	2,44	3,22	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Symmetric	SL	SMG	SF			
	13,56	7,42	7,31	83,60	$SL \cdot (SF + 4 \cdot SMG) / 6$	
Asymmetric Not Available						

HEADSAILS												
Area = $0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$												
JH	JGT	JGU	JGM	JGL	LPG	JL	Area	Btn	Fly	Meas.Date	Material	Comment
0,05	0,75	1,51	3,03	4,54	6,08	13,85	42,02	N	N	04/02/2014		* Copied from legacy *

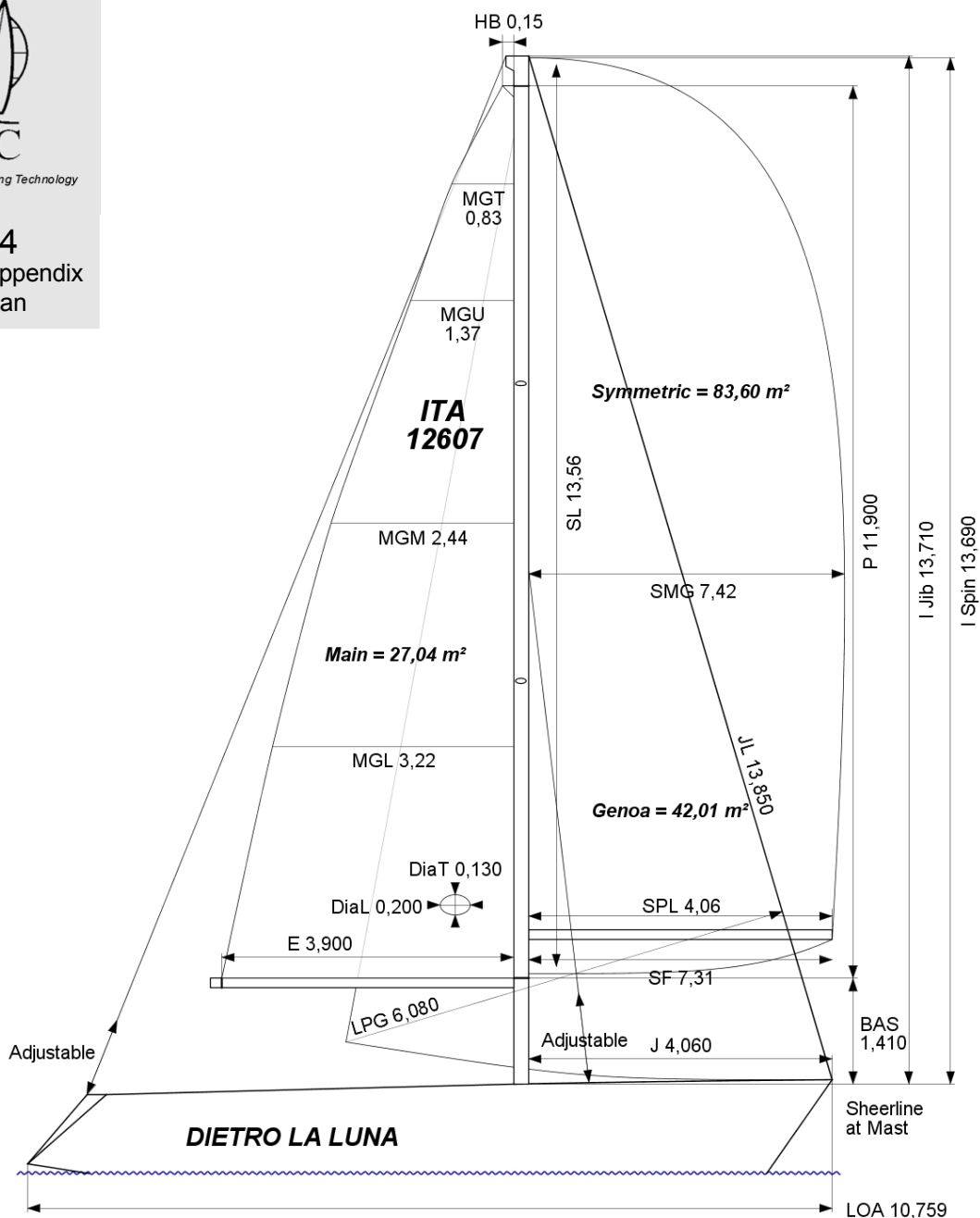
MEASUREMENT INVENTORY				
Measurer CICCOLO 4				
Date 13/11/1993				
Comment				
Id	Item	Weight	Distance	VCG Description
A	Anchor	11,0	0,80	0,00
A	Chain	20,0	0,80	0,00
A	Tools	15,0	5,00	0,00 3 CASSE
Id	Item	Maker	Model	
A	Engine	VOLVO	MD11C	
Id	Item	Weight	Description	
A	Deck Gear	15,0		

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
A	Tank	ACQUA	PVC	90,0	4,96	0,00	0,0	VUOTO
B	Tank	ACQUA	PVC	100,0	4,96	0,00	0,0	VUOTO
C	Tank	GASOLIO	INOX	70,0	7,00	0,00	0,0	VUOTO
Id	Item	Weight	Distance	VCG Description				
A	Battery	26,0	6,00	0,00 2 BATTERIE				



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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	0,150	0,83	1,37	2,44	3,22	27,04	LEUZZI	23/01/2014			

HEADSAILS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
A	0,05	0,75	1,51	3,03	4,54	6,08	13,85	150%	42,02	N	N	LEUZZI	04/02/2014			* Copied from legacy *

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	13,56	7,42	7,31	83,60					* Copied from legacy *

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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