

BOAT Name PROFLO Sail Nr ITA-13130	GPH 609,5	HULL Length Overall 11,360m Maximum Beam 3,660m Displacement 5.365kg Draft 2,096m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0,000% Fwd Accommodation No Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class IMX 38 Designer JEPPESEN Builder X-YACHTS Series 09/1992 Age 11/1995 Age Allowance 0,487% Offset File ORC0010.OFF - 23/11/1995 11:10:40 Measurement by NO CET-BELARD-ZIZZI - 20/04/2012		IMSL 9,808m VCGD -0,052m Sink 19,50kg/mm RL 9,021m VCGM 0,018m WS 25,89m²



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ORC International
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Rating Office

Offshore
Racing
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SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	594,4			662,6		
Time On Time	1,0095			1,0187		
Performance Line	0,886	117,1		0,866	205,7	
Triple Number	Low 0,9691	Medium 1,2476	High 1,4037	Low 0,7435	Medium 1,0108	High 1,1759

TIME ALLOWANCES	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1003,9	837,3	745,3	703,0	680,6	667,0	665,1
52°	651,1	548,6	504,8	489,8	482,3	477,9	474,2
60°	611,3	523,2	490,1	475,7	468,0	463,2	458,8
75°	578,8	506,6	478,8	460,0	445,8	438,0	431,3
90°	582,2	508,4	479,7	459,6	440,4	424,4	407,2
110°	627,5	521,8	479,9	454,0	429,4	408,9	391,9
120°	648,5	534,0	488,4	461,7	435,5	411,4	377,5
135°	725,3	588,9	514,9	481,5	457,0	432,3	386,0
150°	864,6	685,8	579,2	514,1	482,2	458,4	412,3
Run VMG	998,3	791,9	667,4	581,7	521,9	487,4	440,4

Selected Courses	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Windward / Leeward	1001,1	814,6	706,4	642,4	601,3	577,2	552,7
Circular Random	837,2	677,3	591,7	541,7	510,8	490,4	465,1
Ocean for PCS	892,6	707,5	604,6	541,8	500,2	470,6	428,3
Non Spinnaker	875,8	704,8	612,3	557,9	524,0	501,5	473,3

Velocity Prediction in Knots for True Wind Speeds	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43,9°	43,1°	41,9°	40,2°	38,9°	38,3°	38,6°
Beat VMG	3,59	4,30	4,83	5,12	5,29	5,40	5,41
52°	5,53	6,56	7,13	7,35	7,46	7,53	7,59
60°	5,89	6,88	7,34	7,57	7,69	7,77	7,85
75°	6,22	7,11	7,52	7,83	8,08	8,22	8,35
90°	6,18	7,08	7,50	7,83	8,18	8,48	8,84
110°	5,74	6,90	7,50	7,93	8,38	8,80	9,19
120°	5,55	6,74	7,37	7,80	8,27	8,75	9,54
135°	4,96	6,11	6,99	7,48	7,88	8,33	9,33
150°	4,16	5,25	6,22	7,00	7,47	7,85	8,73
Run VMG	3,61	4,55	5,39	6,19	6,90	7,39	8,18
Gybe Angles	144,0°	149,1°	152,6°	161,7°	174,9°	178,6°	178,6°

Certificate

Number **131301**
ORC Ref **ITA00016902**
Issued On **25/6/2015**
VPP Ver. **2015 1.01**
Valid until **31/12/2015**

Crew Weight

Declared **660kg**
Default* **660kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	614,0	0,9771
Double H.OSN	600,3	0,9995
Non Spin GPH	631,4	0,9503
Non Spin OSN	615,2	0,9753
N/S Perf. Line	94,2	0,820

Sails Limitations

Headsails	Spinnakers
6	3

Class Division Length

CDL = **9,415**

Storm Sails Areas

Heavy Weather Jib **32,88**
Storm Jib (JL=10,14) **12,18**
Storm Triesail **11,45**

Owner

BOAT	
Name PROFILO	Sail Nr ITA-13130
File I13130.dxt	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 10/02/1996	SG 1,0260	
FFM 1,222	FF 1,227	SFFP 1,098
FAM 0,960	FA 0,960	SAFP 10,595
W1 17,000	PD1 119,9	WD 12,300
W2 34,000	PD2 237,4	GSA 1,0
W3 51,000	PD3 359,1	RSA 1,0
W4 68,000	PD4 484,1	PLM 9000,0
LCF from stem on CL / on sheer		6,238 / 6,480
Maximum beam station from stem		6,705
RM Measured		137,8kg·m
RM Default		136,7kg·m
Limit of positive stability / Stab.Index		114,4° / 113,4
Freeboard at mast at 4,610		1,098

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 13,300	E 4,920	MDT1 0,116	MW 0,160
IG 15,535	J 4,360	MDL1 0,200	GO 0,180
ISP 15,455	SFJ 0,250	MDT2 0,115	BD 0,188
BAS 1,865	SPL 4,360	MDL2 0,172	MWT 186,70
FSP 0,072	TPS	TL 1,600	MCG 4,869



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2015 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0,410	
Type Folding 2 blades	PBW 0,112	
Twin Screw No	PIPA 0,0032	
ST1 0,048	ST3 0,170	ST5 0,295
ST2 0,170	ST4 0,098	EDL 1,490

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COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)						
Mainsail	HB	MGT	MGU	MGM	MGL	Area Area (r) Formula
	0,180	1,10	1,95	3,27	4,20	39,86 40,89 $P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Symmetric	SL	SMG	SF			
	15,26	8,00	7,85	101,35	$SL \cdot (SF + 4 \cdot SMG) / 6$	
Asymmetric	SLU	SLE	ASL	AMG	ASF	Area (r)
	15,36	14,22	14,79	5,83	7,75	76,59 79,82 $ASL \cdot (ASF + 4 \cdot AMG) / 6$

HEADSAILS												
Area = 0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)												
JH	JGT	JGU	JGM	JGL	LPG	JL	Area	Btn	Fly	Meas.Date	Material	Comment
0,05	0,00	0,00	0,00	0,00	6,48	15,48	50,51	N	N	07/03/2008	Unknow	
0,10	0,75	1,38	2,44	3,48	4,47	15,62	37,20	N	N	20/04/2012	Kevlar	

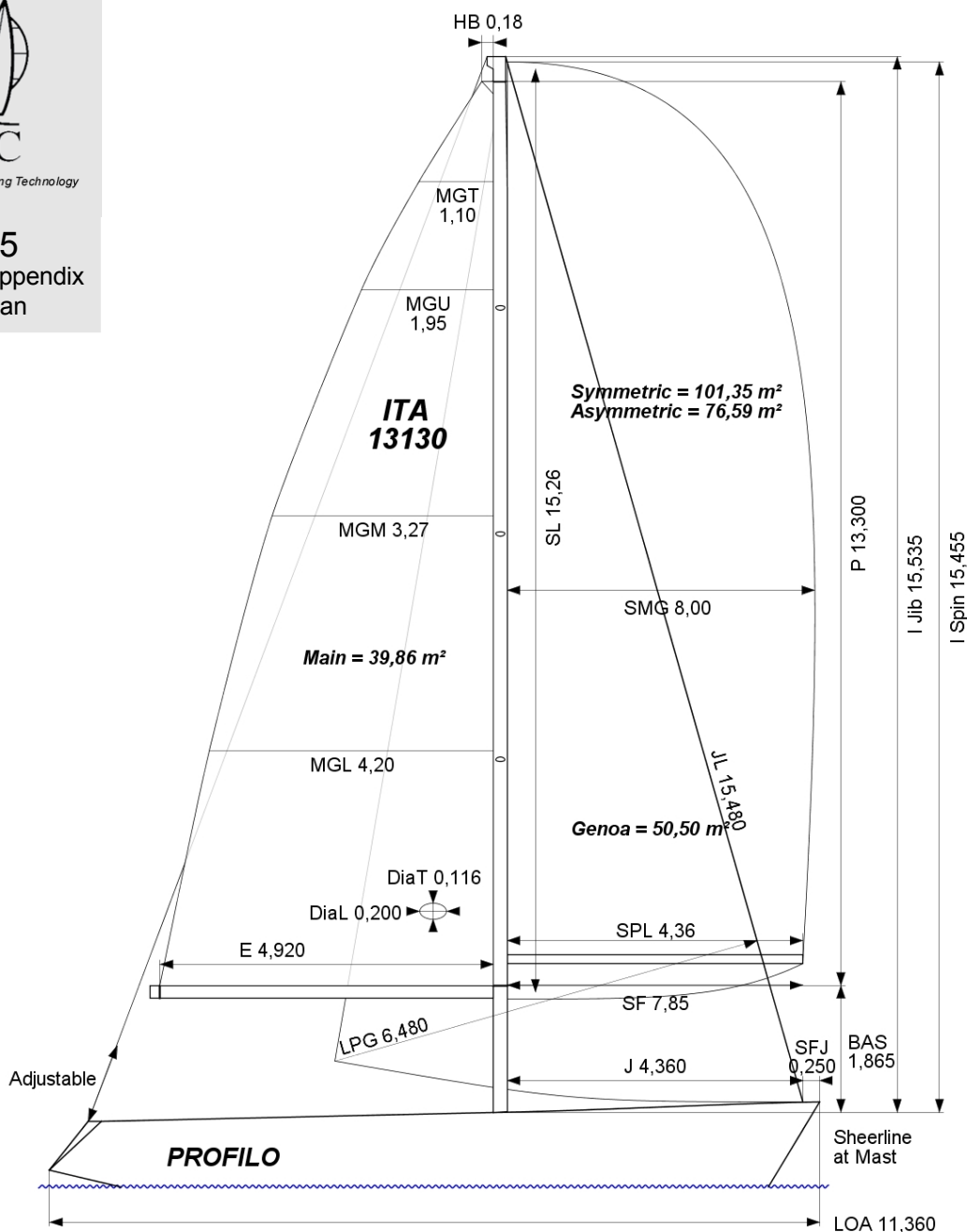
MEASUREMENT INVENTORY				
Measurer NOCETI 120				
Date 10/02/1996				
Comment				
Id	Item	Weight	Distance	VCG Description
+	Anchor	15,0	5,50	0,00
+	Chain	6,0	5,50	0,00
+	Tools	4,0	4,50	0,00
Id	Item	Maker	Model	
1	Engine	VOLVO	28 HP	
Id	Item	Weight	Description	
+	Deck-Gear	18,0		

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
1	Tank	ACQUA	PVC	200,0	5,98	0,00	0-0	VUOTO
2	Tank	GASOLIO	INOX	85,0	6,44	0,00	0-0	VUOTO
Id	Item	Weight	Distance	VCG Description				
1	Battery	60,0	6,56	0,00 3 BATTERIE				
1	Misc	25,0	5,20	0,00 BOILER				



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Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	0,180	1,10	1,95	3,27	4,20	39,86	ZIZZI	20/04/2012	BANKS	Kevlar	

HEADSAILS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
B	0,05	0,00	0,00	0,00	0,00	6,48	15,48	149%	50,51	N	N	BASILE	07/03/2008		Unknow	
A	0,10	0,75	1,38	2,44	3,48	4,47	15,62	103%	37,20	N	N	ZIZZI	20/04/2012	BANKS	Kevlar	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	15,26	8,00	0,00	101,35					* Copied from legacy *

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A	15,36	14,22	14,79	5,83	7,75	76,59	asym	ZIZZI	20/04/2012	BANKS	Nylon	