


BOAT
Name ELISADUE
Sail Nr ITA-11673

GPH
672,3

HULL	
Length Overall	10,230 m
Maximum Beam	3,236 m
Displacement	4.742 kg
Draft	1,898 m
IMS Reg. Division	Cruiser/Racer
Dynamic Allowance	0,480%
Fwd Accommodation	Yes
Hull Construction	Cored
Carbon Rudder	No
Crew Arm Extension	
IMS L	8,454 VCGD 0,076 VCGM 0,082
Sink	15,24 kg/m² Wetted Area 21,06 m²



World Leader in Rating Technology


2010
ORC International
Certificate

GENERAL
Class X-342
Designer JEPPESEN
Builder X YACHTS
Series 04/1989
Age 11/1989
Age Allowance 0,975%
Offset File IX342.OFF - 25/1/2014 00:23:48
Measurement by CUCCOTT-FIORAVANTI - 07/02/2009

SCORING OPTIONS	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	672,3			750,1		
Time On Time	0,8925			0,8999		
Performance Line	PLT	PLD		PLT	PLD	
	0,798	114,4		0,962	313,9	
Triple Number	Low	Medium	High	Low	Medium	High
	0,8748	1,1349	1,2733	0,6661	0,9195	1,0646

Rating Office

Offshore
Racing
Congress



World Leader in Rating Technology

TIME ALLOWANCES		6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity								
Beat VMG	1139,0	921,2	822,9	776,8	748,8	731,2	727,3	
52°	727,9	609,3	561,7	540,3	528,6	520,8	513,2	
60°	676,4	585,0	544,1	521,8	510,4	502,8	494,5	
75°	640,3	567,8	529,7	506,4	488,6	478,2	468,3	
90°	634,0	554,9	516,6	493,4	481,1	473,3	451,5	
110°	654,6	568,5	527,4	497,2	472,3	454,9	435,4	
120°	701,5	588,0	539,6	508,2	481,8	458,7	424,9	
135°	813,1	641,7	570,8	532,1	504,1	480,3	439,5	
150°	972,2	754,0	629,3	569,0	532,9	506,1	463,1	
Run VMG	1122,6	870,7	724,2	635,8	580,1	543,3	493,9	

Certificate
Number 116731
ORC Ref ITA00003841
Issued On 22/2/2010
VPP Ver. 2010 1.03
Valid until 31/12/2010

Selected Courses		6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Windward / Leeward	1150,0	911,7	786,1	715,6	672,4	644,6	617,1	
Circular Random	928,3	748,1	652,0	596,4	562,5	540,4	513,4	
Ocean for PCS	992,4	782,5	666,6	596,7	551,3	519,4	473,9	
Non Spinnaker	991,2	791,3	683,0	619,5	580,4	555,0	524,6	

Crew Weight	
Declared	500 kg
Default*	553 kg
Non Manual Pwr	No

Special Scoring	
ToD	ToT
D. Hand OSN 674,7	0,8893
Non Spin. OSN 705,4	0,8506
N/S Perf. Line 79,8	0,713

Velocity Prediction in Knots for True Wind Speeds		6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity								
Beat Angles	45,1°	43,8°	40,7°	38,9°	37,9°	37,1°	37,8°	
Beat VMG	3,16	3,91	4,37	4,63	4,81	4,92	4,95	
52°	4,95	5,91	6,41	6,66	6,81	6,91	7,01	
60°	5,32	6,15	6,62	6,90	7,05	7,16	7,28	
75°	5,62	6,34	6,80	7,11	7,37	7,53	7,69	
90°	5,68	6,49	6,97	7,30	7,48	7,61	7,97	
110°	5,50	6,33	6,83	7,24	7,62	7,91	8,27	
120°	5,13	6,12	6,67	7,08	7,47	7,85	8,47	
135°	4,43	5,61	6,31	6,77	7,14	7,50	8,19	
150°	3,70	4,77	5,72	6,33	6,76	7,11	7,77	
Run VMG	3,21	4,13	4,97	5,66	6,21	6,63	7,29	
Gybe Angles	143,7°	147,0°	153,5°	165,5°	171,4°	174,5°	175,3°	

Sails Limitations		
Genoa	Jibs	Spinnakers
3	2	3
Spinnaker configuration Symmetric		

Storm Sails Areas	
Heavy Weather Jib	23,76
Storm Jib (JL=8,62)	8,80
Storm Trysail	7,55

Owner

BOAT	
Name ELISADUE File (0)	Sail Nr ITA-11673 Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay Adjustable	Runners 1
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 11,360	E 3,800 MDT1 0,112 TL
IG 13,198	J 3,850 MDL1 0,165 MWT
ISP 13,198	SFJ MDT2 0,112 MCG
SPS 2,775	SPL 3,850 MDL2 0,165 CPW
BAS 1,688	TPS MW 0,160 BD 0,150
BAL 0,152	FSP 0,064 GO 0,180 BWT

MIZZEN RIG AND SAILS	
N/A	


COMMENTS

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 15/05/1993	SG 1,0230	
FFM 1,150	FF 1,151	SFFP 0,533
FAM 0,846	FA 0,847	SAFP 9,008
W1 10,000	PD1 38,0	WD 10,600
W2 20,000	PD2 68,0	GSA 19,4
W3 30,000	PD3 98,0	RSA 7305,7
W4 40,000	PD4 137,0	PLM 1510,0
LCF from stem on CL / on sheer		5,583 / 0,000
Maximum beam station from stem		6,565
RM Measured / Default		82,4 / 89,9
Limit of positive stability / Stab.Index		110,5° / 111,7
Freeboard at mast at 3,850		1,004

PROPELLER		
Installation Shaft exposed	PRD 0,435	
Type Folding	PBW 0,209	
Twin Screw No	PIPA 0,0062	
PSA 20,000	PHL 0,160 ST3 0,140 ESL 0,735	
PSD 0,025	ST1 0,031 ST4 0,050	
PHD 0,096	ST2 0,100 ST5 0,264	

MOVEABLE BALLAST	
N/A	


CENTERBOARD	
N/A	



World Leader in Rating Technology

2010
IMS Measurement
Certificate

Certificate
Number **116731**
ORC Ref **ITA00003841**
Issued On **22/2/2010**
VPP Ver. **2010 1.03**
Valid until **31/12/2010**



World Leader In Rating Technology

SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	Area	Area (r)	Formula	
	0,160	0,82	1,47	2,46	3,24	25,99	26,50	P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0,05	0,73	1,42	2,79	4,15	13,10	5,52	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF				71,17	SL · (SF + 4·SMG) / 6	
	12,90	6,88	5,58						
Asymmetric Not Available									
Code Zero Not Available									

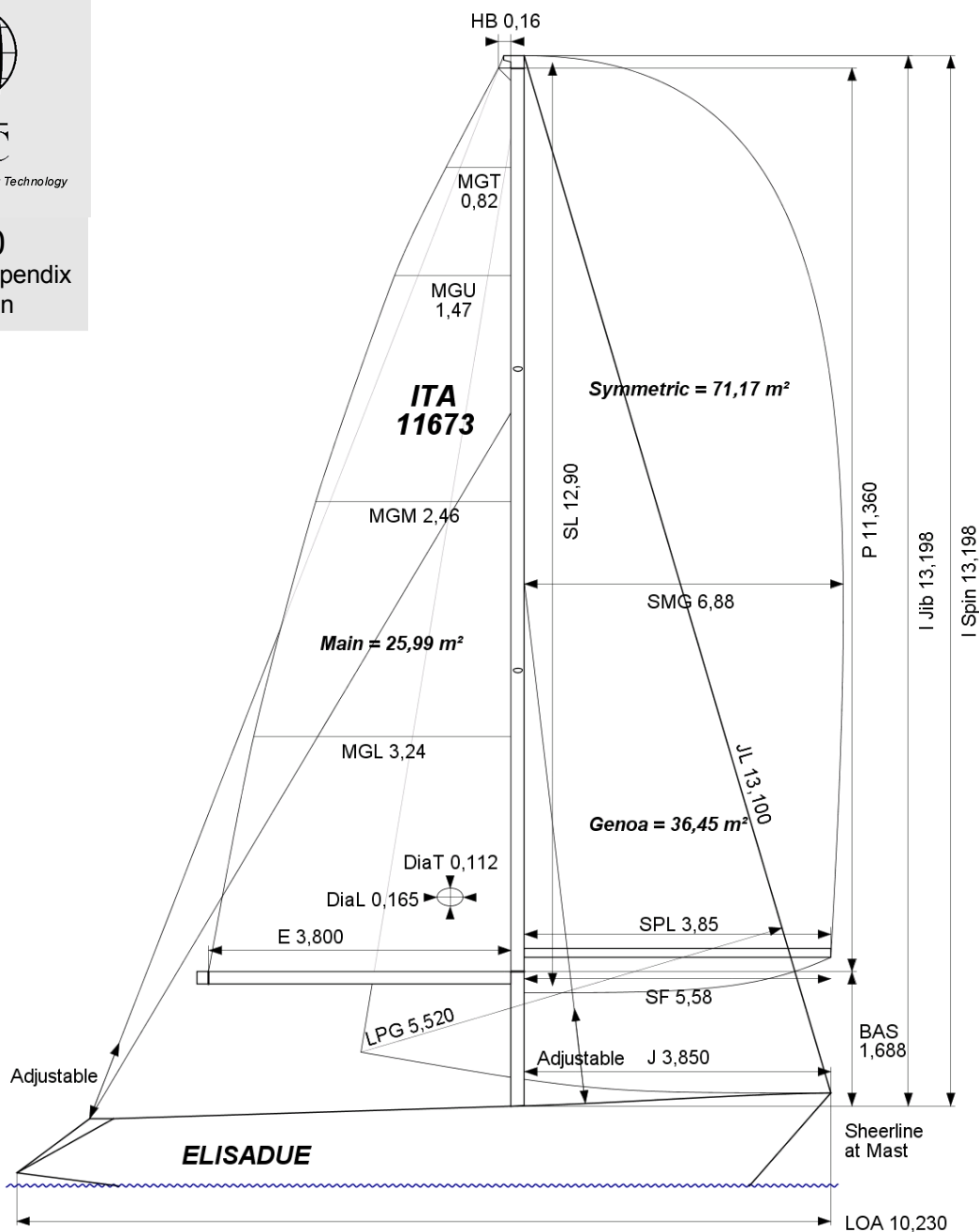
MEASUREMENT INVENTORY			
Measurer CUCCOTTI 79			
Date 15/05/1993			
Comment			
Id	Item	Weight	Distance
A	Anchor	22,0	6,50
A	Tools	10,0	5,50
Id	Item	Maker	Model
A	Engine	VOLVO	2002 18 HP
Id	Item	Weight	Description
A	Deck Gear	20,0	

MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
A	Tank	ACQUA	PVC	120,0	4,80		0,0 VUOTO
B	Tank	GASOLIO	INOX	60,0	4,80		20,0 LITRI
Id	Item	Weight	Distance	VCG	Description		
A	Battery	15,0	4,10		1 BATTERIA		
B	Battery	15,0	4,30		1 BATTERIA		



World Leader in Rating Technology

2010
Certificate Appendix
Sail Plan



SAILS INVENTORY

MANSAL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	0,160	0,82	1,47	2,46	3,24	25,99	FIORAVANTI	07/02/2009	MONTEFUS	Unknown	

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	0,05	0,00	0,00	0,00	0,00	5,52	13,10	143%	36,46	FIORAVA	07/02/2009	SOBSTAD	Unknown	
B	0,06	0,00	0,00	0,00	0,00	5,47	13,05	142%	36,05	FIORAVA	07/02/2009	MONTEFUS	Unknown	
C	0,06	0,00	0,00	0,00	0,00	3,60	12,98	94%	23,72	FIORAVA	07/02/2009	MONTEFUS	Unknown	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	12,90	6,88	5,58	71,17	FIORAVANTI	07/02/2009	MONTEFUS	Unknown	

ASYMMETRIC SPINNAKERS

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