BOAT

Name **KATARINA JEE**
Sail Nr **EST 464**

GPH

657,0

HULL

Length Overall	9,980 m
Maximum Beam	3,372 m
Displacement	4 842 kg
Draft	2,016 m
IMS Reg. Division	Cruiser/Racer
Dynamic Allowance	0,251%
Fwd Accommodation	No
Hull Construction	Cored
Carbon Rudder	No
Crew Arm Extension	

IMS L	9,151	VCGD	-0,099	Sink	16,63 kg/mm
RL	7,965	VCGM	-0,099	WS	22,46 m²

GENERAL

Class	First 34.7
Designer	Farr
Builder	Beneteau
Series	10.2005
Age	03.2007
Age Allowance	0,325%
Offset File	F235.OFF - 27.07.2006 16:07:34
Measurement by	P.Ramst - 27.06.2015

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SCORING OPTIONS

	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	636,4			707,0		
Time On Time	0,9427			0,9548		
	PLT		PLD	PLT		PLD
Performance Line	0,790		96,1	0,730		148,3
	Low	Medium	High	Low	Medium	High
Triple Number	0,8828	1,1656	1,3255	0,6790	0,9446	1,1188

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1126,2	931,4	821,2	748,2	716,1	700,5	691,9
52°	733,3	613,9	548,4	518,2	504,4	498,6	494,6
60°	689,6	579,7	528,8	505,2	491,4	483,7	478,5
75°	655,6	556,1	515,7	495,4	478,9	464,6	449,2
90°	663,7	554,6	509,3	487,2	478,4	463,0	434,8
110°	673,7	555,6	509,0	483,8	460,0	437,3	417,4
120°	698,2	573,6	517,1	490,9	469,0	446,0	404,9
135°	781,9	637,4	550,3	510,6	487,3	465,5	422,1
150°	930,0	732,6	618,7	545,5	509,6	487,1	444,5
Run VMG	1073,9	845,1	710,4	614,8	549,3	512,7	469,2
Selected Courses							
Windward / Leeward	1100,0	888,3	765,8	681,5	632,7	606,6	580,5
Circular Random	915,1	734,8	636,9	579,2	543,4	520,1	491,2
Ocean for PCS	974,4	767,0	650,9	579,9	533,7	501,3	455,6
Non Spinnaker	970,0	773,7	665,8	601,5	561,4	535,4	504,3

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	43,4°	41,9°	41,9°	40,4°	39,3°	38,6°	38,4°
Beat VMG	3,20	3,87	4,38	4,81	5,03	5,14	5,20
52°	4,91	5,86	6,56	6,95	7,14	7,22	7,28
60°	5,22	6,21	6,81	7,13	7,33	7,44	7,52
75°	5,49	6,47	6,98	7,27	7,52	7,75	8,01
90°	5,42	6,49	7,07	7,39	7,53	7,78	8,28
110°	5,34	6,48	7,07	7,44	7,83	8,23	8,63
120°	5,16	6,28	6,96	7,33	7,68	8,07	8,89
135°	4,60	5,65	6,54	7,05	7,39	7,73	8,53
150°	3,87	4,91	5,82	6,60	7,07	7,39	8,10
Run VMG	3,35	4,26	5,07	5,86	6,55	7,02	7,67
Gybe Angles	145,8°	152,3°	158,6°	169,5°	175,5°	178,8°	178,9°

Certificate

Number	EST464
ORC Ref	EST00000754
Issued On	29.06.2015
VPP Ver.	2015 1.01
Valid until	31.12.2015

Crew Weight

Declared	670 kg
Default*	595 kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin GPH	687,6	0,8726
Non Spin OSN	662,8	0,9053
N/S Perf. Line	69,5	0,718

Sails Limitations

Headsails	Spinnakers
6	3

Class Division Length

CDL = **8,559**

Storm Sails Areas

Heavy Weather Jib	23,28
Storm Jib (JL=8,54)	8,62
Storm Trysail	9,70

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BOAT

Name	**KATARINAJEE**	Sail Nr	**EST 464**
File	**Est0464.dxt**	Data in	**meters/kilograms**

RIG

Forestay Tension	**Aft**	Spreaders	**2**
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	**12,600**	E	**4,400**	MDT1	**0,115**	MW	**0,170**
IG	**13,060**	J	**3,640**	MDL1	**0,170**	GO	**0,190**
ISP	**13,090**	SFJ	**0,000**	MDT2	**0,115**	BD	**0,130**
BAS	**1,560**	SPL	**3,640**	MDL2	**0,138**	MWT	**128,00**
FSP	**0,066**	TPS		TL	**0,570**	MCG	**4,640**

MIZZEN RIG AND SAILS

N/A

COMMENTS

INCLINING TEST AND FREEBOARDS

Inclining Test	**Current Inclining**				
Flotation date	**29.05.2007**			SG	**1,0050**
FFM	**1,250**	FF	**1,266**	SFFP	**0,172**
FAM	**1,035**	FA	**1,044**	SAFP	**9,530**
W1	**60,200**	PD1	**202,0**	WD	**10,250**
W2	**60,200**	PD2	**203,0**	GSA	**12,6**
W3	**60,200**	PD3	**203,0**	RSA	**4298,7**
W4	**60,200**	PD4	**203,0**	PLM	**2005,0**

LCF from stem on CL / on sheer	**5,364 / 5,603**
Maximum beam station from stem	**6,642**
RM Measured / Default	**106,5 / 100,2**
Limit of positive stability / Stab.Index	**127,7° / 128,0**
Freeboard at mast at 3,640	**1,144**

PROPELLER

Installation	**Strut**	PRD	**0,410**
Type	**Folding 2 blades**	PBW	
Twin Screw	**No**	PIPA	**0,0030**

ST1	**0,035**	ST3	**0,182**	ST5	**0,280**
ST2	**0,182**	ST4	**0,100**	EDL	**1,800**

MOVEABLE BALLAST

N/A

CENTERBOARD

N/A

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Measurements Datasheet

Certificate

Number	**EST464**
ORC Ref	**EST00000754**
Issued On	**29.06.2015**
VPP Ver.	**2015 1.01**
Valid until	**31.12.2015**

SAILS (Maximum Areas)

Mainsail	HB	MGT	MGU	MGM	MGL	Area	Area (r)	Formula
	0,160	0,94	1,71	2,91	3,69	33,37	34,09	P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)
Symmetric	**SL**	**SMG**	**SF**					
	13,03	6,59	6,40			71,14		SL · (SF + 4·SMG) / 6

Asymmetric
Not Available

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
0,10	0,59	1,11	2,07	2,95	3,76	12,96	25,92	Y		27.06.2015	Unknow	
0,10	0,60	1,11	2,06	2,94	3,73	12,85	25,59	Y		27.06.2015	Unknow	
0,10	0,57	1,07	2,01	2,90	3,75	12,78	25,11	Y		21.06.2014	Unknow	

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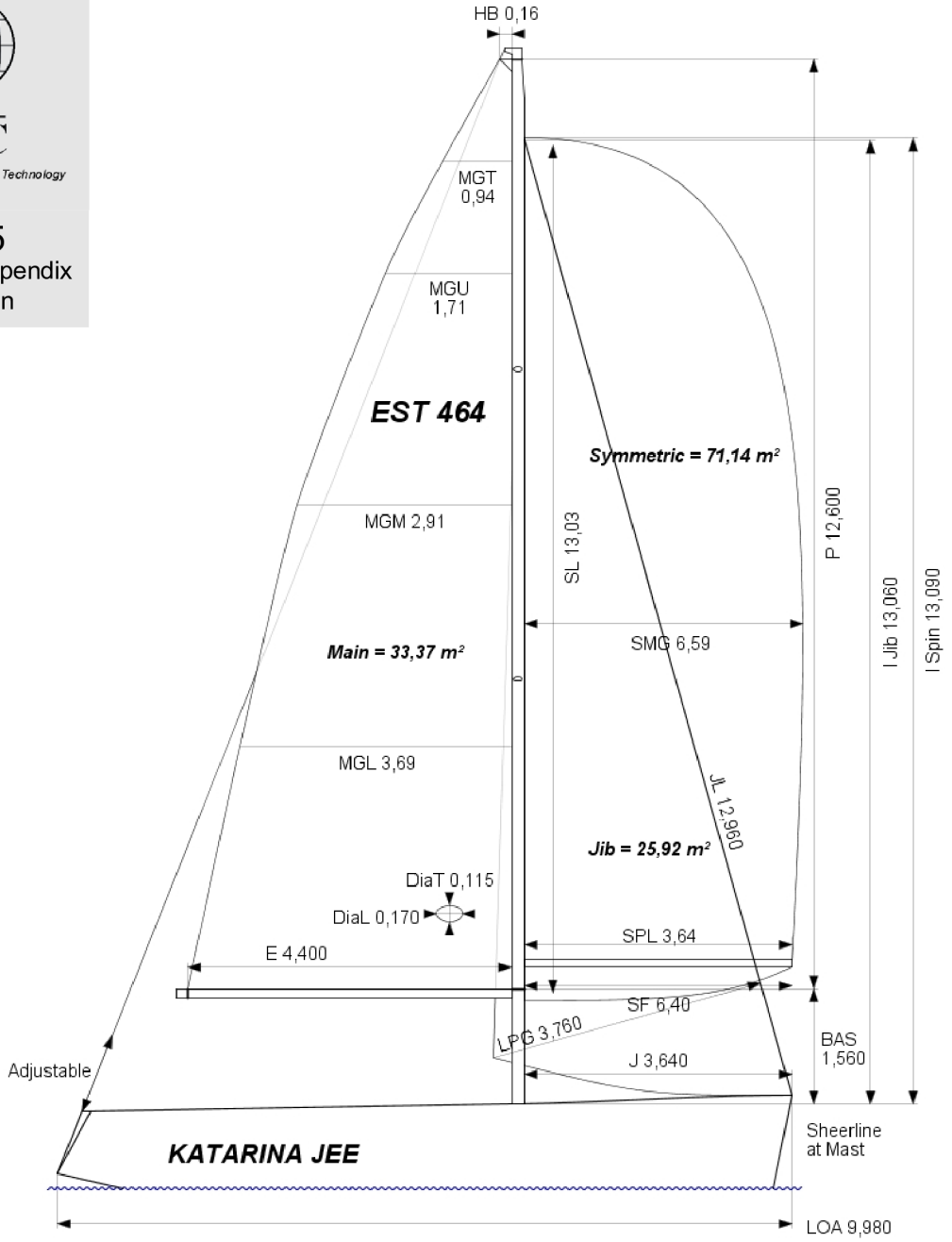
Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
4	0,160	0,94	1,71	2,91	3,69	33,37	EST 5	27.06.2015	HS	Unknown	

HEADSAILS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
6	0,10	0,59	1,11	2,07	2,95	3,76	12,96	103%	25,92	Y		EST 5	27.06.2015	NS	Unknow	
7	0,10	0,60	1,11	2,06	2,94	3,73	12,85	102%	25,59	Y		EST 5	27.06.2015	NS	Unknow	
8	0,10	0,57	1,07	2,01	2,90	3,75	12,78	103%	25,11	Y		EST 5	21.06.2014		Unknow	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
4	13,03	6,59	6,40	71,14	EST 5	27.06.2015		Unknown	
5	13,08	6,55	6,39	71,05	EST 5	27.06.2015		Unknown	
6	13,03	6,53	6,55	70,95	EST 5	27.06.2015		Unknown	

ASYMMETRIC SPINNAKERS

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

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