

BOAT
Name KATARINA JEE
Sail Nr EST 464

GPH
646,0

HULL
Length Overall 9,980 m
Maximum Beam 3,376 m
Displacement 4 941 kg
Draft 2,023 m
IMS Reg. Division Cruiser/Racer
Dynamic Allowance 0,608%
Fwd Accommodation Yes
Hull Construction Cored
Carbon Rudder No
Trim Tab No
IMS L 9,294 VCGD -0,099 VCGM -0,105
Sink 16,73 kg/mm Wetted Area 22,67 m²



2009
ORC International
Certificate

GENERAL
Class First 34.7
Designer Farr
Builder Beneteau
Series 10.2005
Age 03.2007
Age Allowance 0,260%
Offset File F235.OFF - 27.07.2006 16:07:34
Measurement by A.Tetsmann - 27.05.2007

SCORING OPTIONS		
	OFFSHORE	INSHORE
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time On Distance	646,0	719,5
Time On Time	0,9287	0,9381
Performance Line	PLT 0,813 PLD 102,7	PLT 0,952 PLD 283,2
Triple Number	Low 0,9039 Medium 1,1830 High 1,3354	Low 0,6859 Medium 0,9551 High 1,1121

Rating Office
Estonian Yachting Union
Veiko Rosme
Regati 1, 11911, Tallinn
Estonia

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1120,4	912,3	795,7	746,8	720,5	704,3	690,4
52°	724,3	595,4	546,8	517,2	503,7	496,2	489,2
60°	675,7	570,3	528,4	500,2	485,8	479,3	472,2
75°	632,9	545,9	500,5	481,7	470,9	456,1	444,4
90°	599,1	528,1	490,2	467,2	453,5	445,9	427,8
110°	618,5	541,5	501,2	475,6	451,8	429,4	403,6
120°	668,1	559,9	514,1	485,0	462,5	439,2	394,5
135°	771,8	612,6	546,5	507,5	482,0	461,0	419,5
150°	923,5	725,1	602,2	545,4	508,6	483,7	443,3
Run VMG	1066,4	837,3	694,4	608,7	555,8	518,9	472,7

Certificate
Number EST464
ORC Ref EST00000131
Issued On 9.05.2009
VPP Ver. 1.11
Valid until 31.12.2009

Crew Weight
Declared 621 kg
Default* 617 kg

Special Scoring
ToD ToT
Double 648,2 0,9256
Non Spinnaker 690,1 0,8694

Selected Courses							
Windward / Leeward	1112,9	886,3	758,4	687,2	645,7	618,4	587,6
Circular Random	894,8	720,3	626,4	571,7	537,9	515,6	486,9
Ocean for PCS	956,6	753,5	640,4	571,6	526,8	495,2	450,5
Non Spinnaker	977,1	777,2	667,8	603,0	562,8	536,6	504,4

Sails Limitations
Genoa 0 Jibs 4 Spinnakers 3
Spinnaker configuration Symmetric

Storm Sails Areas
Heavy Weather Jib 23,83
Storm Jib (JL=8,64) 8,83
Storm Trysail 10,08

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	43,9°	44,6°	40,5°	38,7°	37,5°	37,0°	36,7°
Beat VMG	3,21	3,95	4,52	4,82	5,00	5,11	5,21
52°	4,97	6,05	6,58	6,96	7,15	7,26	7,36
60°	5,33	6,31	6,81	7,20	7,41	7,51	7,62
75°	5,69	6,60	7,19	7,47	7,64	7,89	8,10
90°	6,01	6,82	7,34	7,71	7,94	8,07	8,41
110°	5,82	6,65	7,18	7,57	7,97	8,38	8,92
120°	5,39	6,43	7,00	7,42	7,78	8,20	9,12
135°	4,66	5,88	6,59	7,09	7,47	7,81	8,58
150°	3,90	4,96	5,98	6,60	7,08	7,44	8,12
Run VMG	3,38	4,30	5,18	5,91	6,48	6,94	7,62
Gybe Angles	142,8°	148,4°	151,9°	165,4°	172,0°	174,0°	176,1°

Owner
MTÜ ÜKSIK PURI
Pikk 54
Kuussaare, Estonia
SMS
I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

BOAT		
Name	KATARINA JEE	Sail Nr EST 464
File	Est0464.dxt	Data in meters/kilograms

RIG			
Forestay Tension	Aft	Spreaders	2
Inner Forestay	None Fitted	Runners	0
Carbon Mast	No	Jumpers	None
Taper Hollows	No	w/o Backstay	No
P	12,800	E	4,500
IG	13,060	J	3,640
ISP	13,090	SFJ	0,000
SPS		SPL	3,640
BAS	1,660	TPS	
BAL	0,150	FSP	0,066
MDT1	0,115	TL	0,700
MDL1	0,170	MWT	128,00
MDT2		MCG	4,640
MDL2		CPW	2,020
MW	0,128	BD	0,130
GO	0,190	BWT	

HEAVY ITEMS			
Bow Thruster	No	Generator	No
Windlass	No	Jib Furler	No
Heavy Deck	No	Main Furler	No
Headliners	No	Water Heater	No
Anchor Weight		Heavy Items Adjustment	0,0000
Anchor LCG		Total Gyradius Adjustment	0,0355

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	1,258
FAM	1,035	FA	1,040
SFFP	0,172	SAFP	9,530
W1	60,200	PD1	202,0
W2	60,200	PD2	203,0
W3	60,200	PD3	203,0
W4	60,200	PD4	203,0
WD	10,250	GSA	12,6
		RSA	4298,7
		PLM	2005,
Maximum beam station from stem			6,601
RM Measured / Default			106,5 / 100,1
Limit of positive stability			128,0°
Stability Index			128,6
Freeboard at mast at 3,640			1,137

PROPELLER			
Installation	Strut Drive	PRD	0,410
Type	Folding	PBW	
Twin Screw	No	PIPA	0,0030
ST1	0,035	ST3	0,182
ST2	0,182	ST4	0,100
		ST5	0,280
		EDL	1,800

WATER BALLAST	
N/A	

CENTERBOARD
N/A



2009
IMS Measurement
Certificate

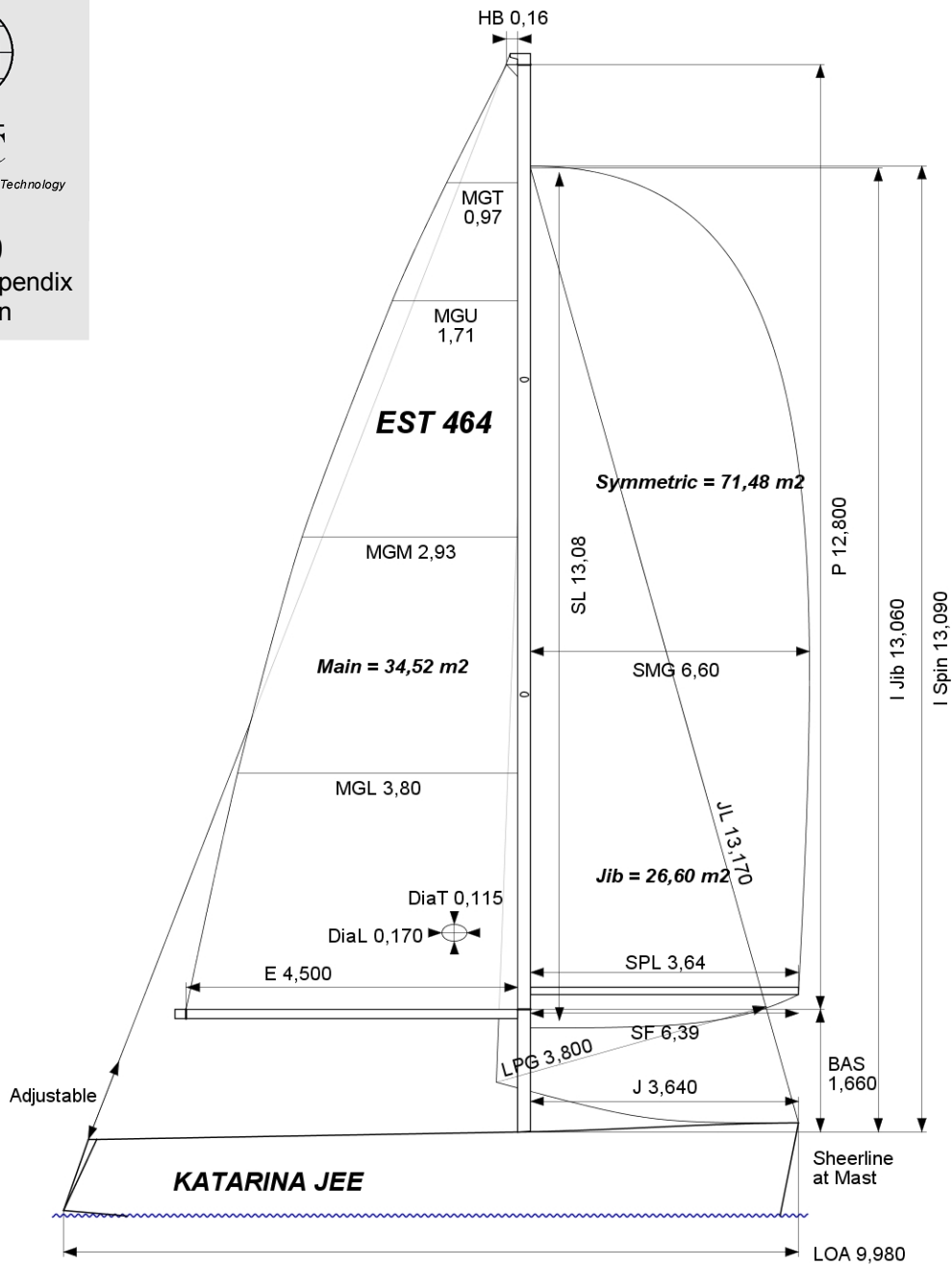
Certificate	
Number	EST464
ORC Ref	EST00000131
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VPP Ver.	1.11
Valid until	31.12.2009

SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Formula	
	0,160	0,97	1,71	2,93	3,80	14,70	34,52	P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0,10	0,61	1,11	2,08	2,99	13,17	3,80	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF						
	13,08	6,60	6,39				71,48	SL · (SF + 4·SMG) / 6	



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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
2	0,160	0,97	1,71	2,93	3,80	14,70	34,52				Unknown	

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
2	0,10	0,61	1,11	2,08	2,99	3,80	13,17	104%	26,60				Unknown	
3	0,10	0,60	1,11	2,06	2,96	3,80	13,17	104%	26,44				Unknown	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
1	13,08	6,60	6,39	71,48				Unknown	0.9oz
2	13,08	6,60	6,39	71,48				Unknown	0.75oz

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Dat	Manufacturer	Material	Comment
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