

BOAT
Name MERIHUNT Sail Nr EST 270

GPH
695,5

HULL	
Length Overall	7,927 m
Maximum Beam	2,835 m
Displacement	1 605 kg
Draft	1,368 m
IMS Reg. Division	Racing
Dynamic Allowance	0,555%
Fwd Accommodation	No
Hull Construction	Cored
Carbon Rudder	No
Trim Tab	No
IMS L	6,827 VCGD 0,038 VCGM 0,126
Sink	9,32 kg/mm Wetted Area 12,37 m²



2009
ORC International
Certificate

GENERAL
Class X-79
Designer NIELS JEPPESEN
Builder X-YACHTS
Series 01.1979
Age 01.1981
Age Allowance 1,300%
Offset File G1068.BOF - 11.07.1988 21:25:24
Measurement by TETSMANN - 02.07.2009

SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	695,5			781,2		
Time On Time	0,8627			0,8641		
Performance Line	PLT 0,758	PLD 102,2		PLT 0,957	PLD 347,6	
Triple Number	Low 0,8521	Medium 1,0907	High 1,2349	Low 0,6510	Medium 0,8712	High 1,0043

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	1190,9	990,0	892,6	843,8	815,2	798,6	788,6
52°	765,3	652,4	594,0	572,1	559,6	551,6	545,2
60°	719,4	619,7	571,2	546,7	533,9	525,0	517,2
75°	685,3	583,6	545,5	520,8	497,7	488,9	479,2
90°	645,7	564,8	519,7	501,3	490,1	474,1	449,2
110°	664,0	579,4	534,3	492,0	461,4	446,9	423,0
120°	699,7	598,6	550,1	509,1	473,3	437,4	397,0
135°	794,1	655,2	582,9	542,0	504,9	474,8	404,5
150°	952,1	751,0	643,8	581,5	543,3	508,4	451,8
Run VMG	1099,3	867,2	738,5	651,1	596,1	558,9	497,7

Certificate
Number EST270 ORC Ref EST00000436 Issued On 2.07.2009 VPP Ver. 1.11 Valid until 31.12.2009

Crew Weight
Declared 330 kg Default* 364 kg

Special Scoring
ToD ToT Double 700,7 0,8563 Non Spinnaker 746,7 0,8035

Selected Courses							
Windward / Leeward	1168,0	945,2	827,2	757,4	714,1	686,0	648,8
Circular Random	953,0	772,4	675,6	618,6	582,5	557,8	524,4
Ocean for PCS	1018,1	807,6	690,1	617,3	567,7	530,6	474,2
Non Spinnaker	1044,9	837,1	723,7	656,3	613,6	585,0	548,1

Sails Limitations		
Genoa 3	Jibs 2	Spinnakers 3
Spinnaker configuration Symmetric		

Storm Sails Areas	
Heavy Weather Jib	11,43
Storm Jib (JL=5,98)	4,23
Storm Trysail	6,16

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	45,1°	42,4°	42,5°	41,1°	40,0°	39,3°	39,2°
Beat VMG	3,02	3,64	4,03	4,27	4,42	4,51	4,56
52°	4,70	5,52	6,06	6,29	6,43	6,53	6,60
60°	5,00	5,81	6,30	6,59	6,74	6,86	6,96
75°	5,25	6,17	6,60	6,91	7,23	7,36	7,51
90°	5,58	6,37	6,93	7,18	7,35	7,59	8,01
110°	5,42	6,21	6,74	7,32	7,80	8,06	8,51
120°	5,15	6,01	6,54	7,07	7,61	8,23	9,07
135°	4,53	5,49	6,18	6,64	7,13	7,58	8,90
150°	3,78	4,79	5,59	6,19	6,63	7,08	7,97
Run VMG	3,27	4,15	4,87	5,53	6,04	6,44	7,23
Gybe Angles	142,0°	149,9°	158,5°	162,6°	168,1°	169,6°	169,4°

Owner
Linda ja Andrus Leinstrep Sibula 22, Maardu ESTONIA ESS Kalev JK
I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

BOAT	
Name MERIHUNT	Sail Nr EST 270
File EST0270.dxt	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 19.06.2000		SG 1,0050
FFM 0,818	FF 0,821	SFFP 0,509
FAM 0,818	FA 0,821	SAFP 7,625
W1 32,500	PD1 26,2	WD 1,000
W2 32,500	PD2 26,2	GSA 1,0
W3 32,500	PD3 26,2	RSA 9999,0
W4 32,500	PD4 26,2	PLM 1500,
Maximum beam station from stem		4,968
RM Measured / Default		32,6 / 35,1
Limit of positive stability		105,5°
Stability Index		97,9
Freeboard at mast at 2,780		0,809



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IMS Measurement
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RIG			
Forestay Tension Aft	Spreaders 1		
Inner Forestay None Fitted	Runners 2		
Carbon Mast No	Jumpers None		
Taper Hollows No	w/o Backstay No		
P 10,000	E 3,520	MDT1 0,080	TL 1,480
IG 9,201	J 2,780	MDL1 0,115	MWT
ISP 9,421	SFJ 0,000	MDT2 0,060	MCG
SPS 2,053	SPL 2,750	MDL2 0,070	CPW 0,000
BAS 1,181	TPS	MW 0,115	BD 0,100
BAL 0,150	FSP 0,000	GO 0,115	BWT

HEAVY ITEMS	
N/A	
Total Gyradius Adjustment 0,0300	

PROPELLER	
Type No Propeller	

Certificate	
Number	EST270
ORC Ref	EST00000436
Issued On	2.07.2009
VPP Ver.	1.11
Valid until	31.12.2009

MIZZEN RIG AND SAILS	
N/A	

WATER BALLAST	
N/A	

COMMENTS	
FLOTATION FROM DSV OD CERTIFICATE	

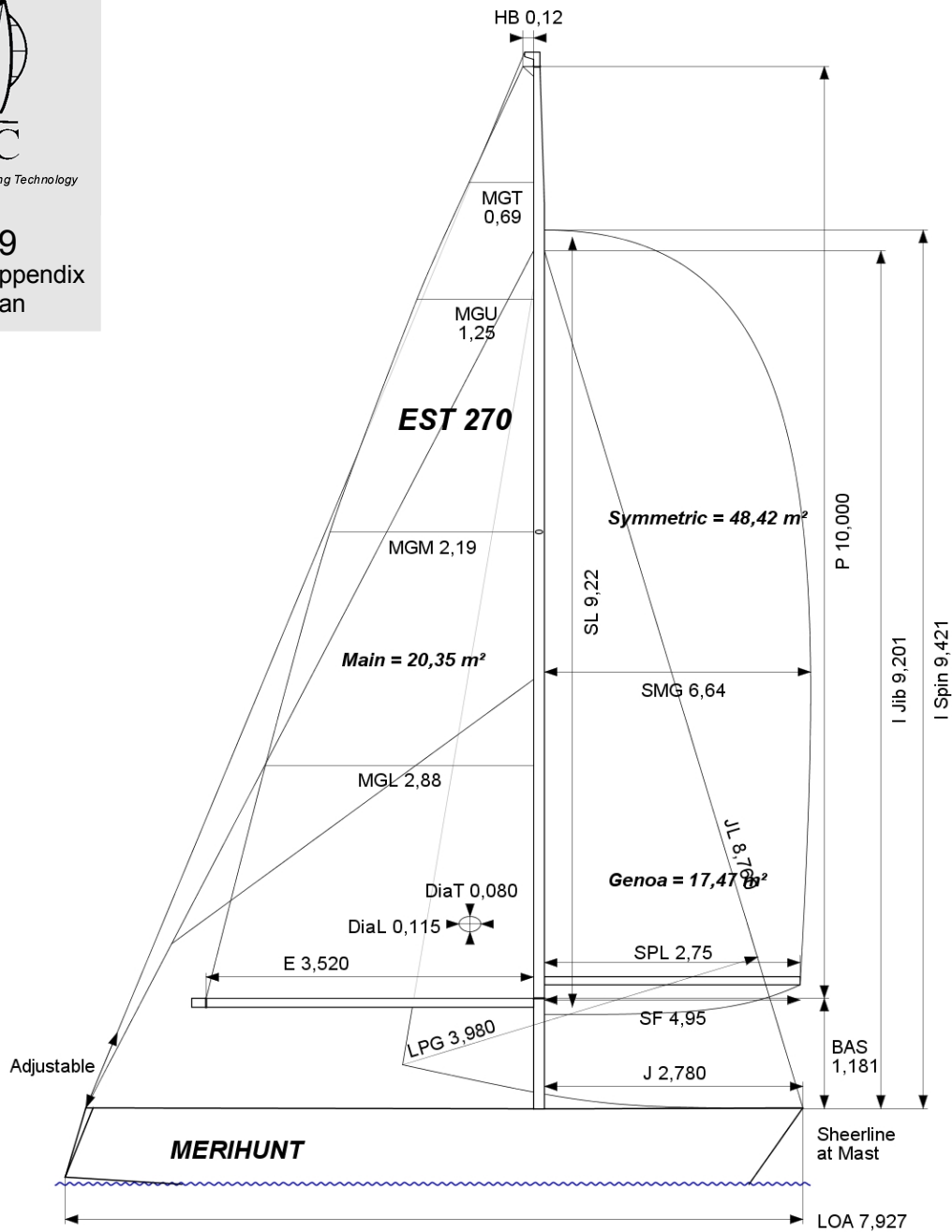
CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Formula	
	0,115	0,69	1,25	2,19	2,88	12,50	20,35	P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG	Formula	
	0,06	0,54	1,02	1,98	2,96	8,76	3,98	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF				Area	Formula	
	9,22	6,64	4,95				48,42	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
1	0,115	0,69	1,25	2,19	2,88	12,50	20,35	AT			Unknown	

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
1	0,10	0,44	0,84	1,75	2,72	3,76	8,76	135%	15,89	AT			Unknown	
2	0,06	0,54	1,02	1,98	2,96	3,98	8,76	143%	17,47	AT			Unknown	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
1	9,22	6,64	4,95	48,42	AT			Unknown	
2	9,25	6,45	4,80	47,18	AT			Unknown	

ASYMMETRIC SPINNAKERS

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