

BOAT Name 11 meter OD Sail Nr 11m-	GPH 600.0	HULL Length Overall 10.300m Maximum Beam 2.526m Displacement 1.669kg Draft 1.708m IMS Reg. Division Performance Dynamic Allowance 0.112% Fwd Accommodation No Hull Construction Cored Carbon Rudder Crew Arm Extension
GENERAL Class 11 Metre Designer Holland Builder Technology Yachts Series 01/1991 Age 01/1992 Age Allowance 0.487% Offset File 11od.od - 11/04/2019 22:23:38 Measurement by NOR-Rating -		IMSL 8.640m VCGD -0.055m Sink 10.67kg/mm RL 8.028m VCGM 0.017m WS 13.86m² LSMO 7.971m Displacement/Length ratio 3.2955



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Rating Office

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	584.7			657.8		
Time on Time	1.0262			1.0262		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	672.7	536.8	475.4	865.5	664.3	578.5
Time on Time	1.0034	1.2574	1.4200	0.7799	1.0161	1.1668

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1016.6	829.0	765.4	745.3	732.1	716.2	725.6
52°	663.3	554.0	525.4	516.1	511.8	501.3	499.8
60°	623.8	533.2	507.2	496.9	491.3	482.7	475.1
75°	592.1	519.5	487.2	466.8	456.5	450.7	435.2
90°	596.6	519.6	483.9	451.1	429.5	417.3	405.5
110°	579.6	502.7	475.0	451.8	429.8	408.0	359.1
120°	592.5	503.8	460.2	434.3	415.4	392.7	349.8
135°	657.6	531.1	479.2	433.0	390.7	360.0	316.1
150°	781.1	618.7	530.6	480.7	438.6	398.3	311.3
Run VMG	901.9	714.4	612.0	550.0	504.1	459.9	359.5

Certificate Number 20655 ORC Ref N/A Issued On 11/04/2019 VPP Ver. 2019 1.01 Invalid for Racing
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Crew Weight Default 498kg Maximum 350kg Minimum* 263kg <i>*when applied by the NoR and SI</i> Non Manual Pwr No

Special Scoring
ToD ToT
Double H.GPH 615.2 0.9752
Double H.OSN 603.1 0.9949
Non Spin GPH 645.2 0.9299
Non Spin OSN 628.7 0.9543

Selected Courses							
Windward / Leeward	959.3	771.7	688.7	647.6	618.1	588.1	542.5
Circular Random	816.0	663.3	583.1	536.6	506.6	484.5	451.1
Coastal / Long Distance	953.5	726.1	622.3	563.0	524.2	486.7	426.9
Non Spinnaker	900.7	721.8	625.4	568.6	532.5	507.8	475.2

Sails Limitations
Headsails 5 Spinnakers 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	42.8°	41.7°	40.0°	39.9°	39.4°	39.0°	40.8°
Beat VMG	3.54	4.34	4.70	4.83	4.92	5.03	4.96
52°	5.43	6.50	6.85	6.98	7.03	7.18	7.20
60°	5.77	6.75	7.10	7.24	7.33	7.46	7.58
75°	6.08	6.93	7.39	7.71	7.89	7.99	8.27
90°	6.03	6.93	7.44	7.98	8.38	8.63	8.88
110°	6.21	7.16	7.58	7.97	8.38	8.82	10.03
120°	6.08	7.15	7.82	8.29	8.67	9.17	10.29
135°	5.47	6.78	7.51	8.31	9.21	10.00	11.39
150°	4.61	5.82	6.79	7.49	8.21	9.04	11.56
Run VMG	3.99	5.04	5.88	6.55	7.14	7.83	10.01
Gybe Angles	143.3°	142.0°	152.3°	157.4°	155.4°	149.7°	146.3°

Class Division Length CDL = 8.335
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Storm Sails Areas
Heavy Weather Jib 13.46
Storm Jib (JL=6.49) 4.99
Storm Trysail 7.99

Owner
I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

BOAT	
Name 11 meter OD	Sail Nr 11m-
File 11 meter od	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Enter VCG directly			
Flotation date 01/01/1992		SG 1.0120	
VCGDe -0.055			
FFM 0.800	FF 0.810	SFFP 0.485	
FAM 0.703	FA 0.711	SAFP 9.045	
LCF from stem on CL / on sheer		5.473 / 5.581	
Maximum beam station from stem		6.160	
RM Measured		33.0kg·m	
RM Default		40.5kg·m	
Limit of positive stability / Stab.Index		104.7° / 100.3	
Freeboard at mast at 3.746		0.730	

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 2		
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 11.000	E 4.150	MDT1 0.088	MW 0.124
IG 9.886	J 3.110	MDL1 0.124	GO 0.154
ISP 12.160	SFJ 0.636	MDT2 0.085	BD 0.115
BAS 1.026	SPL 4.000	MDL2 0.091	MWT 0.00
FSP 0.000	TPS 0.000	TL 2.000	MCG 0.000



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2019
IMS Measurement
Certificate

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

Certificate	
Number 20655	
ORC Ref N/A	
Issued On 11/04/2019	
VPP Ver. 2019 1.01	
Invalid for Racing	

COMMENTS	
rules: http://www.11mod.info/index2.php German OD cert: le petit prince (1999)	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.160	0.87	1.60	2.93	3.72	28.60	29.43	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	12.50	12.50	12.50	7.16	7.00	74.25		SL · (SFL + 4·SHW) / 6	
Asymmetric									
Not Available									

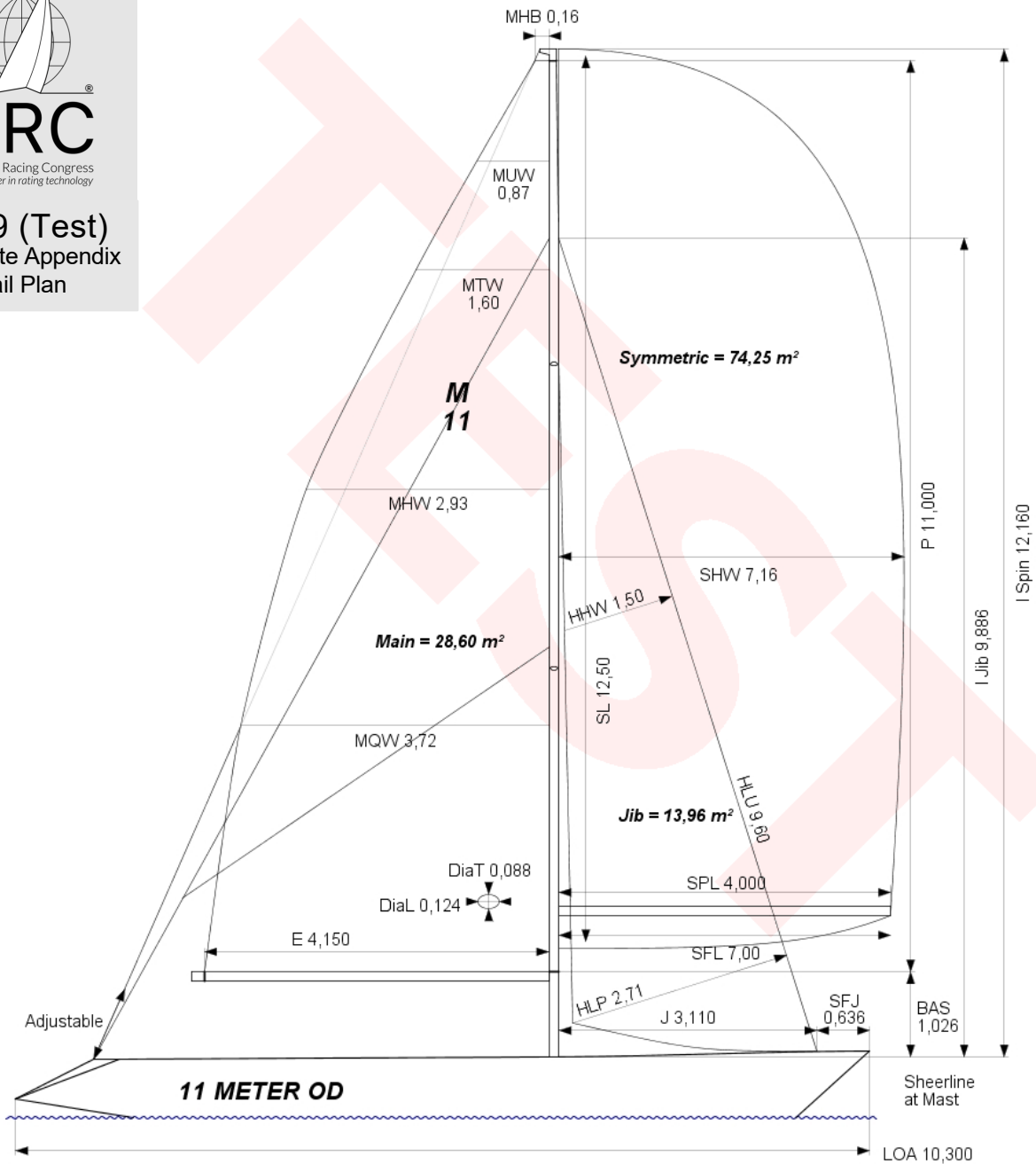
HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.06	0.45	0.82	1.50	2.15	2.71	9.60	13.96	Y				NORLYS Std jib



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**2019 (Test)
Certificate Appendix
Sail Plan**



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
stdmain	0.16	0.87	1.60	2.93	3.72	28.60					NORLYS Std main

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
stdjib	0.06	0.45	0.82	1.50	2.15	2.71	9.60	87%	13.96	Y						NORLYS Std jib

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
stdspin	12.50	12.50	12.50	7.16	7.00	74.25				Nylon	min 35g/sqm

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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