

BOAT Name JENIFFER Sail Nr GER 3855	GPH 612,4	HULL Length Overall 13,521 m Maximum Beam 4,054 m Displacement 13.277 kg Draft 2,470 m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0,344% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension 0,00
GENERAL Class SWAN 441H MOD. Designer RON HOLLAND Builder NAUTOR Series 01/1978, CIN 441/37 Age 01/1981 Age Allowance 0,487% Offset File G3855_1.OFF - 28/5/2001 23:30:26 Measurement by HEINRITZ - 01/04/2014		IMS L 11,256 VCGD 0,046 Sink 27,02 kg/mm RL 8,847 VCGM -0,006 WS 40,09 m²



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SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	596,5			666,0		
Time On Time	1,0058			1,0136		
Performance Line	PLT	PLD		PLT	PLD	
	0,867	108,3		0,799	161,1	
Triple Number	Low	Medium	High	Low	Medium	High
	0,9549	1,2464	1,4087	0,7330	0,9996	1,1883

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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1019,2	857,7	766,5	709,9	678,0	659,6	647,9
52°	662,1	563,5	503,1	479,7	469,2	463,5	458,3
60°	624,4	530,7	484,2	465,7	455,8	450,5	445,8
75°	594,5	506,2	471,7	454,9	443,1	434,0	425,6
90°	599,3	509,3	473,2	455,6	443,0	432,2	413,5
110°	639,6	525,7	473,3	450,3	434,8	426,3	414,3
120°	657,5	542,0	480,3	455,1	437,4	421,4	403,7
135°	729,7	596,5	512,9	472,7	451,6	435,1	403,3
150°	873,2	691,3	584,8	511,8	474,0	453,1	421,3
Run VMG	1008,3	798,3	674,8	586,8	521,5	481,1	441,3

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Number **47547**
ORC Ref **GER20011277**
Issued On **3/3/2015**
VPP Ver. **2015 1.01**
Valid until **1/1/2016**

Selected Courses							
Windward / Leeward	1013,8	828,0	720,7	648,4	599,7	570,4	544,6
Circular Random	846,7	682,8	594,1	542,0	509,8	489,1	464,4
Ocean for PCS	902,3	713,2	607,3	542,5	500,2	470,9	430,9
Non Spinnaker	890,5	714,1	617,6	559,9	523,7	499,9	471,6

Crew Weight

Declared **830 kg**
Default* **828 kg**
Non Manual Pwr **No**

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	44,1°	42,6°	43,1°	42,9°	40,9°	39,6°	39,2°
Beat VMG	3,53	4,20	4,70	5,07	5,31	5,46	5,56
52°	5,44	6,39	7,16	7,51	7,67	7,77	7,86
60°	5,77	6,78	7,43	7,73	7,90	7,99	8,08
75°	6,06	7,11	7,63	7,91	8,12	8,29	8,46
90°	6,01	7,07	7,61	7,90	8,13	8,33	8,71
110°	5,63	6,85	7,61	8,00	8,28	8,44	8,69
120°	5,48	6,64	7,50	7,91	8,23	8,54	8,92
135°	4,93	6,04	7,02	7,62	7,97	8,27	8,93
150°	4,12	5,21	6,16	7,03	7,60	7,95	8,55
Run VMG	3,57	4,51	5,33	6,14	6,90	7,48	8,16
Gybe Angles	144,4°	150,1°	154,0°	158,5°	171,0°	177,3°	179,1°

Special Scoring

	ToD	ToT
Double H.GPH	614,5	0,9763
Double H.OSN	599,3	1,0011
Non Spin GPH	637,0	0,9419
Non Spin OSN	619,9	0,9679
N/S Perf. Line	79,6	0,790

Sails Limitations

Headsails	Spinnakers
6	3

Class Division Length
CDL = **10,052**

Storm Sails Areas

Heavy Weather Jib **46,81**
Storm Jib (JL=12,10) **17,34**
Storm Triesail **12,54**

Owner

BOAT	
Name JENIFFER File (0)	Sail Nr GER 3855 Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 01/04/2014		SG 1,0070	
FFM 1,346	FF 1,354	SFFP 0,864	
FAM 1,122	FA 1,133	SAFP 11,934	
W1 98,000	PD1 214,0	WD 15,400	
W2 98,000	PD2 214,0	GSA 1,0	
W3 98,000	PD3 214,0	RSA 1,0	
W4 98,000	PD4 214,0	PLM 4000,0	
LCF from stem on CL / on sheer		7,354 / 7,585	
Maximum beam station from stem		7,865	
RM Measured / Default		246,8 / 255,1	
Limit of positive stability / Stab.Index		117,2° / 126,6	
Freeboard at mast at 5,911		1,183	

RIG			
Forestay Tension Aft	Spreaders 3		
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 16,225	E 4,415	MDT1 0,135	MW 0,216
IG 18,395	J 5,790	MDL1 0,260	GO 0,286
ISP 18,395	SFJ 0,121	MDT2 0,135	BD 0,208
BAS 1,810	SPL 5,800	MDL2 0,220	MWT 321,00
FSP 0,070	TPS 6,400	TL 1,760	MCG 5,890



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0,580		
Type Feathering 3 blades	PBW 0,146		
Twin Screw No	PIPA 0,0070		
PSA 20,000	PHL 0,160	ST3 0,125	ESL 1,095
PSD 0,030	ST1 0,038	ST4 0,061	
PHD 0,078	ST2 0,129	ST5 0,221	

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COMMENTS	
BULBKEEL	
MODIFIED KEEL 5/2001	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)						
Mainsail	HB	MGT	MGU	MGM	MGL	
	0,100	1,04	1,87	3,16	3,94	
						Area Area (r) Formula
						45,65 46,43 P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)
Symmetric	SL	SMG	SF			
	18,22	10,42	10,42			158,21 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
0,07	1,02	2,02	4,15	6,37	8,63	18,72	79,18			02/03/2015	Carbon	G I
0,00	0,70	1,40	2,70	4,35	5,35	18,00	49,99				Unknow	G II
0,00	0,70	0,90	2,80	4,20	5,10	17,50	46,21	Y			Unknow	G III
0,00	0,60	1,25	2,55	3,70	4,70	15,10	37,06	Y			Unknow	G IV

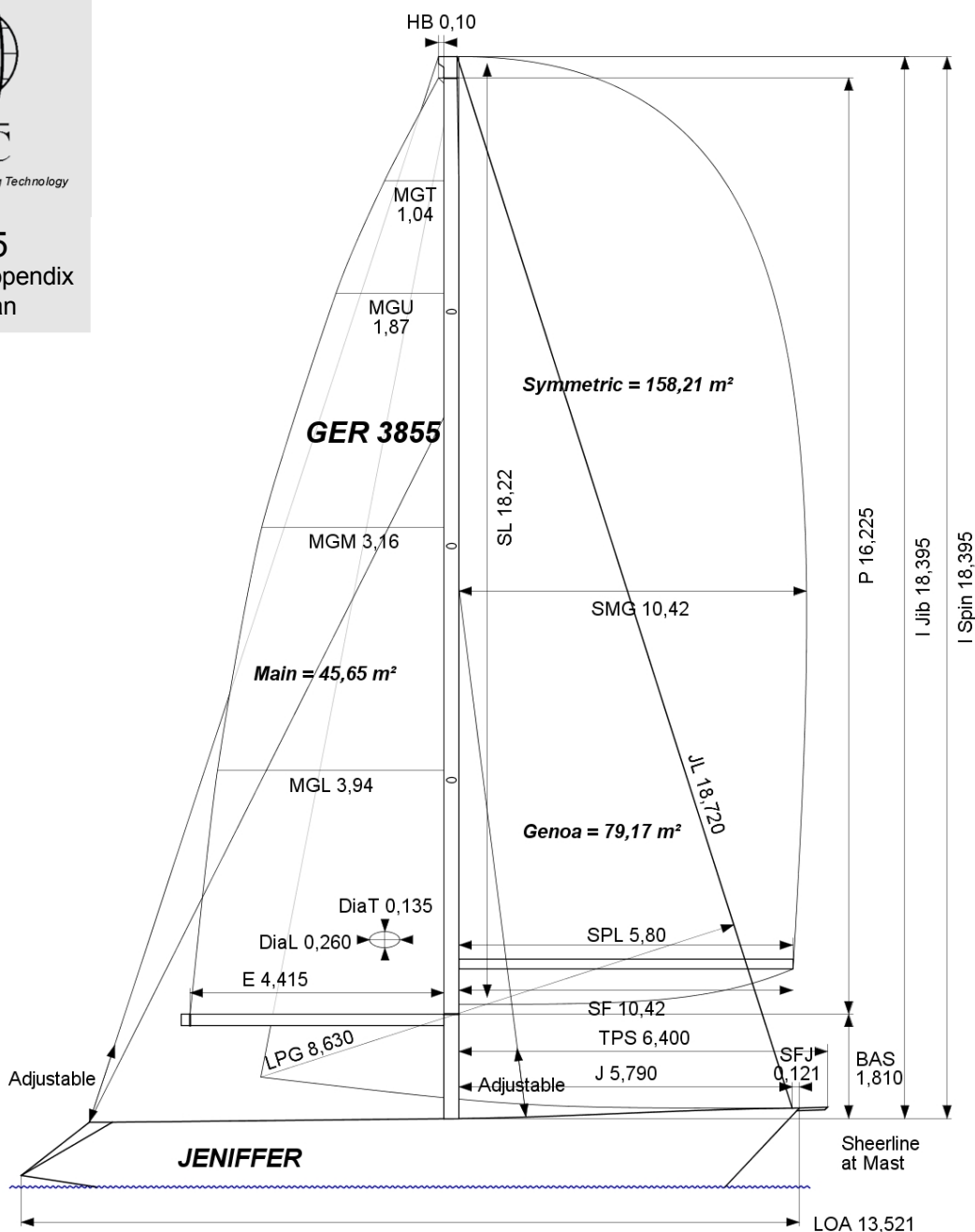
MEASUREMENT INVENTORY			
Measurer Heinritz			
Date 01/04/2014			
Comment			
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>
1	Engine	Perkins	4108
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>	

MEASUREMENT INVENTORY						
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG Condtm Description</i>
1	Tank Water		SS	185,0	6,65	0,0
2	Tank Water		SS	185,0	6,65	0,0
3	Tank Fuel		SS	188,0	10,50	0,0
4	Tank Boiler			25,0	10,90	25,0 full
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>		
1	Battery	120,0	7,90	4 x 130 AH		
2	Battery	25,0	8,50	1 x 60 Ah Starter		
3	Battery	12,0	2,80	1 x 40 Ah		
1	Misc		2,40	bowthruster		



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Sail Plan



SAILS INVENTORY

MAINSAIL																
Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
0	0,100	1,04	1,87	3,16	3,94	45,65	THOMSEN	02/03/2015	TOMMY T1	Carbon						
HEADSAILS																
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
0	0,07	1,02	2,02	4,15	6,37	8,63	18,72	149%	79,18			THOMSE	02/03/2015	TOMMY T1	Carbon	G1
0	0,00	0,70	1,40	2,70	4,35	5,35	18,00	92%	49,99					VELA 2000	Unknow	G II
73109	0,00	0,70	0,90	2,80	4,20	5,10	17,50	88%	46,21	Y				FABER+MU	Unknow	G III
0	0,00	0,60	1,25	2,55	3,70	4,70	15,10	81%	37,06	Y				FABER+MU	Unknow	G IV
SYMMETRIC SPINNAKERS																
Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment							
0	18,22	10,42	10,42	158,21	THOMSEN	02/03/2015	TOMMY T1	Nylon	S3							
100702	18,22	10,48	10,10	157,97			FABER+MU	Nylon	0.6 oz							
ASYMMETRIC SPINNAKERS																
Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				