



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office
Austrian Sailing Federation
Seestraße 17B
7100 Neusiedl am See
Austria



AUSTRIAN SAILING FEDERATION
ORC Rating Office

Zertifikat

Nummer **041/18**
Ausgestellt **24.07.2018**
ORC Ref **AUT00002327**
VPP **2018 1.00**
Gültig bis **31.12.2018**

Crewgewicht

Default 334kg
Maximum **200kg**
Minimum* **115kg**
**when applied by the NoR and SI*
Non Manual Pwr **Nein**

Special Scoring

ToD ToT
Non Spin GPH **791,7 0,7579**
Non Spin OSN **765,6 0,7837**

Segelbeschränkung

Headsails **5** Spinnaker **3**
Dacron Sails

Spinnaker Konfiguration
Symmetric: **Ja 31,16**
Asymmetric: **Nei**
Flying H/S: **Nei**
Spin. Pole: **Ja**

Class Division Length

CDL = **5,871**

Stability (Estimated)

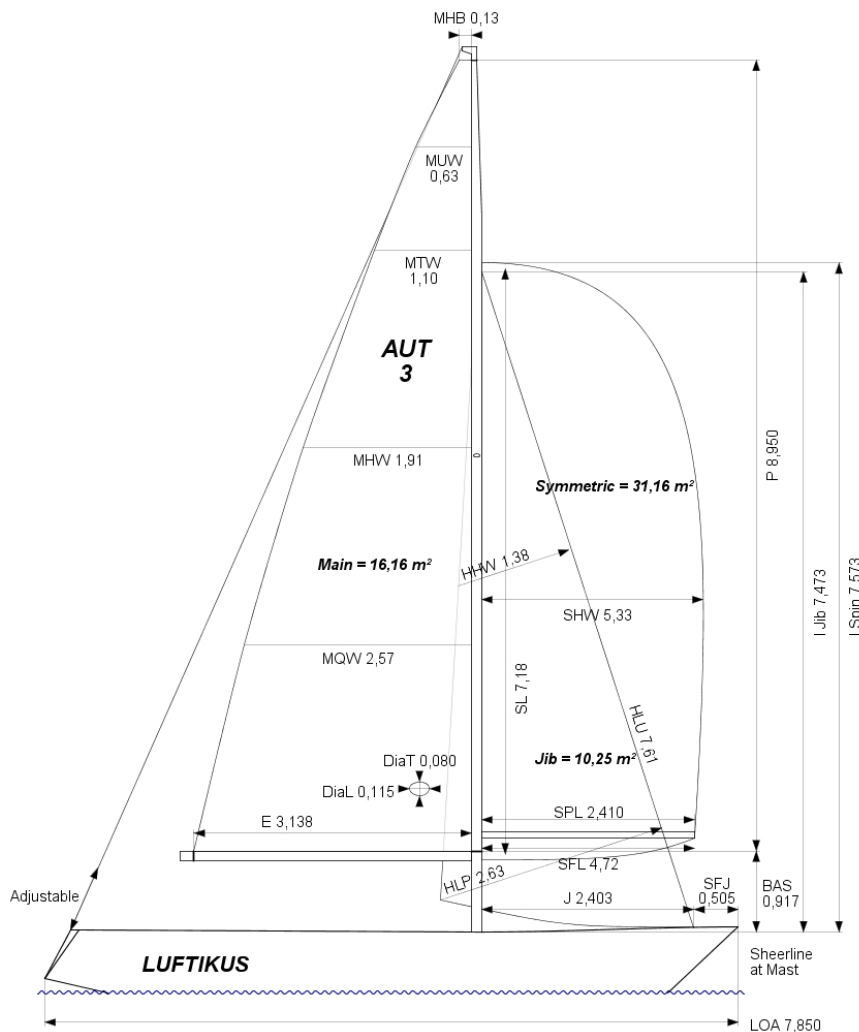
Limit Positive Stab.: **105,2°**
Stability Index: **102,2**

Eigner

Hirschböck
J. A. Winterstraße 1
4840 Vöcklabruck
Austria

Ich versichere, dass ich meine
Verpflichtungen nach den ORC Rules
und Regulations verstehe.

Unterschrift



BOOT Name Luftikus Segel Nr. AUT 3		GPH 759,0	RUMPF Data File h26 Länge 7,850m Offset Datei CBh26.off Breite 2,204m Verdrängung 1.375kg Tiefgang 1,305m			
KLASSE Klasse h 26 Designer H.Groop Werft Frauscher Series 01.1986 Baujahr 01.1987 Altersvergütung 0,487%		IMS Division Cruiser/Racer Dynamic All. 0,252% Fwd Accom. Nein Construction Fest Fiber Rigging Nein Aramid Core Nein Crew Arm Ex Karbon-Ruder Nein Light Stanchions Nein		IMSL 6,284m VCGD 0,064m Sink 7,75kg/mm RL 5,456m VCGM 0,061m WS 10,17m² LSM0 6,025m Displacement/Length ratio 6,2868		
COMMENTS		Water Ballast 0 Trim Tab Nein BLR Index 0,0000				
POPELLER Typ ohne Propeller		CENTERBOARD N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	738,8			826,1		
Time on Time	0,8121			0,8171		
Triple Number	Schwach	Mittel	Stark	Schwach	Mittel	Stark
Time on Distance	861,0	673,2	612,7	1111,5	824,7	738,1
Time on Time	0,7840	1,0027	1,1016	0,6073	0,8185	0,9145

BOOT	
Name Luftikus	Segel Nr. AUT 3
File h26	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 12.05.2003		SG	
FFM	FF	0,739	SFFP 0,560
FAM	FA	0,708	SAFP 7,465
LCF from stem on CL / on sheer		4,048 / 4,189	
Maximum beam station from stem		4,470	
RM Measured		22,4kg·m	
RM Default		21,7kg·m	
Limit of positive stability / Stab.Index		105,2° / 102,2	
Freeboard at mast at 2,908		0,687	

RIG			
Forestay Tension Aft	Spreaders 1		
Inner Stay None Fitted	Runners 0		
Carbon Mast Nein	Jumper Struts Ohne		
Taper Hollows Nein	Vorsegelrollanlage Ja		
Fiber Rigging Nein	Großsegelrollanlage Nein		
Lenticular Rigging Nein	Without Backstay Nein		
Articulated Bowsprit Nein			
P 8,950	E 3,138	MDT1 0,080	MW
IG 7,473	J 2,403	MDL1 0,115	GO
ISP 7,573	SFJ 0,505	MDT2	BD
BAS 0,917	SPL 2,410	MDL2	MWT
FSP -2,000	TPS	TL -2,000	MCG



World Leader in Rating Technology

2018 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

POPELLER	
Typ ohne Propeller	

Zertifikat

Nummer **041/18**
 ORC Ref **AUT00002327**
 Ausgestellt **24.07.2018**
 VPP **2018 1.00**
 Gültig bis **31.12.2018**



AUSTRIAN SAILING FEDERATION
 ORC Rating Office

COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	0,134	0,63	1,10	1,91	2,57	16,16	Schmidleitner	06.05.2018		Dacron	* Copied from legacy					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0,04	0,36	0,69	1,38	2,00	2,63	7,61	109%	10,25			Schmidleit	26.05.2018		Dacron	* Copied from legacy *
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	7,18	7,18	7,18	5,33	4,72	31,16	Schmidleitner	26.05.2018		Polyester	* Copied from legacy *					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

MEASUREMENT INVENTORY					
Measurer					
Date					
Comment					
Id	Item	Weight	Distance	VCG	Description
Id	Item	Weight			Description

MEASUREMENT INVENTORY					
Id	Item	Weight	Distance	VCG	Description



World Leader in Rating Technology

2018

ORC Club Certificate Appendix

BOOT	
Name Luftikus	Certificate Number 041/18
Segel Nr. AUT 3	Ausgestellt am 24.07.2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1279,4	1066,8	949,3	904,0	897,1	900,5	909,0
52°	845,9	710,9	647,8	625,7	619,5	617,7	614,9
60°	802,7	679,2	629,0	608,5	600,2	597,1	594,6
75°	769,5	657,8	615,0	591,8	575,8	566,1	561,5
90°	740,9	631,3	594,3	578,6	564,0	544,7	523,0
110°	739,0	628,6	587,0	555,0	529,3	515,5	494,4
120°	767,3	641,5	594,9	560,9	528,9	501,7	470,8
135°	866,3	703,5	618,7	583,3	550,8	519,8	461,7
150°	1014,2	804,8	679,5	613,3	581,0	550,5	494,4
Run VMG	1171,1	928,4	780,3	678,3	619,6	586,7	529,2

Selected Courses							
Windward / Leeward	1225,3	997,6	864,8	791,1	758,3	743,6	719,1
Circular Random	1036,3	839,8	736,3	678,1	643,9	622,6	596,4
Coastal / Long Distance	1219,8	935,9	781,8	698,2	657,0	622,8	564,2
Non Spinnaker	1094,9	881,1	767,1	702,3	664,1	640,5	612,3

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	42,2°	41,3°	41,2°	40,1°	40,2°	40,6°	42,5°
Beat VMG	2,81	3,37	3,79	3,98	4,01	4,00	3,96
52°	4,26	5,06	5,56	5,75	5,81	5,83	5,86
60°	4,48	5,30	5,72	5,92	6,00	6,03	6,05
75°	4,68	5,47	5,85	6,08	6,25	6,36	6,41
90°	4,86	5,70	6,06	6,22	6,38	6,61	6,88
110°	4,87	5,73	6,13	6,49	6,80	6,98	7,28
120°	4,69	5,61	6,05	6,42	6,81	7,18	7,65
135°	4,16	5,12	5,82	6,17	6,54	6,93	7,80
150°	3,55	4,47	5,30	5,87	6,20	6,54	7,28
Run VMG	3,07	3,88	4,61	5,31	5,81	6,14	6,80
Gybe Angles	148,5°	152,7°	153,3°	171,6°	180,0°	180,0°	180,0°