

BOAT Name Proxima Sail Nr BUL-7	GPH 762.7	HULL Length Overall 7.250m Maximum Beam 2.648m Displacement 1,396kg Draft 1.424m IMS Reg. Division Performance Dynamic Allowance 0.204% Fwd Accommodation No Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class Conrad 24 Designer Michel Dufour Builder Poland Series 01/1978 Age 01/1978 Age Allowance 0.487% Offset File Conrad24.off - 21/05/2019 21:39:24 Measurement by - 21/05/2019		IMSL 5.724m VCGD -0.913m Sink 7.94kg/mm RL 5.702m VCGM -0.787m WS 10.81m² LSM0 5.461m Displacement/Length ratio 8.5717



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	738.6			816.9		
Time on Time	0.8123			0.8263		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	875.1	677.6	592.4	1119.4	824.0	706.2
Time on Time	0.7713	0.9961	1.1394	0.6030	0.8192	0.9558

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1284.8	1079.6	957.4	884.3	838.2	816.1	816.5
52°	846.0	716.1	657.5	628.1	606.2	587.9	572.6
60°	802.5	686.1	640.1	613.5	590.5	570.1	548.8
75°	772.6	668.7	627.7	600.3	575.1	553.4	522.0
90°	781.8	665.8	613.5	577.5	549.2	530.3	511.4
110°	778.7	655.1	606.4	568.6	537.1	509.9	466.7
120°	803.3	666.2	613.5	575.5	543.1	515.0	463.5
135°	879.6	717.6	636.7	597.9	563.5	534.6	483.1
150°	1017.2	813.7	692.5	630.0	595.6	564.2	513.1
Run VMG	1174.6	938.7	793.6	696.4	638.1	603.4	546.2

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Number **038/19**
ORC Ref **BUL10025876**
Issued On **04/07/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default 290kg
Maximum **349kg**
Minimum* **262kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	764.9	0.7844
Double H.OSN	741.1	0.8096
Non Spin GPH	795.9	0.7539
Non Spin OSN	768.3	0.7809

Selected Courses							
Windward / Leeward	1229.7	1009.2	875.5	790.4	738.2	709.8	681.3
Circular Random	1050.6	849.7	740.8	675.7	634.0	605.7	569.7
Coastal / Long Distance	1224.2	948.9	794.0	700.4	645.7	604.8	542.9
Non Spinnaker	1106.4	890.1	772.2	701.7	656.7	626.5	588.3

Sails Limitations

Headsails	Spinnakers
5	3

Dacron Sails

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	42.0°	41.4°	40.8°	39.1°	37.5°	36.8°	37.5°
Beat VMG	2.80	3.33	3.76	4.07	4.29	4.41	4.41
52°	4.26	5.03	5.48	5.73	5.94	6.12	6.29
60°	4.49	5.25	5.62	5.87	6.10	6.31	6.56
75°	4.66	5.38	5.74	6.00	6.26	6.51	6.90
90°	4.60	5.41	5.87	6.23	6.56	6.79	7.04
110°	4.62	5.50	5.94	6.33	6.70	7.06	7.71
120°	4.48	5.40	5.87	6.26	6.63	6.99	7.77
135°	4.09	5.02	5.65	6.02	6.39	6.73	7.45
150°	3.54	4.42	5.20	5.71	6.04	6.38	7.02
Run VMG	3.06	3.84	4.54	5.17	5.64	5.97	6.59
Gybe Angles	148.8°	151.9°	153.9°	172.8°	180.0°	180.0°	180.0°

Class Division Length

CDL = **5.713**

Storm Sails Areas

Heavy Weather Jib **10.90**
Storm Jib (JL=5.85) **4.04**
Storm Trysail **3.07**

Owner

BOAT	
Name Proxima	Sail Nr BUL-7
File BUL7	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining		Flotation date 22/05/2019 SG 1.0120	
FFM 0.854	FF 0.858	SFFP 0.500	
FAM 0.697	FA 0.698	SAFP 6.885	
W1 8.6	PD1 43.0	WD 6.650	
W2 18.0	PD2 83.0	GSA 50.3	
W3 27.5	PD3 132.0	RSA 18800.	
W4 37.9	PD4 210.0	PLM 2000.0	
LCF from stem on CL / on sheer		3.828 / 4.010	
Maximum beam station from stem		4.380	
RM Measured		48.9kg·m	
RM Default		34.3kg·m	
Limit of positive stability / Stab.Index		145.1° / 136.9	
Freeboard at mast at 2.855		0.807	



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RIG			
Forestay Tension Aft	Spreaders 1		
Inner Stay None Fitted	Runners 0		
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 7.605	E 2.300	MDT1 0.100	MW 0.120
IG 8.890	J 2.835	MDL1 0.120	GO 0.150
ISP 8.860	SFJ 0.020	MDT2 0.100	BD 0.100
BAS 1.065	SPL 2.750	MDL2 0.120	MWT
FSP	TPS 0.000	TL 0.000	MCG

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.130	0.54	0.95	1.60	2.07	11.09	11.31	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	39.01		SL · (SFL + 4·SHW) / 6	
	8.89	8.89	8.89	5.31	5.09				
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
0.04	0.54	1.06	2.15	3.32	4.55	8.83	19.54			21/05/2019	Dacron	

MEASUREMENT INVENTORY				
Measurer Svetlin Karadzhov				
Date 22/05/2019				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

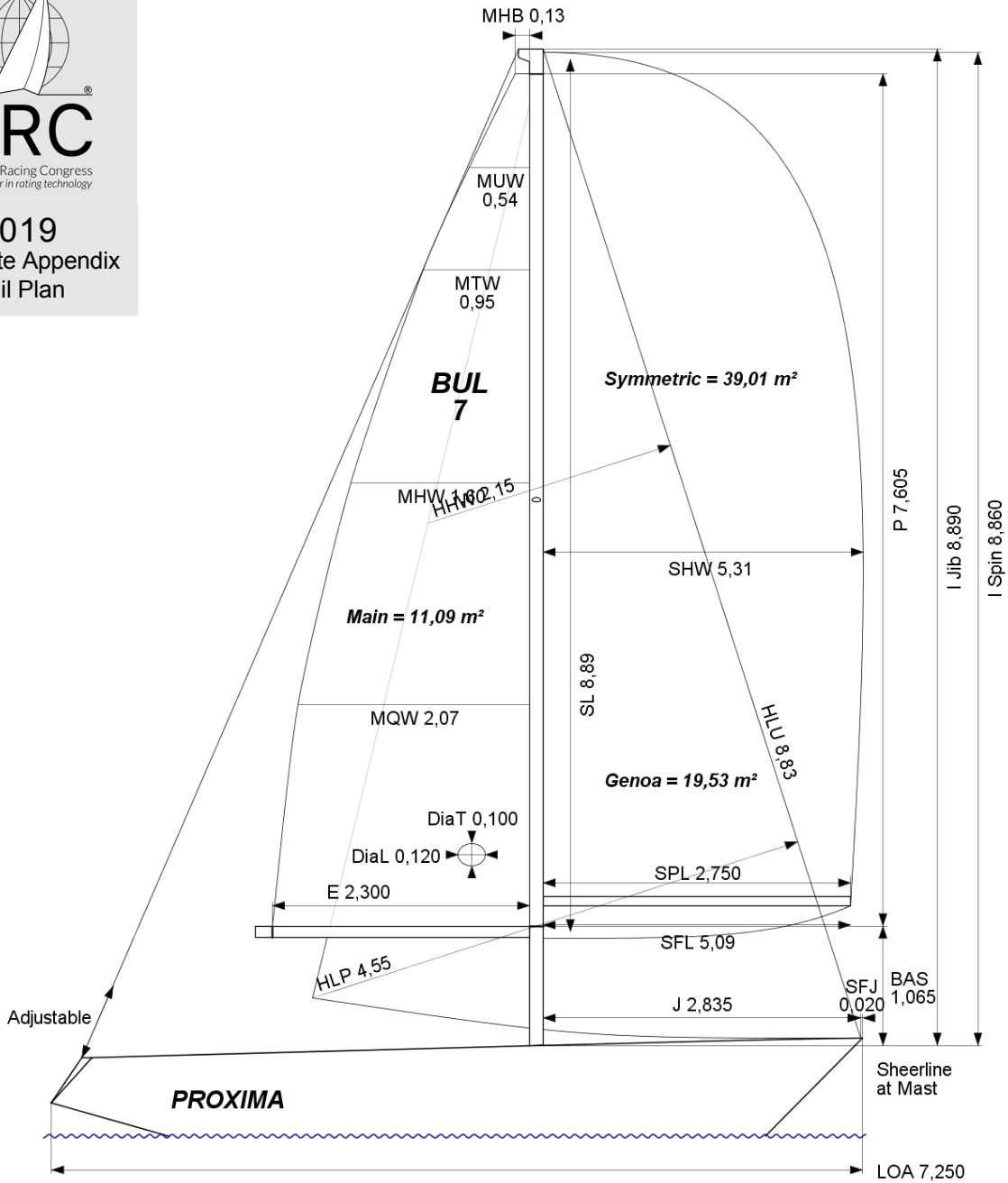
MEASUREMENT INVENTORY				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.13	0.54	0.95	1.60	2.07	11.10		21/05/2019	ISI	Dacron	

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.04	0.54	1.06	2.15	3.32	4.55	8.83	160%	19.54				21/05/2019	ISI	Dacron	

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	8.89	8.89	8.89	5.31	5.09	39.02		21/05/2019	ISI	Nylon	

ASYMMETRIC SPINNAKERS (0)

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