

BOAT
Name Flux II
Sail Nr DEN 69

GPH
573.9

HULL			
Length Overall	12.100m		
Maximum Beam	3.780m		
Displacement	6,258kg		
Draft	2.397m		
IMS Reg. Division	Cruiser/Racer		
Dynamic Allowance	0.001%		
Fwd Accommodation	Yes		
Hull Construction	Cored		
Carbon Rudder	No		
Crew Arm Extension			
IMSL	10.607m	VCGD	0.012m Sink 21.52kg/mm
RL	10.102m	VCGM	0.037m WS 28.69m ²
LSM0	10.546m	Displacement/Length ratio 5.3355	



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2019
ORC International
Certificate

GENERAL
Class IMX-40
Designer JEPPESEN
Builder X-YACHTS
Series 05/2000, CIN 12
Age 06/2000
Age Allowance 0.487%
Offset File imx40.off - 17/05/2001 17:04:00
Measurement by - 15/04/2018

Rating Office

Offshore
Racing
Congress

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	561.2			627.7		
Time on Time	1.0691			1.0753		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	650.8	510.7	456.8	850.3	629.1	549.0
Time on Time	1.0372	1.3216	1.4778	0.7938	1.0729	1.2296

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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	957.8	791.1	698.6	664.4	650.9	644.7	630.4
52°	631.4	531.3	487.5	472.6	467.0	464.3	456.3
60°	596.2	505.6	476.1	461.1	454.6	451.1	443.6
75°	537.6	476.3	456.3	446.3	436.5	429.2	422.9
90°	520.6	468.9	445.0	426.1	415.7	407.7	395.5
110°	557.4	488.6	454.8	428.4	404.1	384.9	364.0
120°	604.2	499.9	459.4	431.4	405.5	386.2	349.3
135°	667.2	541.1	479.5	449.6	422.5	396.7	344.6
150°	792.6	638.5	536.8	480.2	452.1	427.2	379.8
Run VMG	915.2	737.3	619.9	546.7	500.3	466.6	418.8

Certificate
Number 35322
ORC Ref DEN00000537
Issued On 05/06/2019
VPP Ver. 2019 1.01
Valid until 31/12/2019

Selected Courses							
Windward / Leeward	936.5	764.2	659.2	605.5	575.6	555.6	524.6
Circular Random	782.6	635.5	557.3	512.2	484.2	465.1	438.4
Coastal / Long Distance	934.4	717.0	595.6	529.8	495.6	468.3	420.2
Non Spinnaker	852.9	684.4	593.2	539.9	506.7	484.7	455.6

Crew Weight
Default 743kg
Maximum 891kg
Minimum* 668kg
*when applied by the NoR and SI
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	42.2°	41.0°	39.6°	38.0°	37.7°	37.4°	37.2°
Beat VMG	3.76	4.55	5.15	5.42	5.53	5.58	5.71
52°	5.70	6.78	7.38	7.62	7.71	7.75	7.89
60°	6.04	7.12	7.56	7.81	7.92	7.98	8.11
75°	6.70	7.56	7.89	8.07	8.25	8.39	8.51
90°	6.92	7.68	8.09	8.45	8.66	8.83	9.10
110°	6.46	7.37	7.92	8.40	8.91	9.35	9.89
120°	5.96	7.20	7.84	8.34	8.88	9.32	10.31
135°	5.40	6.65	7.51	8.01	8.52	9.08	10.45
150°	4.54	5.64	6.71	7.50	7.96	8.43	9.48
Run VMG	3.93	4.88	5.81	6.59	7.20	7.72	8.60
Gybe Angles	141.0°	148.0°	148.7°	156.4°	171.5°	180.0°	180.0°

Special Scoring	
ToD	ToT
Double H.GPH 585.8	1.0242
Double H.OSN 574.8	1.0438
Non Spin GPH 612.1	0.9802
Non Spin OSN 594.9	1.0086

Sails Limitations	
Headsails 6	Spinnakers 4

Class Division Length
CDL = 10.355

Storm Sails Areas	
Heavy Weather Jib	34.13
Storm Jib (JL=10.34)	12.64
Storm Trysail	14.70

Owner

BOAT	
Name Flux II File 35322 - IMX 40 -	Sail Nr DEN 69 Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 3
Inner Stay None Fitted	Runners 0
Carbon Mast Yes	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 15.210	E 5.520 MDT1 0.120 MW 0.242
IG 15.854	J 4.520 MDL1 0.250 GO 0.255
ISP 16.074	SFJ 0.000 MDT2 0.100 BD 0.270
BAS 1.824	SPL 4.500 MDL2 0.170 MWT 179.00
FSP 0.080	TPS 5.280 TL 0.830 MCG 5.010

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 15/04/2018		SG 1.0070
FFM 1.395	FF 1.401	SFFP 0.405
FAM 1.141	FA 1.146	SAFP 11.420
W1 100.0	PD1 610.8	WD 12.550
W2 100.0	PD2 612.1	GSA 1.0
W3 100.0	PD3 613.4	RSA 1.0
W4 100.0	PD4 611.9	PLM 9000.0
LCF from stem on CL / on sheer		6.652 / 6.891
Maximum beam station from stem		7.990
RM Measured		161.5kg-m
RM Default		171.9kg-m
Limit of positive stability / Stab.Index		118.8° / 119.4
Freeboard at mast at 4.520		1.274



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.390	
Type Folding 3 blades	PBW 0.130	
Twin Screw No	PIPA 0.0031	
ST1 0.048	ST3 0.170 ST5 0.230	
ST2 0.170	ST4 0.098 EDL 1.280	

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

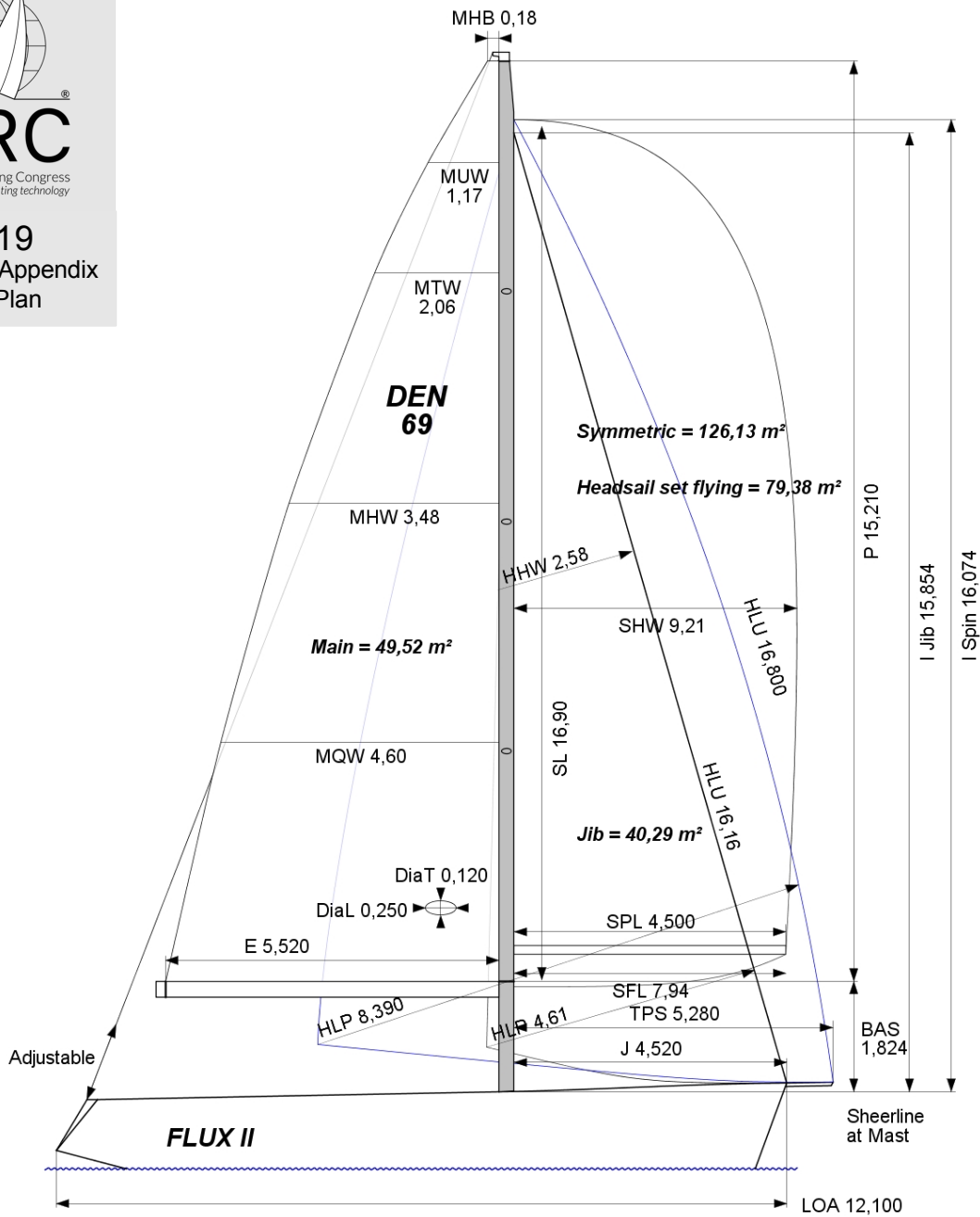


SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.180	1.17	2.06	3.48	4.60	49.52	50.56	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	16.90	16.90	16.90	9.21	7.94	126.13	SL · (SFL + 4·SHW) / 6		
Asymmetric	Not Available								

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
0.08	1.35	2.66	5.10	7.15	8.39	16.80	79.38		Y	08/04/2018	Unknow	Code Zero
0.14	0.80	1.45	2.58	3.65	4.61	16.16	40.30			08/05/2019	Unknow	
0.11	0.77	1.42	2.49	3.51	4.59	15.95	38.74	Y		08/04/2018	Unknow	

MEASUREMENT INVENTORY				
Measurer				
Date				
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>



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.18	1.17	2.06	3.48	4.60	49.49		08/04/2018	OneSails	Unknown	FORTE 4T

HEADSAILS (3)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.08	1.35	2.66	5.10	7.15	8.39	16.80	186%	79.38		Y		08/04/2018	North	Unknown	Code Zero
4	0.14	0.80	1.45	2.58	3.65	4.61	16.16	102%	40.30				08/05/2019	OneSails	Unknown	Unknown
3	0.11	0.77	1.42	2.49	3.51	4.59	15.95	102%	38.74	Y			08/04/2018	Elvstrøm	Unknown	Unknown

SYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
6	16.90	16.90	16.90	9.21	7.94	126.14		08/04/2018	OneSails	Unknown	
4	16.64	16.64	16.64	8.32	8.00	114.49		10/01/2018	North	Unknown	
5	15.83	15.83	15.83	8.40	8.06	109.92		08/04/2018	North	Unknown	

ASYMMETRIC SPINNAKERS (0)

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