

BOAT	GPH	HULL
Name X-41 ONE DESIGN Sail Nr X41-	565.1	Length Overall 12.350m Maximum Beam 3.646m Displacement 6,802kg Draft 2.495m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.000% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL		IMSL 11.087m VCGD -0.080m Sink 22.96kg/mm RL 10.385m VCGM -0.096m WS 30.60m² LSMO 10.994m Displacement/Length ratio 5.1188
Class X-41 OD Designer Niels Jeppesen Builder X-Yachts Series 01/2007 Age 01/2008 Age Allowance 0.390% Offset File x41.od - 15/01/2019 18:50:10 Measurement by Amundsen - 21/06/2007		



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2019 (Test)
ORC International
One Design Certificate

Rating Office

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	549.9			613.6		
Time on Time	1.0910			1.1001		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	639.9	502.6	451.0	824.1	616.2	540.1
Time on Time	1.0549	1.3429	1.4968	0.8191	1.0954	1.2498

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	926.2	762.6	682.1	655.2	643.5	633.0	624.3
52°	609.2	512.6	475.2	464.0	459.1	456.6	448.8
60°	577.0	494.2	463.6	452.0	446.7	443.8	435.1
75°	552.4	482.5	454.9	438.3	427.8	422.0	416.6
90°	557.3	483.6	454.5	435.0	417.3	403.0	388.5
110°	576.3	481.3	445.5	423.4	409.3	396.4	375.6
120°	591.3	489.3	449.7	422.5	397.1	381.7	356.3
135°	655.0	529.7	469.0	440.4	413.8	387.5	334.3
150°	774.5	617.7	523.0	470.5	442.9	418.3	369.9
Run VMG	894.3	713.3	603.8	536.2	490.8	457.1	409.8

Selected Courses							
Windward / Leeward	910.2	738.0	643.0	595.7	567.2	545.1	517.1
Circular Random	771.6	625.6	548.5	504.5	477.4	459.0	433.6
Coastal / Long Distance	908.6	694.6	582.5	522.3	488.5	460.6	415.9
Non Spinnaker	828.4	665.9	578.4	527.4	495.7	474.6	446.9

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	42.5°	41.0°	39.4°	38.2°	38.1°	37.6°	37.9°
Beat VMG	3.89	4.72	5.28	5.49	5.59	5.69	5.77
52°	5.91	7.02	7.58	7.76	7.84	7.88	8.02
60°	6.24	7.28	7.76	7.97	8.06	8.11	8.27
75°	6.52	7.46	7.91	8.21	8.42	8.53	8.64
90°	6.46	7.44	7.92	8.28	8.63	8.93	9.27
110°	6.25	7.48	8.08	8.50	8.79	9.08	9.58
120°	6.09	7.36	8.00	8.52	9.07	9.43	10.11
135°	5.50	6.80	7.68	8.17	8.70	9.29	10.77
150°	4.65	5.83	6.88	7.65	8.13	8.61	9.73
Run VMG	4.03	5.05	5.96	6.71	7.33	7.88	8.78
Gybe Angles	142.6°	147.0°	150.1°	156.1°	170.9°	180.0°	180.0°

Certificate	
Number 9831	ORC Ref N/A
Issued On 15/01/2019	VPP Ver. 2019 1.01
Invalid for Racing	

Crew Weight	
Default	788kg
Maximum	850kg
Minimum*	638kg
*when applied by the NoR and SI	
Non Manual Pwr	No

Special Scoring	
ToD	ToT
Non Spin GPH 596.6	1.0057
Non Spin OSN 581.2	1.0324

Sails Limitations	
Headsails	Spinnakers
6	4

Class Division Length	
CDL = 10.737	

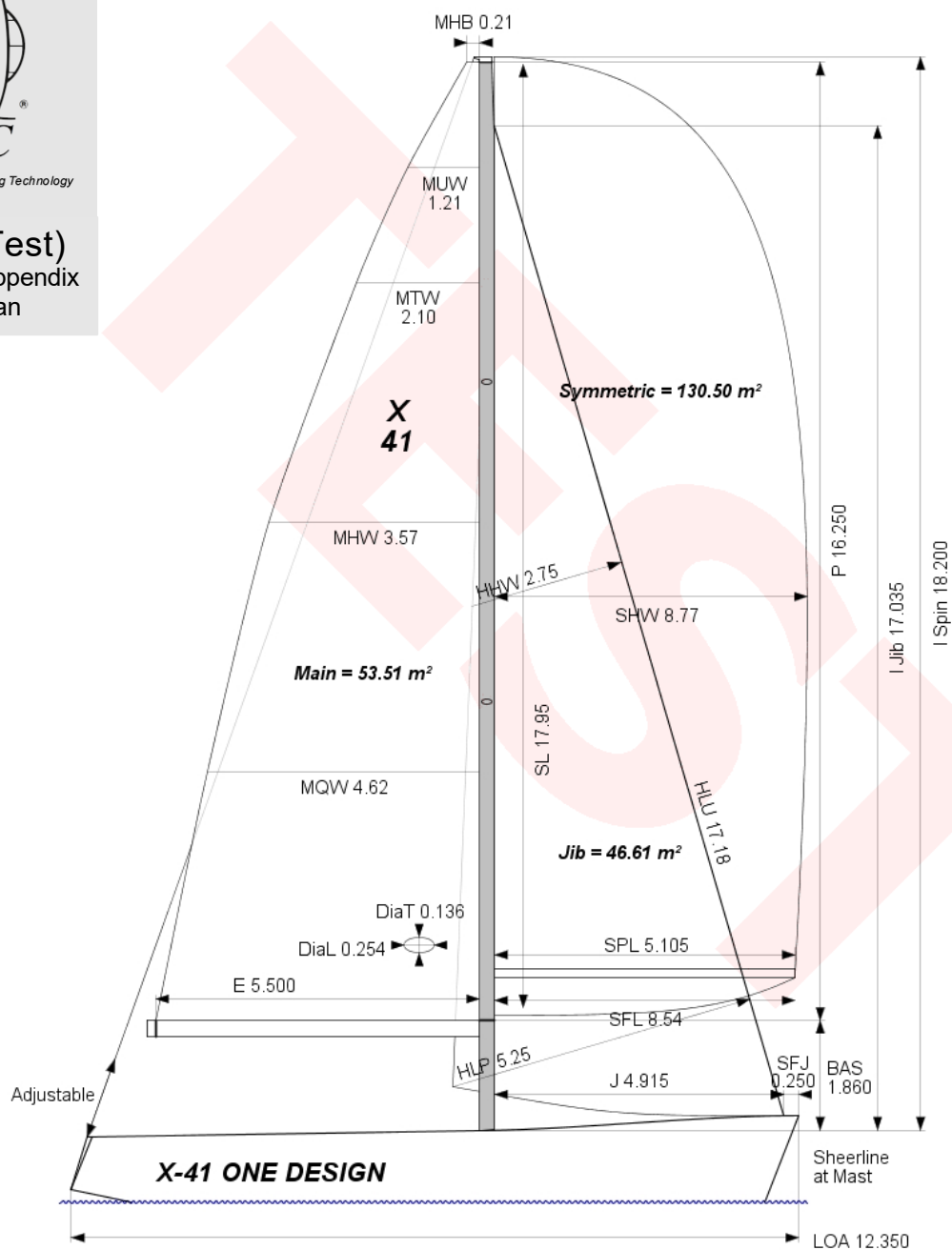
Storm Sails Areas	
Heavy Weather Jib	39.57
Storm Jib (JL=11.13)	14.66
Storm Triesail	15.65

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



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2019 (Test) Certificate Appendix Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	ORC	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	ORC	0.21	1.21	2.10	3.57	4.62	53.52					* Copied from legacy

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.13	0.75	1.45	2.75	4.02	5.25	17.18	107%	46.61							Unknow

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	17.95	17.95	17.95	8.77	8.54	130.50				Unknown	

ASYMMETRIC SPINNAKERS (0)

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