

BOAT	GPH	HULL
Name DIA Sail Nr LTU-3111	588.3	Length Overall 10.800m Maximum Beam 3.636m Displacement 4,486kg Draft 2.103m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.059% Fwd Accommodation No Hull Construction Cored Carbon Rudder Yes Crew Arm Extension
GENERAL		IMSL 9.997m VCGD 0.054m Sink 19.18kg/mm RL 9.457m VCGM 0.175m WS 23.73m² LSM0 9.631m Displacement/Length ratio 5.0216
Class NEO 350 Designer CECCARELLI Builder NEO YACHT'S & COMP Series 04/2018 Age 07/2018 Age Allowance 0.033% Offset File NEO350.off - 05/02/2019 21:24:46 Measurement by - 01/04/2019		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	572.1			641.3		
Time on Time	1.0487			1.0525		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	670.0	522.5	465.4	864.7	642.9	563.7
Time on Time	1.0075	1.2919	1.4504	0.7806	1.0499	1.1975

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	988.7	813.2	720.1	686.7	674.0	667.5	657.4
52°	646.8	544.3	498.4	482.8	477.2	474.7	467.0
60°	611.2	522.5	485.7	469.5	463.0	459.7	451.6
75°	584.7	507.9	476.7	456.2	441.1	433.7	428.1
90°	592.2	500.7	469.0	454.0	433.3	414.4	395.1
110°	587.6	495.0	458.2	429.1	410.4	395.7	373.1
120°	604.5	503.7	464.4	432.7	401.8	377.1	347.6
135°	674.0	545.8	486.0	454.9	424.6	395.1	333.7
150°	799.2	635.8	539.7	488.2	459.0	431.4	376.8
Run VMG	922.9	734.2	623.2	555.0	506.9	472.9	421.2

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Number **31111**
ORC Ref **ITA00052990**
Issued On **01/06/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **652kg**
Maximum **625kg**
Minimum* **469kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	599.6	1.0007
Double H.OSN	584.9	1.0258
Non Spin GPH	626.1	0.9583
Non Spin OSN	608.4	0.9862

Selected Courses							
Windward / Leeward	955.8	773.7	671.6	620.8	590.5	570.2	539.3
Circular Random	806.8	652.8	571.0	523.8	494.4	474.2	445.8
Coastal / Long Distance	952.5	727.1	607.6	543.2	506.2	475.0	424.4
Non Spinnaker	874.7	700.8	606.6	551.5	517.1	494.1	463.5

Sails Limitations

Headsails	Spinnakers
5	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	42.9°	41.3°	39.9°	38.6°	38.6°	38.4°	38.6°
Beat VMG	3.64	4.43	5.00	5.24	5.34	5.39	5.48
52°	5.57	6.61	7.22	7.46	7.54	7.58	7.71
60°	5.89	6.89	7.41	7.67	7.78	7.83	7.97
75°	6.16	7.09	7.55	7.89	8.16	8.30	8.41
90°	6.08	7.19	7.68	7.93	8.31	8.69	9.11
110°	6.13	7.27	7.86	8.39	8.77	9.10	9.65
120°	5.96	7.15	7.75	8.32	8.96	9.55	10.36
135°	5.34	6.60	7.41	7.91	8.48	9.11	10.79
150°	4.50	5.66	6.67	7.37	7.84	8.34	9.55
Run VMG	3.90	4.90	5.78	6.49	7.10	7.61	8.55
Gybe Angles	143.5°	147.0°	149.1°	157.0°	173.5°	180.0°	180.0°

Class Division Length

CDL = **9.728**

Storm Sails Areas

Heavy Weather Jib **27.56**
Storm Jib (JL=9.29) **10.21**
Storm Trysail **11.60**

Owner

BOAT	
Name DIA	Sail Nr LTU-3111
File LTU3111	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
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 13.950	E 4.750 MDT1 0.103 MW 0.187
IG 14.212	J 4.330 MDL1 0.183 GO 0.210
ISP 15.692	SFJ 0.360 MDT2 0.070 BD 0.220
BAS 1.582	SPL 4.420 MDL2 0.162 MWT 114.00
FSP 0.068	TPS 5.750 TL 1.570 MCG 5.550

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 19/07/2018		SG 1.0250	
FFM 1.247	FF 1.247	SFFP 0.670	
FAM 0.948	FA 0.948	SAFP 10.670	
W1 62.6	PD1 547.4	WD 12.420	
W2 62.6	PD2 533.9	GSA 1.0	
W3 62.6	PD3 543.0	RSA 1.0	
W4 62.6	PD4 538.7	PLM 9000.0	
LCF from stem on CL / on sheer		5.955 / 6.226	
Maximum beam station from stem		8.020	
RM Measured		113.2kg-m	
RM Default		121.8kg-m	
Limit of positive stability / Stab.Index		112.2° / 108.7	
Freeboard at mast at 4.690		1.237	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.435		
Type Feathering 2 blades	PBW 0.138		
Twin Screw No	PIPA 0.0037		
ST1 0.065	ST3 0.180	ST5 0.270	
ST2 0.180	ST4 0.110	EDL 1.401	

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COMMENTS	
ACL	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.280	1.02	1.74	2.92	3.89	38.61	39.24	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	99.20		SL · (SFL + 4·SHW) / 6	
	15.50	15.50	15.50	7.80	7.20				
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	98.73		AS · (SFL + 4·SHW) / 6	
	17.00	14.30	15.65	7.45	8.05				

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
0.12	0.75	1.34	2.40	3.46	4.44	14.29	33.69	Y	N	02/11/2018	Unknow	J1
0.00	0.00	0.00	0.00	0.00	3.60	13.95	25.57	N	Y	01/04/2019	Twaron	STAYSAIL

MEASUREMENT INVENTORY				
Measurer 162				
Date 19/07/2018				
Comment Condizioni ottime				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
A	Engine	VOLVO PENTA	30 HP	
Id	Item	Weight Description		

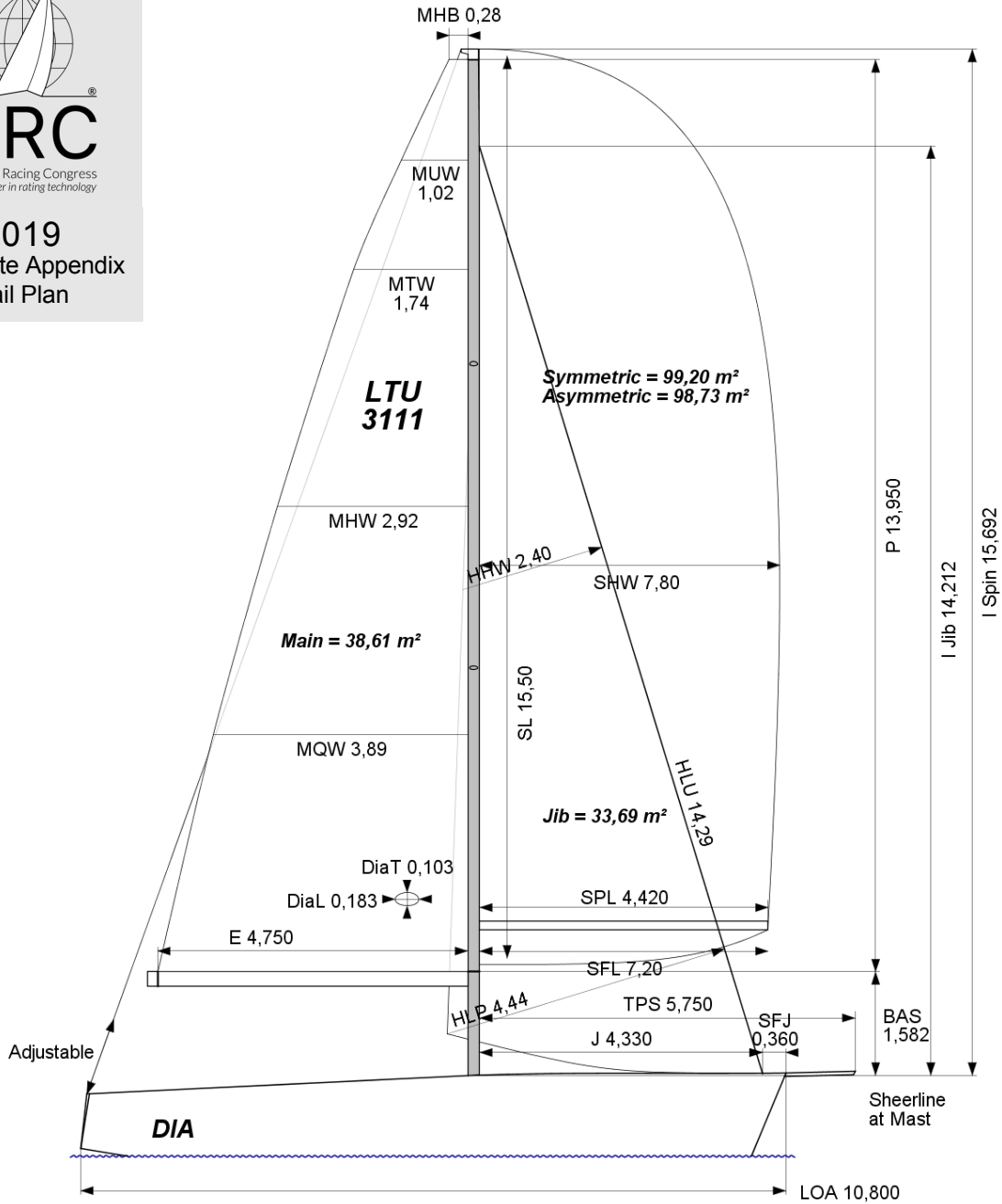
MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
A	Tank	WATER	PVC	100.0	3.00	0.00	0-0	EMPTY SX	
B	Tank	WATER	PVC	100.0	3.00	0.00	0-0	EMPTY SX	
C	Tank	FUEL	PVC	85.0	7.10	0.00	0-0	EMPTY DX	
Id	Item	Weight	Distance	VCG Description					
A	Battery	32.0	7.55	0.00 180 Ah SX					
B	Battery	1.8	7.55	0.00 40 Ah SX					
A	Misc	13.0	0.80	0.00 SALPAANCORE					
B	Misc	10.0	8.60	0.00 BOILER SX					
C	Misc	12.0	10.30	0.00 PILOTA AUTOMATICO					



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SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
C	0.28	1.02	1.74	2.92	3.89	38.61		01/04/2019	BANKS	Carbon						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
B	0.12	0.75	1.34	2.40	3.46	4.44	14.29	103%	33.69	Y	N		02/11/2018	BANKS	Unknow	J1
A	0.00	0.00	0.00	0.00	0.00	3.60	13.95	83%	25.57	N	Y		01/04/2019	BANKS	Twaron	STAYSAIL
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
B	15.50	15.50	15.50	7.80	7.20	99.20		02/11/2018	BANKS	Nylon	S2					
A	15.55	15.55	15.55	7.60	7.45	98.10		02/11/2018	BANKS	Nylon	S1					
ASYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
B	17.00	14.30	15.65	7.45	8.05	98.73	asym		01/04/2019	BANKS	Nylon	A1				
C	16.06	14.56	15.31	6.38	8.48	86.76	asym		19/07/2018	BANKS	Nylon	A0				