

BOAT
Name TEGU Sail Nr LTU 2235

GPH
607.0

HULL
Length Overall 10.600m
Maximum Beam 3.250m
Displacement 4,487kg
Draft 2.173m
IMS Reg. Division Cruiser/Racer
Dynamic Allowance 0.000%
Fwd Accommodation Yes
Hull Construction Cored
Carbon Rudder No
Crew Arm Extension
IMSL 9.449m VCGD 0.053m Sink 17.60kg/mm
RL 8.885m VCGM 0.043m WS 22.90m²
LSM0 9.270m Displacement/Length ratio 5.6327



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2017
ORC International
One Design Certificate

GENERAL
Class X-35 OD
Designer JEPPESEN
Builder X Yachts
Series 09/2005
Age 04/2008
Age Allowance 0.390%
Offset File x35.od - 13/03/2017 12:28:23
Measurement by V. Stankus - 04/05/2017

Rating Office

Offshore
Racing
Congress



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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	592.2			661.0		
Time On Time	1.0132			1.0212		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	687.9	540.1	483.9	890.4	663.0	580.3
Time on Time	0.9812	1.2498	1.3949	0.7581	1.0181	1.1631

TIME ALLOWANCES	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1004.2	836.6	741.1	708.4	693.8	682.6	676.1
52°	657.6	554.2	511.4	499.2	493.6	490.5	482.8
60°	619.2	531.0	497.9	485.2	479.2	475.7	466.0
75°	588.0	516.0	487.1	467.3	455.7	449.4	443.4
90°	588.9	515.1	486.1	464.1	442.7	426.4	414.1
110°	609.8	514.1	478.1	450.6	435.2	420.9	400.4
120°	629.2	524.7	485.1	455.6	425.9	406.2	381.0
135°	698.4	568.1	507.0	477.0	449.1	421.3	363.3
150°	829.1	661.0	560.1	506.3	478.0	452.1	401.0
Run VMG	957.3	763.3	645.7	572.2	520.5	488.4	438.7

Certificate
Number LT2235
ORC Ref lt00000134
Issued On 01/06/2017
VPP Ver. 2017 1.00
Valid until 31/12/2017

Selected Courses	980.8	800.0	693.4	640.3	607.1	585.5	557.4
Windward / Leeward	980.8	800.0	693.4	640.3	607.1	585.5	557.4
Circular Random	828.3	672.2	589.4	541.8	512.5	492.8	466.2
Ocean for PCS	1016.1	788.6	661.1	583.5	533.0	497.3	446.7
Non Spinnaker	877.4	707.0	615.4	562.1	529.1	507.2	478.7

Crew Weight
Declared 640kg
Default* 618kg
Non Manual Pwr No

Special Scoring
ToD ToT
Double H.GPH 613.4 0.9782
Double H.OSN 599.8 1.0004
Non Spin GPH 634.5 0.9456
Non Spin OSN 618.4 0.9702

Velocity Prediction in Knots for True Wind Speeds	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42.9°	42.0°	40.5°	39.1°	38.5°	37.9°	38.2°
Beat VMG	3.58	4.30	4.86	5.08	5.19	5.27	5.32
52°	5.47	6.50	7.04	7.21	7.29	7.34	7.46
60°	5.81	6.78	7.23	7.42	7.51	7.57	7.73
75°	6.12	6.98	7.39	7.70	7.90	8.01	8.12
90°	6.11	6.99	7.41	7.76	8.13	8.44	8.69
110°	5.90	7.00	7.53	7.99	8.27	8.55	8.99
120°	5.72	6.86	7.42	7.90	8.45	8.86	9.45
135°	5.15	6.34	7.10	7.55	8.02	8.55	9.91
150°	4.34	5.45	6.43	7.11	7.53	7.96	8.98
Run VMG	3.76	4.72	5.58	6.29	6.92	7.37	8.21
Gybe Angles	144.4°	148.7°	151.4°	159.1°	180.0°	180.0°	180.0°

Sails Limitations	
Headsails 5	Spinnakers 3

Class Division Length
CDL = 9.168

Storm Sails Areas
Heavy Weather Jib 28.66
Storm Jib (JL=9.47) 10.61
Storm Trysail 12.22

Owner

BOAT	
Name TEGU	Sail Nr LTU 2235
File Tegu-0175X	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 04/05/2006				SG 1.0250	
FFM 1.321	FF 1.323	SFFP 0.075			
FAM 0.980	FA 0.983	SAFP 10.275			
W1 70.0	PD1 554.0	WD 11.240			
W2 70.0	PD2 558.9	GSA 1.0			
W3 70.0	PD3 554.0	RSA 1.0			
W4 70.0	PD4 552.5	PLM 9000.0			
LCF from stem on CL / on sheer		5.956 / 6.160			
Maximum beam station from stem		7.300			
RM Measured		111.7kg·m			
RM Default		121.5kg·m			
Limit of positive stability / Stab.Index		116.3° / 117.0			
Freeboard at mast at 4.185		1.108			

RIG					
Forestay Tension Aft	Spreaders 2				
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 14.250	E 4.900	MDT1 0.125	MW 0.184		
IG 14.500	J 4.185	MDL1 0.185	GO 0.204		
ISP 14.530	SFJ	MDT2 0.122	BD 0.220		
BAS 1.745	SPL 4.180	MDL2 0.140	MWT 156.00		
FSP 0.068	TPS	TL 1.230	MCG 4.600		

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.420	
Type Folding 2 blades	PBW 0.128	
Twin Screw No	PIPA 0.0033	
ST1 0.042	ST3 0.182	ST5 0.255
ST2 0.178	ST4 0.112	EDL 2.390


COMMENTS	
O.D. TRIM PLUS TABLE AND CUSHIONS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.210	1.08	1.88	3.19	4.14	41.98	42.84	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	14.36	14.36	14.36	7.75	7.52	92.19		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
0.10	0.63	1.21	2.29	3.34	4.45	14.60	33.15	N	N	01/03/2007	Kevlar	One Design Rule




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IMS Measurement Certificate

Certificate

Number **LT2235**
 ORC Ref **It00000134**
 Issued On **01/06/2017**
 VPP Ver. **2017 1.00**
 Valid until **31/12/2017**

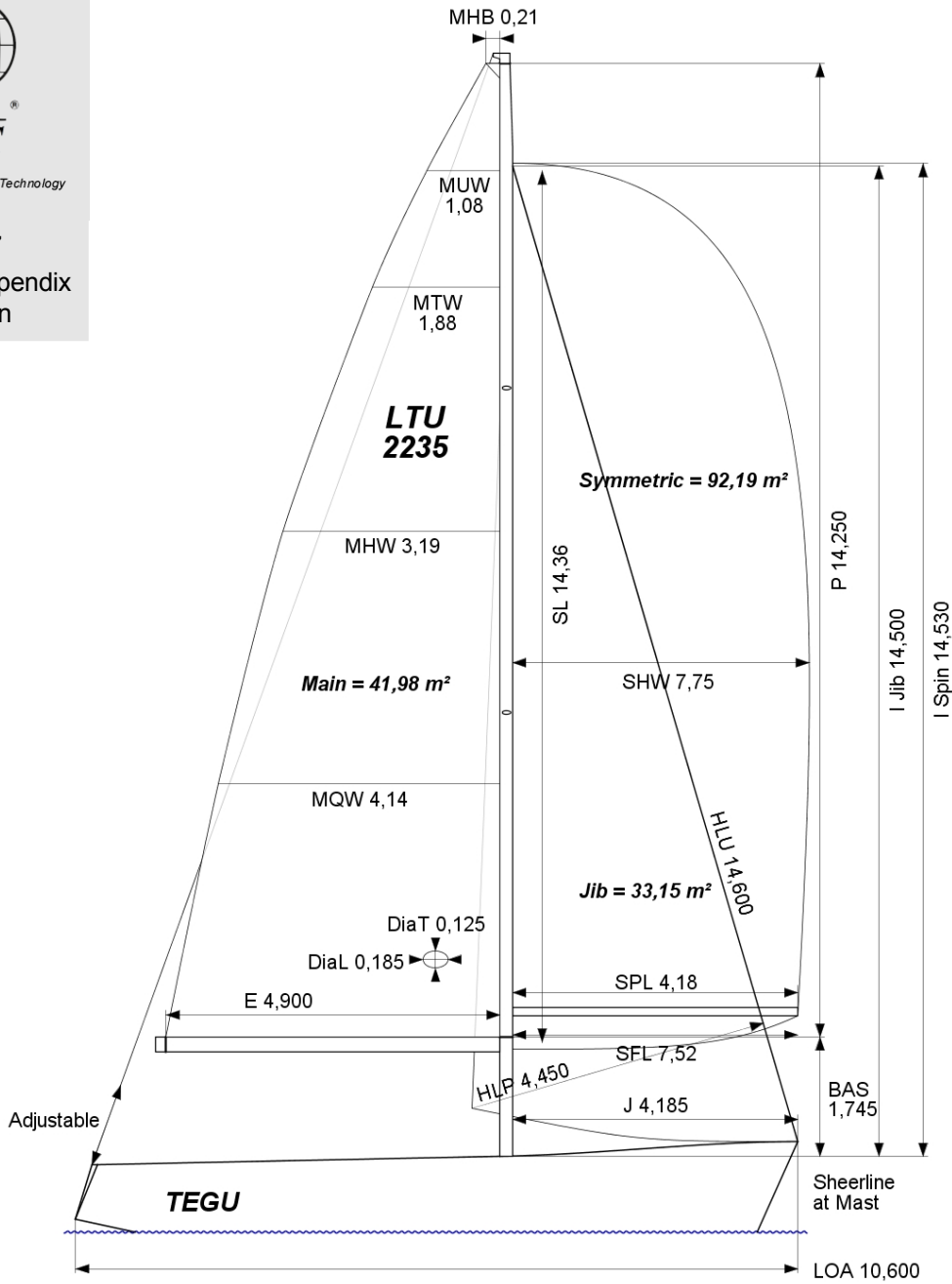


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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	0.210	1.08	1.88	3.19	4.14	41.98				Unknown	* Copied from legacy					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.10	0.63	1.21	2.29	3.34	4.45	14.60	106%	33.15	N	N	X-35	01/03/2007	Any	Kevlar	One Design Rule
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	14.36	14.36	14.36	7.75	7.52	92.19				Unknown	* Copied from legacy *					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				