

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
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		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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ORC International
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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
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 **lt00000131**
Issued On **01/06/2017**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

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

Selected Courses	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
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

Sails Limitations

Headsails	Spinnakers
5	3

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°

Class Division Length

CDL = **9.168**

Storm Sails Areas

Heavy Weather Jib **28.66**
Storm Jib (JL=9.47) **10.61**
Storm Triesail **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**
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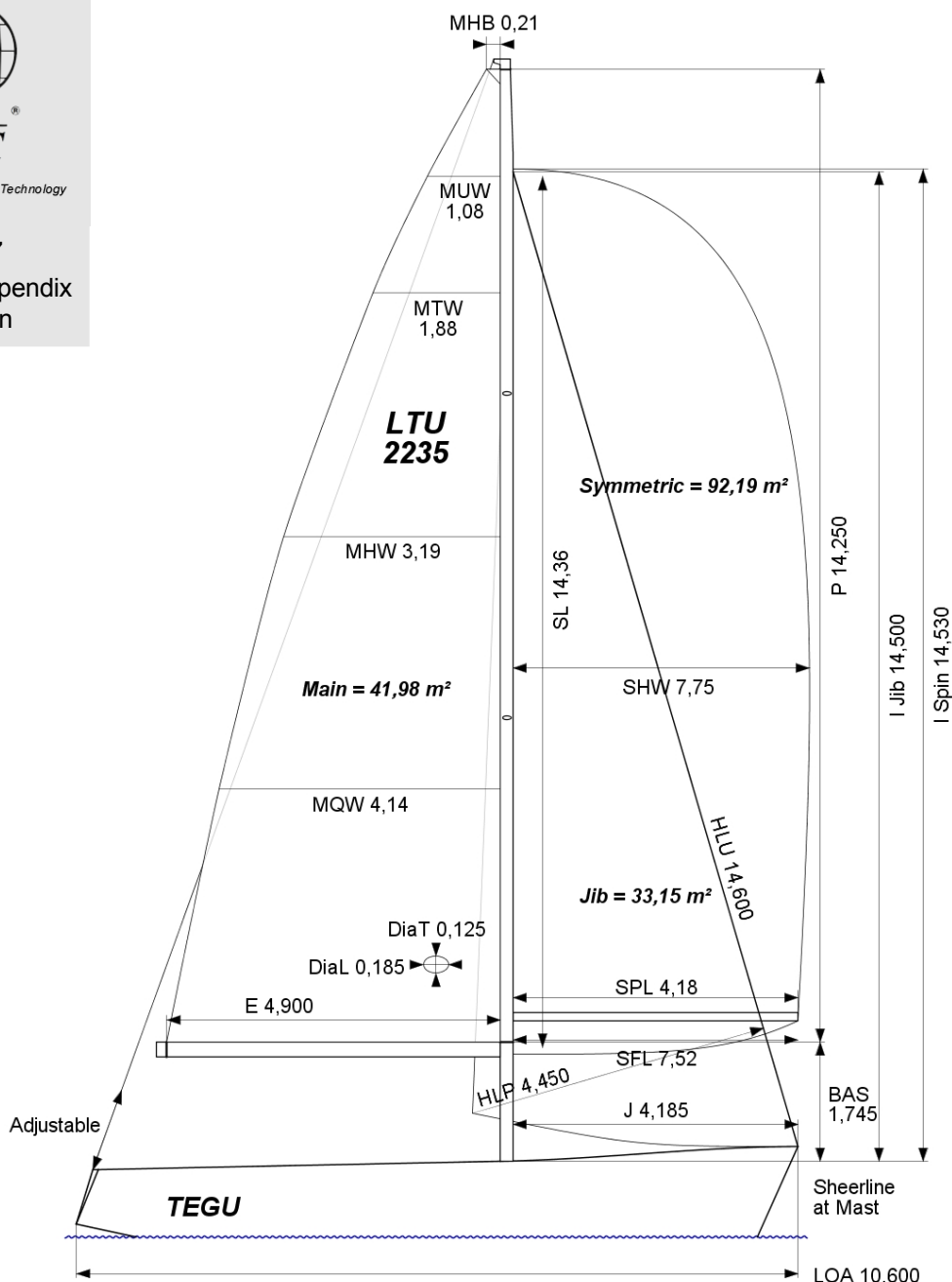


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Certificate Appendix
Sail Plan



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
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