

GPH = 629.5 **CDL = 8.915**

BOAT

Class **T-34**
Designer **Lostuzzi design**
Builder **T-Yachts**
Age Date **06/2009**
Series Date **04/2009**
Offset File **T34-EST678.off**

HULL

Length Overall **9.990 m**
Maximum Beam **3.270 m**
Draft **2.095 m**
Displacement **4,525 kg**
DLR **5.5465**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.182%**
Age Allowance **0.390%**

PROPELLER

Installation **Strut**
Type **Folding 3 blades**
Diameter **0.382m**

CREW

Maximum weight **670 kg**
Minimum weight **503 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	34.39	35.12
Headsail Luffed	29.60	29.60
Headsail Flying		
Symmetric	97.50	97.50
Asymmetric	100.85	100.85

* All asymmetric spinnakers with SHW/SFL > 85%

SAIL LIMITATIONS

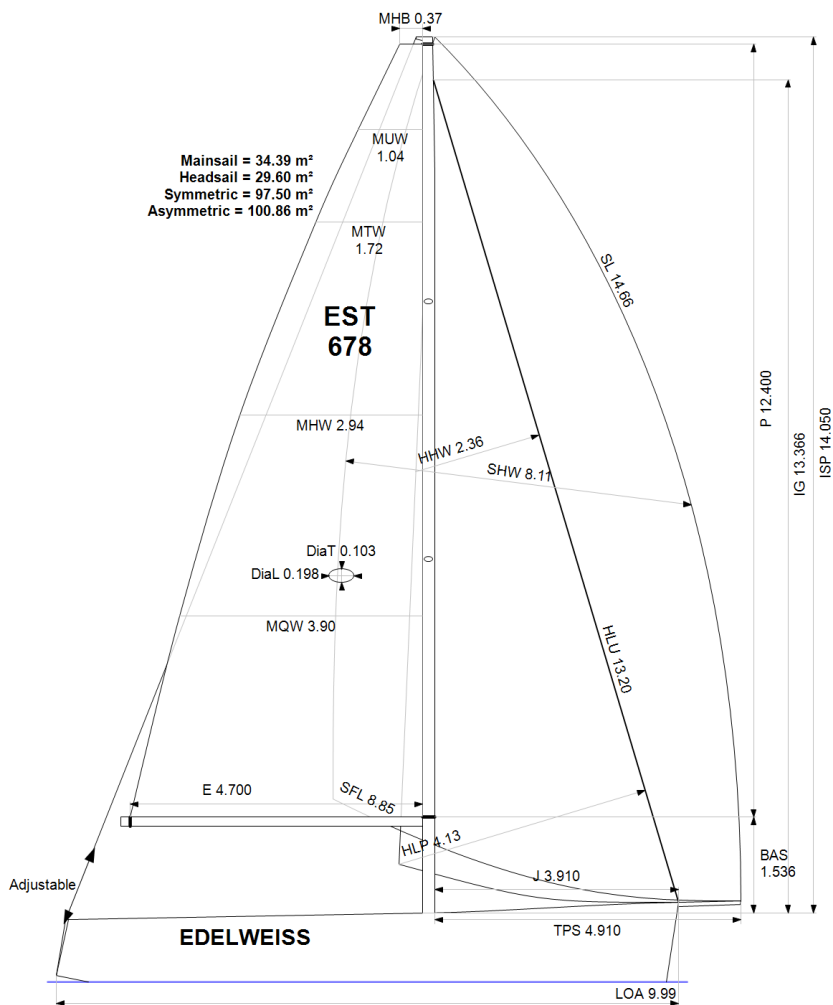
Headsails **5**
Spinnakers **4** * Asymmetric SHALL NOT be tacked on the pole

STABILITY

Righting Moment **106.9 kg·m**
Stability Index **124.3**

OWNER

The owner certifies that he/she understands his/her responsibilities under ORC Rule and Regulations.



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.1°	41.3°	40.5°	39.0°	38.4°	38.3°	38.6°
Beat VMG	3.31	4.02	4.59	4.93	5.05	5.10	5.18
52°	5.09	6.05	6.71	7.02	7.13	7.19	7.26
60°	5.40	6.35	6.91	7.19	7.34	7.40	7.46
75°	5.63	6.59	7.06	7.36	7.60	7.77	7.91
90°	5.67	6.75	7.24	7.43	7.68	8.00	8.48
110°	5.77	6.87	7.40	7.82	8.18	8.43	8.93
120°	5.60	6.76	7.32	7.78	8.31	8.81	9.48
135°	5.01	6.22	7.03	7.48	7.95	8.48	9.84
150°	4.21	5.31	6.32	7.04	7.45	7.88	8.90
Run VMG	3.64	4.60	5.47	6.20	6.80	7.26	8.07
Gybe Angles	144.0°	149.0°	149.5°	157.5°	180.0°	180.0°	180.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1088.9	895.6	784.2	729.7	712.6	706.3	694.9
52°	707.8	595.0	536.2	512.7	504.6	501.0	496.1
60°	667.2	566.5	521.0	500.5	490.7	486.5	482.9
75°	638.9	546.5	509.7	489.3	473.9	463.1	455.2
90°	634.8	533.1	497.1	484.6	468.5	450.2	424.7
110°	624.2	523.7	486.7	460.1	440.3	427.3	403.1
120°	643.3	532.7	491.6	462.5	433.5	408.8	379.7
135°	718.8	579.2	512.4	481.6	453.0	424.3	366.0
150°	855.9	678.5	569.7	511.4	483.0	456.9	404.6
Run VMG	988.3	783.4	657.9	580.2	529.7	496.0	446.2
Selected Courses							
Windward / Leeward	1038.6	839.5	721.0	655.0	621.2	601.2	570.5
All purpose	795.2	653.1	579.1	540.0	516.5	501.0	475.3

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	689.5	0.8702
All purpose	560.1	1.0713

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	611.1	0.9819
Triple Number Coastal/Long Distance Low	724.2	0.8285
Triple Number Coastal/Long Distance Medium	556.6	1.0780
Triple Number Coastal/Long Distance High	495.3	1.2115
Triple Number Windward/Leeward Low	939.1	0.6389
Triple Number Windward/Leeward Medium	683.9	0.8773
Triple Number Windward/Leeward High	594.7	1.0089

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1033.6	787.2	650.9	575.6	537.1	506.0	455.1

Data in meters/kilograms (Metric)

HULL AND APPENDAGES

Class	T-34	LOA	9.990	VCGD	-0.053
Measurement	24/05/2018	Max. Beam	3.270	VCGM	-0.083
Measurer		Draft	2.095	RM Measured (kg·m)	106.9
HIN		Displacement	4.525	RM Default (kg·m)	106.5
Plan review		Wetted area	24.33	Limit of positive stability(°)	123.6
Hull construction	Cored	IMS L	9.467	Stability Index	124.3
Carbon Rudder	Yes	LSM0	9.344		
Light stanchions	No	Acc. length	9.990		
Trim tab	No	Sink (kg/mm)	17.44		

PROPELLER

Propeller Type	Folding 3 blades	PRD	0.382	EDL	1.580	ST3	0.180
Installation	Strut	PBW	0.098	ST1	0.065	ST4	0.110
Twin screw	No			ST2	0.180	ST5	0.224
PIPA	0.0036						

RIG

Forestay tension	Aft	P	12.400	E	4.700
Inner stay	None Fitted	IG	13.366	J	3.910
Carbon mast	No	ISP	14.050	BAS	1.536
Headsail furler	No	MDT1	0.103	FSD	0.040
Mainsail furler	No	MDL1	0.198	SFJ	0.000
Articulated bowsprit	No	MDT2	0.103	SPL	4.080
Non-circular rigging	No	MDL2	0.155	TPS	4.910
Fiber rigging	No	TL	2.060	BD	0.150
Runners/Checkstays	0	MW	0.185	MWT	132.50
Spreaders	2	GO	0.207	MCG	4.900

FLOTATION AND STABILITY

Inclining Test	Poles Inclining	SFFP	0.550	SAFP	9.790	W1	67.5	PD1	529.6	WD	10.660
Flotation Date	07/06/2021	FFM	1.248	FAM	0.933	W2	67.5	PD2	530.6	PLM	9000.00
Measurer		FF	1.258	FA	0.938	W3	67.5	PD3	530.6	GSA	1.0
Comment		LCFcl	5.596	LCFsh	5.822	W4	67.5	PD4	529.4	RSA	1.0
		SG	1.0000	HBI	1.108						

MEASUREMENT INVENTORY

Id	Tank Type	Capacity	LCG	VCG	Condition	Description
1	Diesel PVC	61.0	4.90			12.0 Ports.
2	Water PVC	61.0	4.30			0.0 stb.
Id	Item Description	Weight	LCG	VCG		
1	Battery 100 Ah. stb		4.85			
2	Battery 100 Ah. stb		4.85			
1	Miscellaneous Autopilot Nexus ML40		9.60			
2	Miscellaneous Owen removed					



MAINSAIL

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Maker	Material	Comment
5a	0.37	1.04	1.72	2.94	3.90	34.39		30/06/2021	One sails	Unknown	P12,4;E4,70

HEADSAIL

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Btn	Flying	FT	Area	Measurer	Meas.Date	Maker	Material	Comment
7	0.11	0.69	1.31	2.36	3.27	4.13	13.20	Yes	No		29.60		13/04/2017		Carbon	
4	0.10	0.69	1.28	2.32	3.32	4.25	12.97	Yes	No		29.30		18/04/2015		Unknown	
9	0.11	0.70	1.32	2.32	3.25	4.09	13.02	Yes	No		28.98		24/05/2018		Unknown	
8	0.10	0.67	1.25	2.28	3.22	4.11	13.16	Yes	No		28.92		15/06/2016		Unknown	
5	0.09	0.66	1.25	2.24	3.22	4.20	12.98	Yes	No		28.57		18/04/2015		Unknown	
10	0.13	0.69	1.20	2.31	3.27	4.13	12.89	Yes	No		28.54		14/05/2021	OneSails	Unknown	
6	0.09	0.51	0.95	1.90	2.98	4.11	12.97	Yes	No		25.79		18/04/2015		Unknown	
11	0.04	0.71	1.43	2.60	3.34	3.64	9.95	No	Inner		22.40		15/06/2021	One Sails	Unknown	Stay sail

SYMMETRIC SPINNAKER

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Maker	Material	Comment
9	14.30	14.30	14.30	8.28	7.79	97.50		04/06/2020	North	Unknown	2020
8	13.34	13.34	13.34	8.09	8.31	90.42			North	Unknown	
5	13.44	13.44	13.44	7.83	7.20	86.28			North	Unknown	S2 2016
6	13.50	13.50	13.50	7.78	7.22	86.27			North	Unknown	S1,5 2016
7	13.60	13.60	13.60	7.20	7.60	82.51		16/06/2016	North	Unknown	S3 2016
3	13.44	13.44	13.44	7.27	7.27	81.42		24/07/2011		Unknown	
4	13.35	13.35	13.35	7.10	6.92	78.59		18/04/2015		Unknown	

ASYMMETRIC SPINNAKER

Id	SLU	SLE	SL	SHW	SFL	Ratio	Area	Measurer	Meas.Date	Maker	Material	Comment
1	15.74	13.57	14.66	8.11	8.85	92%	100.85		06/05/2020	OneSails	Unknown	