



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

Hungarian Yachting
Association
Istvanmezei ut 1-3
H-1146 Budapest
HUNGARY



Certificate

Number **031/16**
Issued On **22.6.2016.**
ORC Ref **HUN00063538**
VPP Ver. **2016 1.01**
Valid until **31.12.2016.**

Crew Weight

Declared **500kg**
Default* **617kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **638.6 0.9396**
Non Spin OSN **622.5 0.9639**
N/S Perf. Line **26.0 0.635**

Sails Limitations

Headsails **6** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes 105.12**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **9.066**

Stability

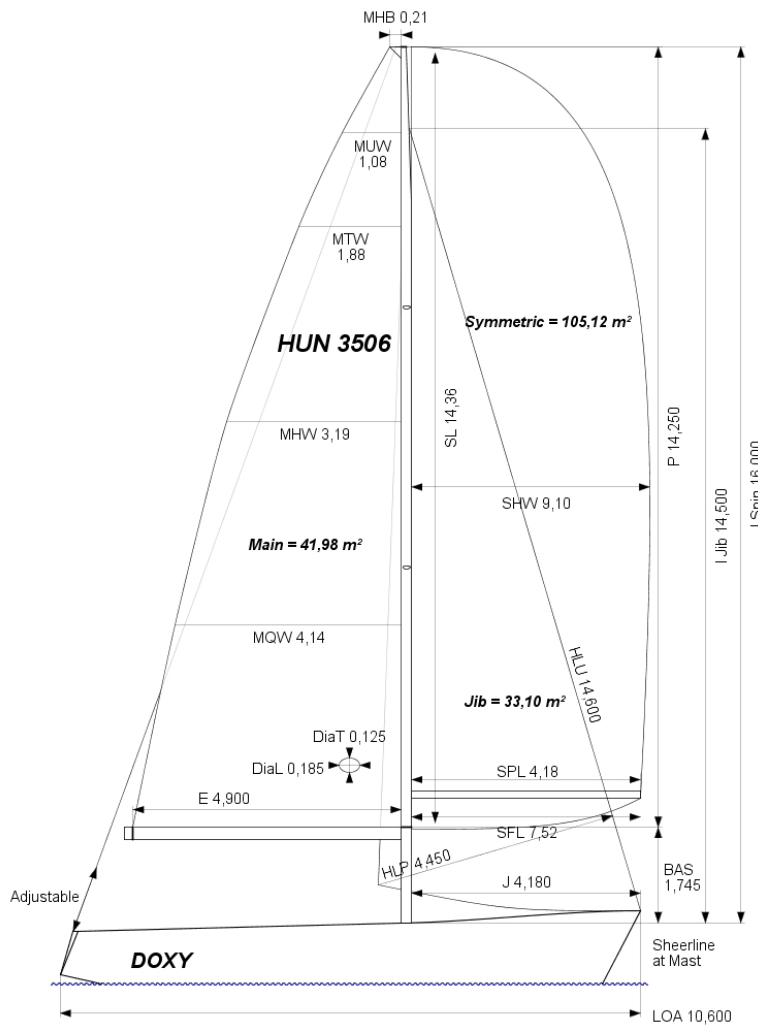
LPS (Estimated): **124.2°**
Stability Index: **125.2**
OSR Category: **N/A**

Owner

Attila Szaxon
Erdely Ferenc u. 24
2890 Tata
HUNGARY

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

Signature



BOAT		GPH		HULL			
Name	DoXy			Data File	HUN3506.dxt	LOA	10.600m
Sail Nr	HUN 3506			Offset File	X35SD.OFF	MB	3.250m
			606.2	Displacement	4,599kg	Draft	1.867m
CLASS				IMS Division	Cruiser/Racer	Dynamic All.	0.000%
Class	X-35 SD			Fwd Accom.	Yes	Construction	Cored
Designer	Jeppesen			Fiber Rigging	No	Aramid Core	No
Builder	X-Yachts			Crew Arm Ex		Carbon Rudder	No
Series	01.2005					Light Stanchions	No
Age Date	02.2010			IMSL	9.474m	VCGD	-0.098m
Age Allowance	0.358%			RL	8.656m	VCGM	-0.114m
				WS	22.99m²		
				LSM0	9.258m	Displacement/Length ratio	5.7958
COMMENTS				Water Ballast	0	Trim Tab	No
				CENTERBOARD			
							N/A
PROPELLER				SCORING OPTIONS			
Installation	Strut	PRD	0.415	OFFSHORE		INSHORE	
Type	Folding 2 blades	PBW	0.120	COASTAL / LONG DISTANCE		WINDWARD / LEEWARD	
		PIPA	0.0031				
				Time On Distance	591.5		660.6
				Time On Time	1.0144		1.0218
				Performance Line	PLT 0.728	PLD 62.3	PLT 0.972
							PLD 275.7
					Low	Medium	High
				Triple Number	0.9851	1.2499	1.3955
					Low	Medium	High
					0.7619	1.0183	1.1621



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ORC Club Certificate Appendix

BOAT

Name **DoXy** Certificate Number **031/16**
 Sail Nr **HUN 3506** Issued On **22.6.2016.**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1024.8	851.7	755.2	717.7	699.3	687.2	681.8
52°	665.8	559.9	513.8	499.3	492.7	489.1	482.0
60°	624.5	533.6	498.9	484.7	477.9	473.9	465.5
75°	590.4	516.4	487.2	467.7	454.1	447.0	441.1
90°	591.9	514.6	488.1	466.9	446.1	428.4	412.3
110°	599.7	509.8	475.5	454.3	439.7	425.7	402.7
120°	616.2	518.3	481.3	451.3	425.3	410.5	384.6
135°	680.6	555.7	500.9	471.8	443.2	414.9	354.8
150°	801.6	642.4	547.9	500.4	473.1	446.6	394.0
Run VMG	925.6	741.8	630.9	564.1	515.2	484.6	434.6

Selected Courses

Windward / Leeward	975.2	796.8	693.1	640.9	607.3	585.9	558.2
Circular Random	825.8	670.8	588.8	541.6	512.4	492.6	465.6
Ocean for PCS	1010.6	785.8	659.9	583.2	533.1	497.5	446.4
Non Spinnaker	884.2	712.0	619.3	565.1	531.5	509.3	480.6

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	43.7°	42.8°	41.4°	39.6°	39.3°	38.6°	39.1°
Beat VMG	3.51	4.23	4.77	5.02	5.15	5.24	5.28
52°	5.41	6.43	7.01	7.21	7.31	7.36	7.47
60°	5.76	6.75	7.22	7.43	7.53	7.60	7.73
75°	6.10	6.97	7.39	7.70	7.93	8.05	8.16
90°	6.08	7.00	7.38	7.71	8.07	8.40	8.73
110°	6.00	7.06	7.57	7.92	8.19	8.46	8.94
120°	5.84	6.95	7.48	7.98	8.46	8.77	9.36
135°	5.29	6.48	7.19	7.63	8.12	8.68	10.15
150°	4.49	5.60	6.57	7.19	7.61	8.06	9.14
Run VMG	3.89	4.85	5.71	6.38	6.99	7.43	8.28
Gybe Angles	144.7°	148.2°	152.1°	159.6°	180.0°	180.0°	180.0°