

BOAT Name Uniq2Go-Hangover Sail Nr TUR-1010	GPH 612.6	HULL Length Overall 10.150m Maximum Beam 3.314m Displacement 4,471kg Draft 2.098m IMS Reg. Division Performance Dynamic Allowance 0.116% Fwd Accommodation No Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class MAT 10.10 Designer MILLS Builder MAT TURKEY Series 01/2011 Age 01/2011 Age Allowance 0.228% Offset File MAT1010v.OFF - 15/04/2013 08:52:04 Measurement by KASS, SPIRIDELI - 17/04/2016		IMSL 9.242m VCGD -0.233m Sink 15.64kg/mm RL 8.637m VCGM -0.237m WS 22.53m² LSM0 8.841m Displacement/Length ratio 6.4699



World Leader in Rating Technology

2018
ORC International
Certificate

Rating Office

Offshore
Racing
Congress



World Leader in Rating Technology

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	595.7			662.6		
Time on Time	1.0073			1.0187		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	692.4	544.9	490.4	889.6	663.4	584.5
Time on Time	0.9749	1.2388	1.3764	0.7588	1.0175	1.1548

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1036.0	852.2	756.6	718.5	703.4	697.5	685.2
52°	685.3	572.0	525.0	507.6	501.2	498.2	492.0
60°	650.9	549.7	511.9	495.5	487.8	483.9	479.1
75°	625.4	535.4	502.2	483.9	470.3	461.0	454.1
90°	607.4	521.0	497.6	481.6	463.9	447.4	424.5
110°	600.5	511.9	480.6	459.8	445.4	432.8	410.2
120°	616.9	519.6	483.4	455.7	430.9	414.7	389.4
135°	681.3	553.4	500.4	471.3	442.2	414.2	360.2
150°	803.3	642.9	546.2	499.5	472.6	445.9	394.5
Run VMG	927.5	742.4	629.4	562.6	515.9	485.9	436.0

Certificate
Number **043/18**
ORC Ref **TUR10015153**
Issued On **30/07/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight
Default 577kg
Maximum **500kg**
Minimum* **375kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	655.3	0.9156
Non Spin OSN	634.8	0.9452

Selected Courses							
Windward / Leeward	981.8	797.3	693.0	640.5	609.6	591.7	560.6
Circular Random	835.5	677.7	594.7	547.4	518.5	499.1	471.5
Coastal / Long Distance	976.3	749.5	629.4	565.7	530.0	501.8	453.6
Non Spinnaker	915.1	733.0	634.7	577.6	542.5	519.4	489.9

Sails Limitations

Headsails	5	Spinnakers	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	42.1°	40.9°	39.8°	38.5°	38.2°	38.0°	37.9°
Beat VMG	3.47	4.22	4.76	5.01	5.12	5.16	5.25
52°	5.25	6.29	6.86	7.09	7.18	7.23	7.32
60°	5.53	6.55	7.03	7.26	7.38	7.44	7.51
75°	5.76	6.72	7.17	7.44	7.65	7.81	7.93
90°	5.93	6.91	7.23	7.48	7.76	8.05	8.48
110°	6.00	7.03	7.49	7.83	8.08	8.32	8.78
120°	5.84	6.93	7.45	7.90	8.35	8.68	9.24
135°	5.28	6.50	7.19	7.64	8.14	8.69	9.99
150°	4.48	5.60	6.59	7.21	7.62	8.07	9.13
Run VMG	3.88	4.85	5.72	6.40	6.98	7.41	8.26
Gybe Angles	142.1°	147.9°	151.6°	159.1°	180.0°	180.0°	180.0°

Class Division Length
CDL = **8.940**

Storm Sails Areas
Heavy Weather Jib **27.17**
Storm Jib (JL=9.22) **10.06**
Storm Trysail **10.68**

Owner

BOAT			
Name	Uniq2Go-Hangover	Sail Nr	TUR-1010
File	TUR1010	Data in	meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date		17/04/2016	SG 1.0280
FFM	1.302	FF	1.301 SFFP 0.390
FAM	1.032	FA	1.032 SAFP 10.019
W1	60.9	PD1	270.0 WD 10.720
W2	60.9	PD2	270.0 GSA 78.5
W3	60.9	PD3	270.0 RSA 9053.3
W4	60.9	PD4	270.0 PLM 2217.0
LCF from stem on CL / on sheer		5.486 / 5.698	
Maximum beam station from stem		6.838	
RM Measured		93.0kg-m	
RM Default		93.2kg-m	
Limit of positive stability / Stab.Index		138.2° / 138.1	
Freeboard at mast at 4.080		1.171	



World Leader in Rating Technology

2018
IMS Measurement
Certificate

Certificate	
Number	043/18
ORC Ref	TUR10015153
Issued On	30/07/2018
VPP Ver.	2018 1.00
Valid until	31/12/2018

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	13.380	E	4.560 MDT1 0.102 MW 0.186
IG	13.688	J	3.820 MDL1 0.186 GO 0.320
ISP	15.128	SFJ	0.260 MDT2 0.102 BD 0.220
BAS	1.778	SPL	4.520 MDL2 0.150 MWT
FSP	0.058	TPS	4.080 TL 1.135 MCG

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Strut	PRD	0.397
Type	Folding 2 blades	PBW	0.127
Twin Screw	No	PIPA	0.0032
ST1	0.040	ST3	0.180 ST5 0.235
ST2	0.180	ST4	0.110 EDL 1.920

COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.164	0.97	1.77	2.97	3.87	36.71	37.45	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL			SL · (SFL + 4·SHW) / 6	
	15.07	15.07	15.07	8.70	8.19	107.98			
Asymmetric	SLU	SLE	SL	SHW	SFL			AS · (SFL + 4·SHW) / 6	
	15.45	13.53	14.49	8.43	8.55	102.08			

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
0.08	0.60	1.15	2.10	3.00	4.02	13.25	27.39	Y		29/07/2018	Kevlar	LIGHT
0.08	0.61	1.15	2.09	2.97	4.01	13.22	27.20	Y		29/07/2018	Kevlar	MEDIUM
0.13	0.60	1.11	2.07	3.05	3.99	13.16	27.14	Y		17/04/2016	Unknow	
0.09	0.49	0.91	1.81	2.75	3.71	11.75	21.65			04/07/2016	Unknow	Code 3

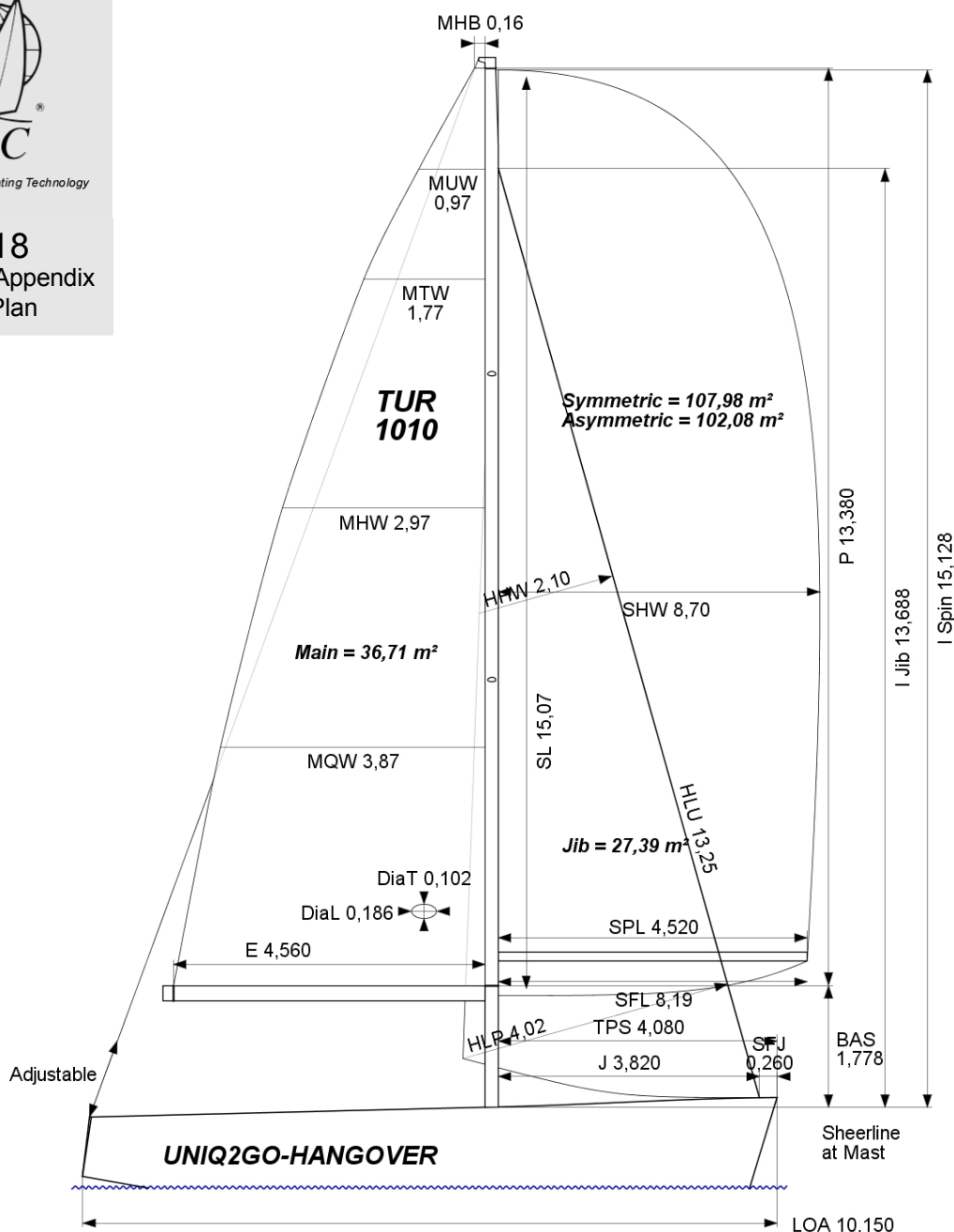
MEASUREMENT INVENTORY				
Measurer KASSIOTIS GRE-116				
Date 17/04/2016				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Weight Description		

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
1	Tank	FUEL	PVC hard	56.0	7.43	0.00	0-0	
2	Tank	WATER	PVC soft	80.0	7.33	-0.10	0-0	
3	Tank	WASTE	PVC hart	50.0	3.00	0.50	0-0	
Id	Item	Weight	Distance	VCG Description				
1	Battery	20.0	7.13	-0.15 BATTERY 100 Ah				
2	Battery	20.0	7.13	-0.15 BATTERY 100 Ah				



World Leader in Rating Technology

2018
Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (3)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
3	0.164	0.97	1.77	2.97	3.87	36.71	SPIRIDELI	29/07/2018	OLIMPIC	Kevlar	
1	0.200	0.99	1.74	2.92	3.80	36.29	KASSIOTIS	17/04/2016	1ONE	Unknown	Aramid

HEADSAILS (4)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
6	0.08	0.60	1.15	2.10	3.00	4.02	13.25	105%	27.39	Y		SPIRIDEL	29/07/2018	OLIMPIC	Kevlar	LIGHT
5	0.08	0.61	1.15	2.09	2.97	4.01	13.22	105%	27.20	Y		SPIRIDEL	29/07/2018	OLIMPIC	Kevlar	MEDIUM
3	0.13	0.60	1.11	2.07	3.05	3.99	13.16	104%	27.14	Y		KASSIOTI	17/04/2016	1ONE	Unknow	
4	0.09	0.49	0.91	1.81	2.75	3.71	11.75	97%	21.65			SFAKIAN	04/07/2016		Unknow	Code 3

SYMMETRIC SPINNAKERS (4)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
4	15.07	15.07	15.07	8.70	8.19	107.98	SPIRIDELI	29/07/2018		Nylon	S2
2	15.40	15.38	15.39	7.97	7.67	101.45	KASSIOTIS	17/04/2016	QUANTUM	Unknown	
1	15.10	15.06	15.08	8.10	7.85	101.16	KASSIOTIS	17/04/2016		Unknown	
3	13.60	13.58	13.59	6.78	7.50	78.41	KASSIOTIS	17/04/2016	QUANTUM	Unknown	

ASYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
3	15.45	13.53	14.49	8.43	8.55	102.08	asym	KASSIOTIS	17/04/2016		Unknown	
2	15.40	13.25	14.32	8.38	8.43	100.16	asym	KASSIOTIS	17/04/2016		Unknown	
1	15.06	14.22	14.64	5.42	7.22	70.52	asym	KASSIOTIS	17/04/2016	1ONE	Unknown	