



2020
ORC Club
Certificate

Rating Office
Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας



Certificate
 Number **00193**
 Issued On **10/06/2020**
 ORC Ref **03420000KC4**
 VPP Ver. **2020 1.02**
 Valid until **28/02/2021**

Crew Weight

Default	648kg
Maximum	420kg
Minimum*	315kg

**when applied by the NoR and SI*
 Non Manual Pwr **No**

Special Scoring

ToD	ToT
Non Spin GPH 758.4	0.7911
Non Spin OSN 730.8	0.8210

Sails Limitations

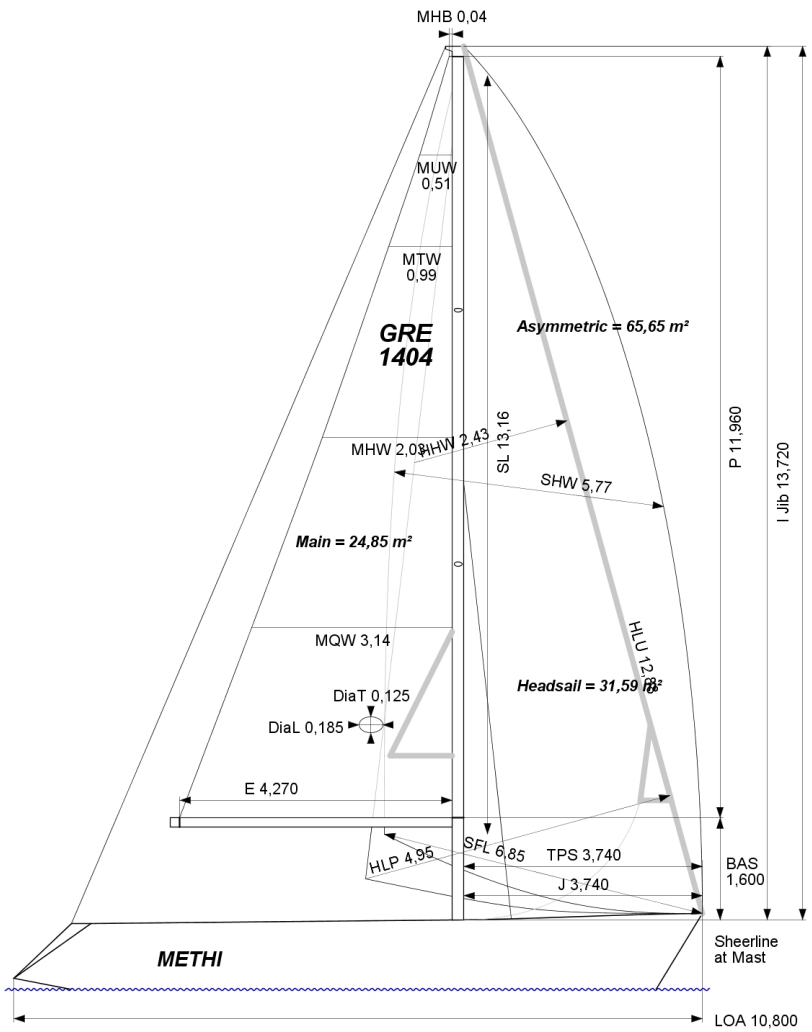
Headsails **1** Spinnakers **4**
Woven Polyester
Asymmetric on centerline

Spinnaker configuration
 Symmetric: **No**
 Asymmetric: **Yes 65.65**
 Flying H/S: **No**
 Spin. Pole: **No**

Class Division Length
CDL = 7.705

Stability (Estimated)
 Limit Positive Stab.: **111.0°**
 Stability Index: **113.1**

Owner



BOAT Name METHI Sail Nr GRE-1404		GPH 724.9	HULL Data File GR1404 LOA 10.800m Offset File ISUND36.OFF MB 3.720m Displacement 6,855kg Draft 1.580m					
CLASS Class SUN ODYSSEY 36 Designer J&J/ANDRIEU Builder JEANNEAU Series 01/1989 Age Date 01/1993 Age Allowance 0.487%			IMS Division Cruiser/Racer Dynamic All. 0.491% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No			IMSL 9.498m VCGD 0.125m Sink 19.69kg/mm RL 5.911m VCGM 0.098m WS 27.14m² LSM0 9.589m Displacement/Length ratio 7.7748		
COMMENTS ex "YULI III"			Water Ballast 0 Trim Tab No BLR Index 0.0000			CENTERBOARD NA		
PROPELLER Installation Shaft exposed PRD 0.408 Type Feathering 3 blades PBW 0.090 PIPA 0.0050								
SCORING OPTIONS								
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD				
Time on Distance	703.0			797.7				
Time on Time	0.8535			0.8462				
Triple Number	Low	Medium	High	Low	Medium	High		
Time on Distance	858.0	636.6	548.7	1120.9	811.9	673.0		
Time on Time	0.7867	1.0603	1.2301	0.6022	0.8314	1.0029		

BOAT	
Name METHI File GR1404	Sail Nr GRE-1404 Data in meters/kilograms
RIG	
Forestay Tension Fixed	Spreaders 2
Inner Stay Fixed	Runners/Checkstays 0
Carbon Mast No	Jib Furler Yes
Fiber Rigging No	Main Furler Yes
Non-Circular Rigging No	
Articulated Bowsprit No	
P 11.960	E 4.270 MDT1 0.125 MW
IG 13.720	J 3.740 MDL1 0.185 GO
ISP 13.720	SFJ 0.000 MDT2 BD
BAS 1.600	SPL MDL2 MWT
FSD 0.025	TPS 3.740 TL 0.000 MCG

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 18/04/2010		SG	
FFM 1.150	FF 1.178	SFFP 0.605	
FAM 1.036	FA 1.026	SAFP 9.588	
LCF from stem on CL / on sheer		5.906 / 6.160	
Maximum beam station from stem		6.869	
RM Measured		135.4kg-m	
RM Default		133.1kg-m	
Limit of positive stability / Stab.Index		111.0° / 113.1	
Freeboard at mast at 3.740		1.089	



ORC
Offshore Racing Congress
World leader in rating technology

2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0.408		
Type Feathering 3 blades	PBW 0.090		
Twin Screw No	PIPA 0.0050		
PSA 16.000	PHL 0.001	ST3 0.091	ESL 0.990
PSD 0.025	ST1 0.021	ST4 0.046	
PHD 0.076	ST2 0.076	ST5 0.210	

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COMMENTS	
ex "YULI III"	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	0.04	0.51	0.99	2.03	3.14	24.86		18/04/2010		Dacron						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
3	0.06	0.60	1.20	2.43	3.68	4.95	12.88	132%	31.59		No		24/03/2012	KAKITSIS	Dacron	
2		0.54	1.06	2.27	3.54	4.98	13.00	133%	30.71		No		18/04/2010		Dacron	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
2	13.72	12.60	13.16	5.77	6.85	65.65	asy85		18/04/2010		Unknown					

MEASUREMENT INVENTORY				
Measurer GRE-37				
Date 18/04/2010				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
2	Anchor	12.0	9.00	10m 8mm chain
4	Anchor	12.0	0.20	50m 8mm chain
2	Chain	14.0	9.00	10m, 8mm
4	Chain	70.0	0.20	50m, 8mm
Id	Item	Maker	Model	
1	Engine	YANMAR	3GM30	
Id	Item	Weight	Description	

MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
4	Tank	WASTE	PLASTIC	60.0	7.00		
3	Tank	FUEL	INOX	150.0	4.10		
2	Tank	WATER	INOX	200.0	9.00		
1	Tank	WATER	INOX	200.0	9.00		
Id	Item	Weight	Distance	VCG Description			
2	Battery		7.00	100Ah			
1	Battery		7.00	100 Ah			

2020

ORC Club Certificate Appendix

BOAT	
Name	METHI
Certificate Number	00193
Sail Nr	GRE-1404
Issued On	10/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1325.9	1081.9	954.0	868.5	805.6	772.3	765.7
52°	839.7	699.8	621.9	567.7	537.3	522.2	514.9
60°	779.7	658.0	584.9	541.4	518.9	506.3	496.9
75°	740.9	627.0	557.6	523.1	504.6	492.1	475.0
90°	743.7	614.6	538.8	505.3	487.8	476.3	464.5
110°	736.8	606.7	533.1	501.0	481.4	464.0	432.6
120°	765.9	627.8	544.9	506.9	485.7	467.6	432.7
135°	855.2	687.6	589.5	529.6	500.7	481.7	447.2
150°	1006.3	791.1	675.4	597.2	550.1	519.5	485.2
Run VMG	1162.0	913.5	779.9	689.6	635.3	579.7	511.2
Selected Courses							
Windward / Leeward	1244.0	997.7	867.0	779.1	720.4	676.0	638.5
Circular Random	1022.5	816.1	702.3	633.7	590.4	562.2	530.3
Coastal / Long Distance	1235.8	932.8	769.3	661.4	600.1	556.6	501.5
Non Spinnaker	1087.1	860.5	733.7	656.2	606.5	574.2	538.6

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	46.5°	44.6°	43.5°	43.1°	42.9°	42.2°	42.4°
Beat VMG	2.72	3.33	3.77	4.14	4.47	4.66	4.70
52°	4.29	5.14	5.79	6.34	6.70	6.89	6.99
60°	4.62	5.47	6.15	6.65	6.94	7.11	7.25
75°	4.86	5.74	6.46	6.88	7.13	7.32	7.58
90°	4.84	5.86	6.68	7.12	7.38	7.56	7.75
110°	4.89	5.93	6.75	7.18	7.48	7.76	8.32
120°	4.70	5.73	6.61	7.10	7.41	7.70	8.32
135°	4.21	5.24	6.11	6.80	7.19	7.47	8.05
150°	3.58	4.55	5.33	6.03	6.54	6.93	7.42
Run VMG	3.10	3.94	4.62	5.22	5.67	6.21	7.04
Gybe Angles	145.0°	146.0°	146.0°	145.5°	147.5°	173.0°	177.0°