

BOAT Name MELTEMI Sail Nr GRE-1701	GPH 583.9	HULL Length Overall 11.998m Maximum Beam 4.372m Displacement 7,633kg Draft 2.200m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.172% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class RM 1260 Designer MARC LOMBARD Builder RM YACHTS Series 01/2012 Age 07/2014 Age Allowance 0.228% Offset File RM1260.off - 13/03/2015 00:29:28 Measurement by - 11/07/2014		IMSL 11.338m VCGD 0.258m Sink 27.21kg/mm RL 9.534m VCGM 0.270m WS 34.03m² LSM0 11.088m Displacement/Length ratio 5.5993



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	568.0			642.1		
Time on Time	1.0563			1.0512		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	670.2	516.3	463.4	870.3	643.0	568.7
Time on Time	1.0072	1.3074	1.4566	0.7756	1.0498	1.1870

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1012.6	831.7	731.2	683.9	666.6	660.2	656.8
52°	653.1	548.8	493.3	469.4	461.2	457.6	455.6
60°	612.5	521.3	476.7	456.4	447.2	443.2	441.3
75°	582.2	501.2	465.1	445.7	431.2	421.0	413.8
90°	588.6	494.9	456.2	443.5	427.3	410.7	386.7
110°	581.2	484.7	446.2	421.8	403.5	391.7	371.1
120°	594.8	492.9	450.9	424.6	398.5	376.1	349.9
135°	665.7	536.4	471.4	441.5	416.4	391.4	341.4
150°	789.8	627.9	531.1	476.5	451.8	433.1	392.7
Run VMG	912.0	725.0	613.2	550.2	520.3	486.8	437.7

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Number **001056**
ORC Ref **GRE01015236**
Issued On **19/03/2019**
VPP Ver. **2019 1.01**
Valid until **28/02/2020**

Crew Weight

Default **798kg**
Maximum **700kg**
Minimum* **525kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	592.3	1.0131
Double H.OSN	577.1	1.0397
Non Spin GPH	623.6	0.9622
Non Spin OSN	606.0	0.9901

Selected Courses							
Windward / Leeward	962.3	778.4	672.2	617.1	593.4	573.5	547.3
Circular Random	804.4	649.0	566.2	518.9	490.3	471.7	447.5
Coastal / Long Distance	957.2	729.6	604.6	535.7	500.9	471.2	423.9
Non Spinnaker	877.5	700.5	603.8	546.6	511.2	488.2	460.3

Sails Limitations

Headsails	Spinnakers
6	4

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	44.0°	42.5°	41.3°	40.5°	39.8°	39.6°	39.9°
Beat VMG	3.56	4.33	4.92	5.26	5.40	5.45	5.48
52°	5.51	6.56	7.30	7.67	7.81	7.87	7.90
60°	5.88	6.91	7.55	7.89	8.05	8.12	8.16
75°	6.18	7.18	7.74	8.08	8.35	8.55	8.70
90°	6.12	7.27	7.89	8.12	8.43	8.77	9.31
110°	6.19	7.43	8.07	8.54	8.92	9.19	9.70
120°	6.05	7.30	7.98	8.48	9.03	9.57	10.29
135°	5.41	6.71	7.64	8.15	8.64	9.20	10.54
150°	4.56	5.73	6.78	7.55	7.97	8.31	9.17
Run VMG	3.95	4.97	5.87	6.54	6.92	7.40	8.22
Gybe Angles	143.5°	147.3°	148.0°	150.0°	151.3°	175.4°	177.6°

Class Division Length

CDL = **10.437**

Storm Sails Areas

Heavy Weather Jib **37.47**
Storm Jib (JL=10.83) **13.88**
Storm Trysail **14.37**

Owner

BOAT	
Name MELTEMI File GR1701	Sail Nr GRE-1701 Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay Fixed	Runners 1
Carbon Mast Yes	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 16.100	E 5.100 MDT1 0.130 MW 0.240
IG 16.616	J 5.302 MDL1 0.240 GO 0.254
ISP 17.906	SFJ 0.000 MDT2 0.124 BD 0.220
BAS 1.463	SPL 0.220 MWT 183.20
FSP 0.082	TPS 6.447 TL 1.000 MCG 6.249

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 19/03/2015		SG 1.0265
FFM 1.615	FF 1.616	SFFP 0.720
FAM 1.299	FA 1.299	SAFP 11.850
W1 115.0	PD1 569.7	WD 14.085
W2 115.0	PD2 567.4	GSA 1.0
W3 115.0	PD3 563.6	RSA 1.0
W4 115.0	PD4 564.7	PLM 9000.0
LCF from stem on CL / on sheer		6.727 / 7.042
Maximum beam station from stem		8.619
RM Measured		225.2kg-m
RM Default		216.5kg-m
Limit of positive stability / Stab.Index		109.6° / 107.6
Freeboard at mast at 5.302		1.427



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.414	
Type Folding 3 blades	PBW 0.108	
Twin Screw No	PIPA 0.0040	
ST1 0.064	ST3 0.180 ST5 0.285	
ST2 0.180	ST4 0.108 EDL 2.560	

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.230	1.14	1.91	3.15	4.14	47.90	48.61	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area	Formula		
	19.34	16.28	17.81	10.10	10.62	151.44	AS · (SFL + 4·SHW) / 6		

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HBB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.05	0.69	1.38	2.86	4.48	6.25	16.33	48.68			11/07/2014	Carbon	
0.05	0.73	1.41	2.70	3.81	4.80	11.17	28.69	N	Y	21/08/2015	Unknow	
0.08	0.58	1.11	2.25	3.48	4.84	11.35	26.48	N	Y	22/07/2014	Unknow	

MEASUREMENT INVENTORY				
Measurer GRE-21				
Date 19/03/2015				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	VOLVO PENTA	D2-40F (37	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>

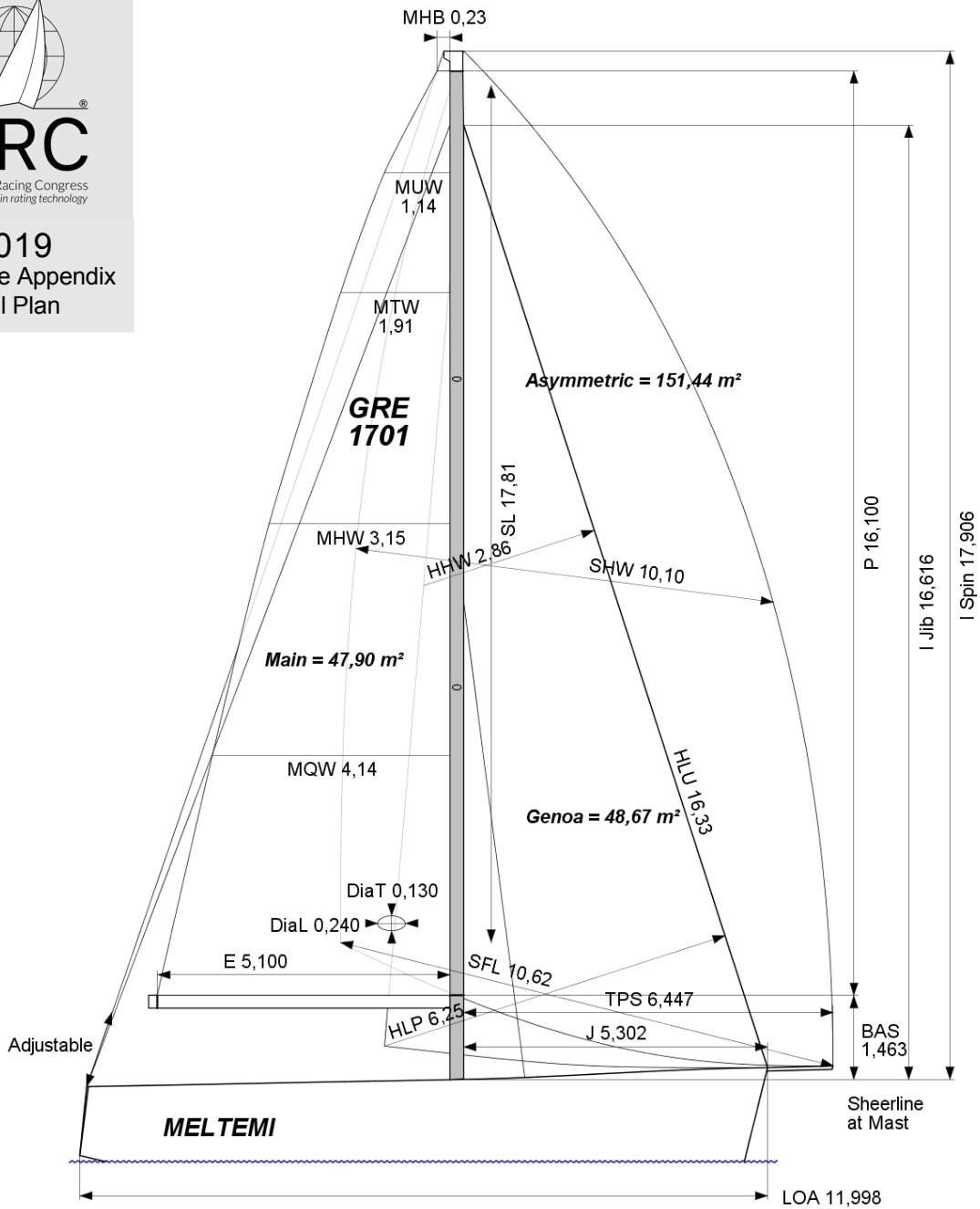
MEASUREMENT INVENTORY									
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>	
1	Tank	FUEL	PVC hard	120.0	5.90	-0.20	30-0	2 x 60 L (P & S)	
2	Tank	WATER	PVC hard	200.0	2.30		0-0	BOW	
3	Tank	WATER	PVC hard	200.0	7.40		0-0	2 x 100 L (CENTER)	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>					
1	Battery		6.00	102 Ah (P)					
2	Battery		6.00	102 Ah (S)					
3	Battery		5.80	45 Ah (S)					
4	Battery		11.00	75 Ah (C)					
1	Misc		0.60	ANCHOR WINDLASS					
2	Misc		10.00	WATER HEATER (30L) (AFT PORT)					
3	Misc		10.50	CHARGER (AFT STRB)					
4	Misc			GENOA FURLER					



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.23	1.14	1.91	3.15	4.14	47.90		11/07/2014	QUANTUM	Carbon	

HEADSAILS (3)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.05	0.69	1.38	2.86	4.48	6.25	16.33	118%	48.68				11/07/2014	QUANTUM	Carbon	
3	0.05	0.73	1.41	2.70	3.81	4.80	11.17	91%	28.69	N	Y		21/08/2015	QUANTUM	Nylon	Unknow
2	0.08	0.58	1.11	2.25	3.48	4.84	11.35	91%	26.48	N	Y		22/07/2014	QUANTUM	Nylon	Unknow

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
2	19.34	16.28	17.81	10.10	10.62	151.45	asym		16/10/2015	QUANTUM	Nylon	
1	18.80	16.63	17.71	9.57	10.00	142.55	asym		17/07/2014	QUANTUM	Nylon	