

**GPH = 736.9**    **CDL = 5.792**

**BOAT**

Class **Mintonner**  
Designer **Fontana/Maletto/Na**  
Builder **Cramar**  
Age Date **04/1981**  
Series Date **04/1981**  
Offset File **19367.off**

**HULL**

Length Overall **7.038 m**  
Maximum Beam **2.498 m**  
Draft **1.446 m**  
Displacement **917 kg**  
DLR **5.9123**  
IMS Division **Sportboat**  
Dynamic Allowance **0.002%**  
Age Allowance **0.487%**

**PROPELLER**

Installation **No Propeller**  
Type **N/A**  
Diameter **N/A**

**CREW**

Maximum weight **220 kg**  
Minimum weight **135 kg \* when applied**  
Non Manual Power **No**  
Crew Arm Extension

**SAIL AREAS (m<sup>2</sup>)**

	Measured	Rated
Mainsail	<b>15.06</b>	<b>15.38</b>
Headsail Luffed	<b>12.22</b>	<b>12.22</b>
Headsail Flying		
Symmetric	<b>27.80</b>	<b>27.80</b>
Asymmetric		

**SAIL LIMITATIONS**

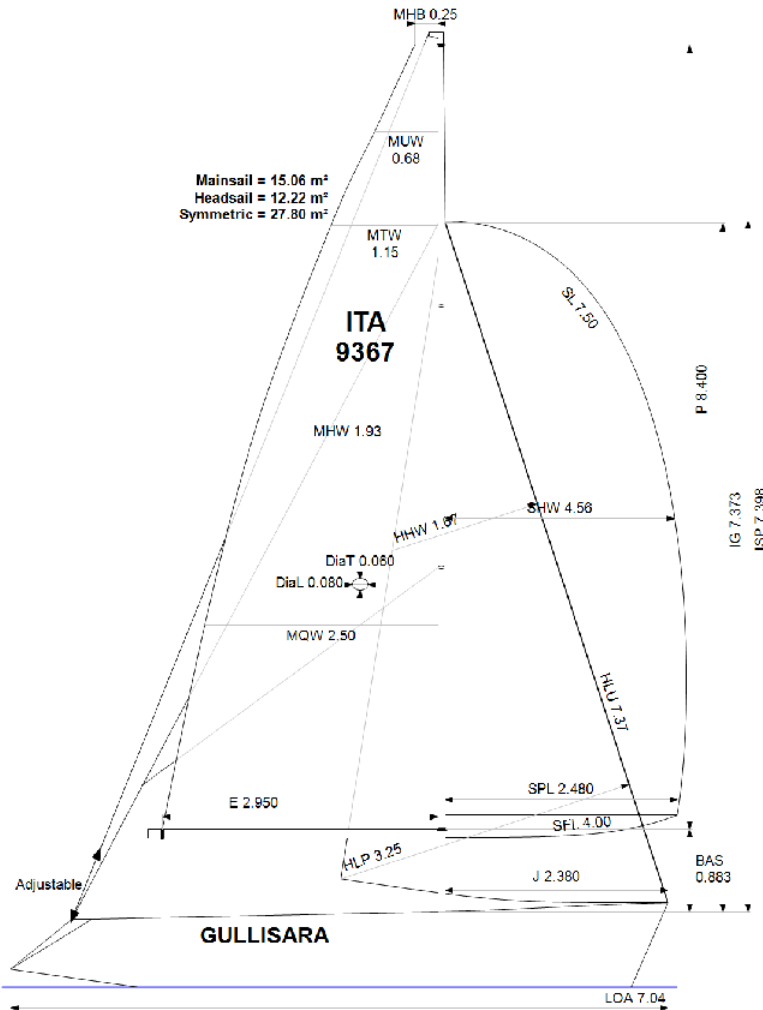
Headsails **5**  
Spinnakers **4**

**STABILITY**

Righting Moment **15.2 kg·m**  
Stability Index **89.8**

**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	42.0°	41.3°	39.4°	38.8°	39.0°	39.8°	41.4°
Beat VMG	3.06	3.63	4.01	4.11	4.12	4.09	4.02
52°	4.62	5.35	5.69	5.82	5.86	5.87	5.90
60°	4.86	5.53	5.84	6.02	6.09	6.12	6.17
75°	5.03	5.65	5.99	6.28	6.45	6.53	6.57
90°	4.97	5.71	6.13	6.39	6.68	6.89	7.08
110°	4.91	5.73	6.22	6.66	7.02	7.30	7.81
120°	4.73	5.62	6.11	6.58	7.02	7.50	8.54
135°	4.23	5.16	5.82	6.26	6.70	7.16	8.60
150°	3.58	4.52	5.32	5.87	6.29	6.70	7.65
Run VMG	3.10	3.91	4.65	5.32	5.82	6.21	6.99
Gybe Angles	148.5°	152.0°	155.0°	174.0°	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	1178.0	990.5	897.7	875.4	874.2	879.4	896.1
52°	780.0	672.3	632.5	618.8	614.4	613.4	610.6
60°	741.2	651.4	616.3	598.0	591.0	588.1	583.3
75°	715.1	636.7	600.6	573.1	558.0	551.5	548.0
90°	723.7	630.7	587.4	563.0	539.2	522.5	508.7
110°	732.6	627.8	578.9	540.5	512.6	492.8	461.0
120°	760.8	640.9	589.0	547.2	512.9	479.8	421.7
135°	851.8	697.5	619.1	574.9	537.1	502.6	418.5
150°	1005.2	797.2	677.3	612.9	572.2	537.4	470.4
Run VMG	1160.7	919.9	774.8	676.2	618.7	579.3	514.9
Selected Courses							
Windward / Leeward	1169.3	955.2	836.2	775.8	746.5	729.4	705.5
All purpose	901.2	754.4	679.6	641.0	617.0	601.3	576.1

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	811.5	0.7394
All purpose	661.1	0.9076

### Custom scoring options for Italy

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	718.7	0.8349
Triple Number Coastal/Long Distance Low	827.7	0.7249
Triple Number Coastal/Long Distance Medium	657.3	0.9128
Triple Number Coastal/Long Distance High	595.8	1.0071
Triple Number Windward/Leeward Low	1062.3	0.5648
Triple Number Windward/Leeward Medium	803.5	0.7467
Triple Number Windward/Leeward High	724.7	0.8279

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1168.5	900.2	759.6	684.1	642.3	606.4	541.1



Data in meters/kilograms (Metric)

**HULL AND APPENDAGES**

Class	<b>Mintonner</b>	LOA	<b>7.038</b>	VCGD	<b>0.209</b>
Measurement	<b>05/04/2018</b>	Max. Beam	<b>2.498</b>	VCGM	<b>0.215</b>
Measurer		Draft	<b>1.446</b>	RM Measured (kg·m)	<b>15.2</b>
HIN		Displacement	<b>917</b>	RM Default (kg·m)	<b>19.7</b>
Plan review		Wetted area	<b>8.75</b>	Limit of positive stability(°)	<b>98.6</b>
Hull construction	<b>Solid</b>	IMS L	<b>5.772</b>	Stability Index	<b>89.8</b>
Carbon Rudder	<b>Yes</b>	LSM0	<b>5.373</b>		
Light stanchions	<b>No</b>	Acc. length	<b>7.038</b>		
Trim tab	<b>No</b>	Sink (kg/mm)	<b>6.62</b>		

**PROPELLER**

Propeller Type **No Propeller**  
PIPA **0.0000**

**RIG**

Forestay tension	<b>Aft</b>	P	<b>8.400</b>	E	<b>2.950</b>
Inner stay	<b>None Fitted</b>	IG	<b>7.373</b>	J	<b>2.380</b>
Carbon mast	<b>No</b>	ISP	<b>7.398</b>	BAS	<b>0.883</b>
Headsail furler	<b>No</b>	MDT1	<b>0.060</b>	FSD	<b>0.026</b>
Mainsail furler	<b>No</b>	MDL1	<b>0.080</b>	SFJ	
Articulated bowsprit	<b>No</b>	MDT2	<b>0.047</b>	SPL	<b>2.480</b>
Non-circular rigging	<b>No</b>	MDL2	<b>0.055</b>	TPS	
Fiber rigging	<b>No</b>	TL	<b>2.020</b>	BD	<b>0.094</b>
Runners/Checkstays	<b>2</b>	MW	<b>0.080</b>	MWT	<b>28.80</b>
Spreaders	<b>2</b>	GO	<b>0.080</b>	MCG	<b>3.080</b>

**FLOTATION AND STABILITY**

Inclining Test	<b>Poles Inclining</b>	SFFP	<b>0.445</b>	SAFP	<b>6.164</b>	W1	<b>14.3</b>	PD1	<b>526.2</b>	WD	<b>7.115</b>
Flotation Date	<b>27/10/2016</b>	FFM	<b>0.888</b>	FAM	<b>0.665</b>	W2	<b>14.3</b>	PD2	<b>525.8</b>	PLM	<b>9000.00</b>
Measurer		FF	<b>0.893</b>	FA	<b>0.668</b>	W3	<b>14.3</b>	PD3	<b>525.7</b>	GSA	<b>1.0</b>
Comment	<b>Canottieri Lecco</b>	LCFd	<b>3.419</b>	LCFsh	<b>3.628</b>	W4	<b>14.3</b>	PD4	<b>526.9</b>	RSA	<b>1.0</b>
		SG	<b>1.0000</b>	HBI	<b>0.809</b>						

**MEASUREMENT INVENTORY**

Id	Item Description	Weight	LCG	VCG
<b>A</b>	<b>Battery</b>	<b>11.5</b>	<b>2.10</b>	<b>0.00</b>



International  
Certificate  
2021

Boat  
**GULLISARA**  
ITA-9367

Offshore  
Racing  
Congress

Certificate number: 93671



#### MAINSAIL

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Maker	Material	Comment
<b>A</b>	<b>0.25</b>	<b>0.68</b>	<b>1.15</b>	<b>1.93</b>	<b>2.50</b>	<b>15.06</b>		<b>05/04/2018</b>			

#### HEADSAIL

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Btn	Flying	FT	Area	Measurer	Meas.Date	Maker	Material	Comment
<b>C</b>	<b>0.07</b>	<b>0.46</b>	<b>0.85</b>	<b>1.67</b>	<b>2.47</b>	<b>3.25</b>	<b>7.37</b>	<b>No</b>	<b>No</b>		<b>12.22</b>		<b>05/05/2016</b>	<b>North</b>	<b>Unknown</b>	
<b>A</b>	<b>0.09</b>	<b>0.44</b>	<b>0.83</b>	<b>1.61</b>	<b>2.41</b>	<b>3.22</b>	<b>7.33</b>	<b>No</b>	<b>No</b>		<b>11.89</b>		<b>14/03/2016</b>			
<b>B</b>	<b>0.07</b>	<b>0.39</b>	<b>0.72</b>	<b>1.37</b>	<b>2.00</b>	<b>2.62</b>	<b>7.40</b>	<b>No</b>	<b>No</b>		<b>10.01</b>		<b>04/04/2016</b>		<b>Unknown</b>	

#### SYMMETRIC SPINNAKER

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Maker	Material	Comment
<b>B</b>	<b>7.50</b>	<b>7.50</b>	<b>7.50</b>	<b>4.56</b>	<b>4.00</b>	<b>27.80</b>		<b>28/05/2016</b>	<b>North</b>	<b>Unknown</b>	
<b>A</b>	<b>7.74</b>	<b>7.74</b>	<b>7.74</b>	<b>4.26</b>	<b>4.06</b>	<b>27.22</b>		<b>14/04/2016</b>			