



GPH = **616.4** CDL = **8.365**

**BOAT**

Class **CARABELLI 32**  
Designer **HORACIO CARABELLI**  
Builder **CAVALLI**  
Age Date **09/1999**  
Series Date **08/1999**  
Offset File **HC32MK3.OFF**

**HULL**

Length Overall **9.550 m**  
Maximum Beam **3.076 m**  
Draft **2.005 m**  
Displacement **2,452 kg**  
DLR **4.3721**  
IMS Division **Cruiser/Racer**  
Dynamic Allowance **0.000%**  
Age Allowance **0.487%**

**PROPELLER**

Installation **Strut**  
Type **Folding 2 blades**  
Diameter **0.419m**

**CREW**

Maximum weight **523 kg**  
Minimum weight **392 kg \* when applied**  
Non Manual Power **No**  
Crew Arm Extension

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

	Measured	Rated
Mainsail	<b>33.36</b>	<b>34.18</b>
Headsail Luffed	<b>28.68</b>	<b>28.68</b>
Headsail Flying		
Symmetric	<b>59.07</b>	<b>59.07</b>
Asymmetric		

**SAIL LIMITATIONS**

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

**STABILITY**

Righting Moment **51.5 kg·m**  
Stability Index **104.4**

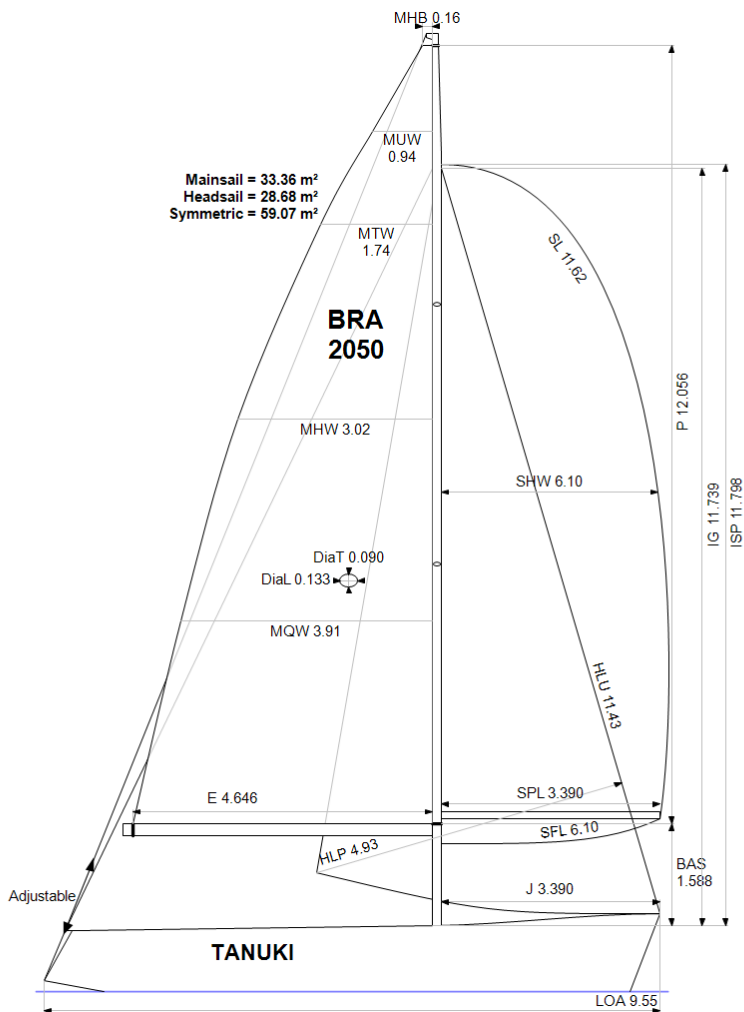
**COMMENTS**

Copiado de BRA-RGS 2021 Mudança de Armador

**OWNER**

Marcio Sudo  
R. Jardelina de Almeida Lopes 907  
Torre 2 - ap 92  
Mogi das Cruzes - SP

*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	42.4°	40.5°	39.0°	38.6°	39.0°	38.6°	39.8°
Beat VMG	3.76	4.49	4.77	4.88	4.90	4.95	4.91
52°	5.70	6.57	6.81	6.90	6.95	6.98	7.04
60°	6.02	6.76	7.01	7.12	7.18	7.21	7.34
75°	6.27	6.90	7.27	7.49	7.63	7.70	7.87
90°	6.23	6.93	7.35	7.78	8.10	8.28	8.43
110°	5.81	6.84	7.40	7.95	8.32	8.67	9.33
120°	5.59	6.72	7.29	7.90	8.56	9.11	9.91
135°	4.98	6.19	6.92	7.44	8.04	8.72	10.57
150°	4.16	5.28	6.27	6.93	7.42	7.96	9.32
Run VMG	3.61	4.57	5.44	6.15	6.77	7.24	8.26
Gybe Angles	144.0°	148.0°	151.5°	160.0°	180.0°	179.8°	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	957.2	801.3	754.3	738.0	734.4	727.3	732.9
52°	631.3	547.9	528.6	521.5	517.9	515.9	511.3
60°	598.1	532.5	513.7	505.7	501.3	499.4	490.3
75°	574.2	521.5	495.3	480.5	472.1	467.3	457.4
90°	577.4	519.5	489.6	462.7	444.5	434.8	426.8
110°	620.1	526.0	486.5	453.0	432.6	415.4	385.9
120°	643.5	536.1	493.8	455.8	420.8	395.1	363.3
135°	722.7	581.8	519.9	483.8	447.9	412.9	340.5
150°	864.4	682.4	574.4	519.2	485.3	452.0	386.1
Run VMG	998.1	788.0	662.0	585.6	531.9	497.5	435.9
Selected Courses							
Windward / Leeward	977.7	794.6	708.1	661.8	633.2	612.4	584.4
All purpose	747.3	624.9	571.2	540.3	519.1	503.0	477.7

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	685.6	0.8751
All purpose	554.2	1.0827

### Custom scoring options for Brazil

Single Number	Time On Time
Upwind "bolina"	0.7713
Downwind "popa"	0.9335
70% up, 30% down "Ilhabela"	0.8137
30% up, 70% down "Ilhabela-inverso"	0.8781