



GPH = **697.9** CDL = **7.132**

BOAT

Class **NEO 25**
Designer **H. CARABELLI**
Builder **Neo Yachts**
Age Date **10/2015**
Series Date **10/2004**
Offset File **NEO25C.OFF**

HULL

Length Overall **7.790 m**
Maximum Beam **2.800 m**
Draft **1.677 m**
Displacement **2,094 kg**
DLR **5.1460**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.182%**
Age Allowance **0.487%**

PROPELLER

Installation **Strut**
Type **Folding 2 blades**
Diameter **0.380m**

CREW

Maximum weight **449 kg**
Minimum weight **337 kg * when applied**
Non Manual Power
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	21.95	22.58
Headsail Luffed	15.70	15.70
Headsail Flying		
Symmetric	49.08	49.08
Asymmetric		

SAIL LIMITATIONS

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

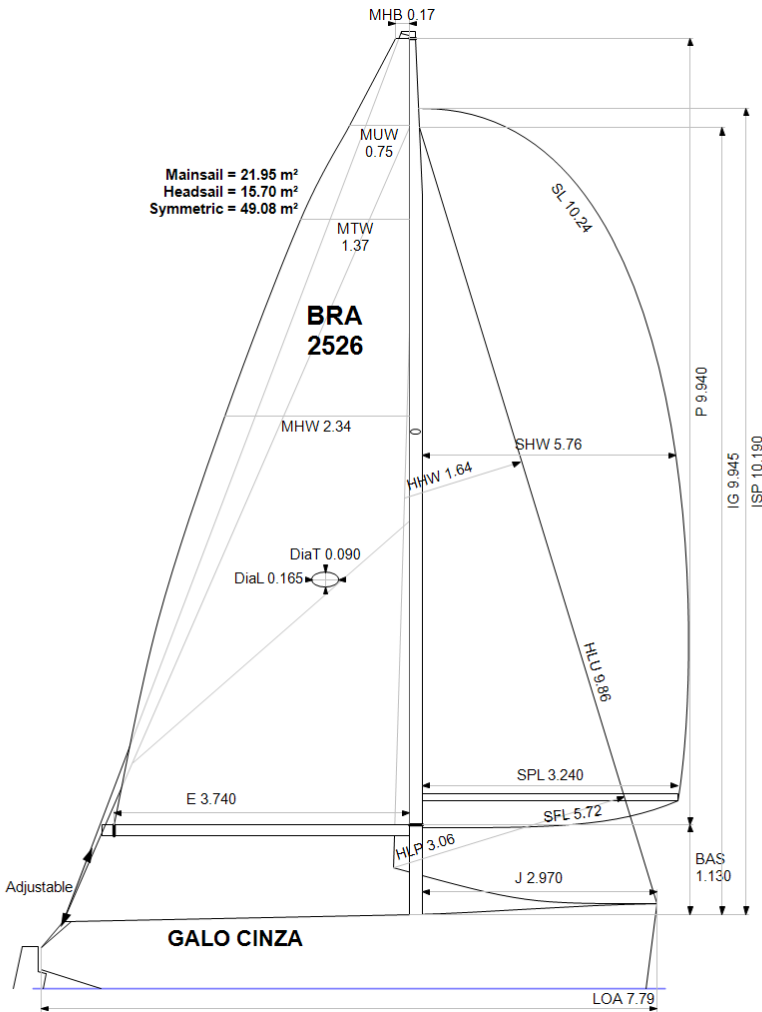
STABILITY

Righting Moment **36.0 kg·m**
Stability Index **N/A**

OWNER

Guilherme de Melo Lengler
R. Isabel Bastos 272
Viamão - RS

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	42.8°	42.0°	40.5°	38.6°	38.1°	38.3°	38.6°
Beat VMG	3.05	3.66	4.14	4.44	4.52	4.53	4.55
52°	4.66	5.51	5.99	6.23	6.32	6.36	6.40
60°	4.92	5.76	6.15	6.38	6.51	6.55	6.58
75°	5.12	5.93	6.29	6.53	6.75	6.92	7.02
90°	5.19	6.07	6.46	6.66	6.86	7.15	7.56
110°	5.23	6.15	6.57	6.98	7.36	7.61	8.01
120°	5.08	6.04	6.50	6.92	7.38	7.84	8.52
135°	4.61	5.62	6.25	6.63	7.05	7.52	8.71
150°	3.90	4.88	5.73	6.29	6.64	7.03	7.93
Run VMG	3.37	4.23	4.99	5.65	6.19	6.54	7.29
Gybe Angles	146.5°	151.0°	153.0°	166.0°	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	1180.2	984.5	868.9	811.7	797.1	794.1	791.7
52°	772.7	653.6	600.6	577.6	569.3	566.3	562.9
60°	731.4	624.8	585.1	564.4	553.4	549.2	546.8
75°	702.7	606.9	572.8	551.4	533.3	520.5	513.1
90°	693.8	593.0	557.0	540.2	524.5	503.5	476.1
110°	687.9	585.6	547.8	515.5	488.9	473.3	449.2
120°	708.9	596.0	553.7	520.5	488.0	459.1	422.7
135°	780.7	641.1	576.0	543.2	510.6	478.6	413.4
150°	924.2	737.0	628.0	572.5	542.3	512.2	453.8
Run VMG	1067.2	851.4	721.1	636.9	581.8	550.5	493.9
Selected Courses							
Windward / Leeward	1123.7	917.9	795.0	724.3	689.4	672.3	642.8
All purpose	865.2	719.2	644.5	603.0	578.3	562.0	535.9

Single Number Scoring Options

Course	Time On Distance	Time On Time
Windward / Leeward	761.5	0.7879
All purpose	623.6	0.9621