

GPH = **585.5** CDL = **10.196**

**BOAT**

Class **XP38 DK**  
Designer **Niels Jeppesen**  
Builder **X Yachts**  
Age Date **01/2013**  
Series Date **01/2013**  
Offset File **XP38-24v.off**

**HULL**

Length Overall **11.580 m**  
Maximum Beam **3.670 m**  
Draft **2.404 m**  
Displacement **6,972 kg**  
DLR **5.7832**  
IMS Division **Cruiser/Racer**  
Dynamic Allowance **0.178%**  
Age Allowance **0.260%**

**PROPELLER**

Installation **Strut**  
Type **Feathering 3 blades**  
Diameter **m**

**CREW**

Maximum weight **480 kg**  
Minimum weight **360 kg \* when applied**  
Non Manual Power **Rig**  
Crew Arm Extension

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

	Measured	Rated
Mainsail	<b>46.46</b>	<b>47.14</b>
Headsail Luffed	<b>36.01</b>	<b>36.01</b>
Headsail Flying		
Symmetric	<b>136.56</b>	<b>136.56</b>
Asymmetric		

**SAIL LIMITATIONS**

Headsails **6**  
Spinnakers **4**

**STABILITY**

Righting Moment **173.7 kg·m**  
Stability Index **N/A**

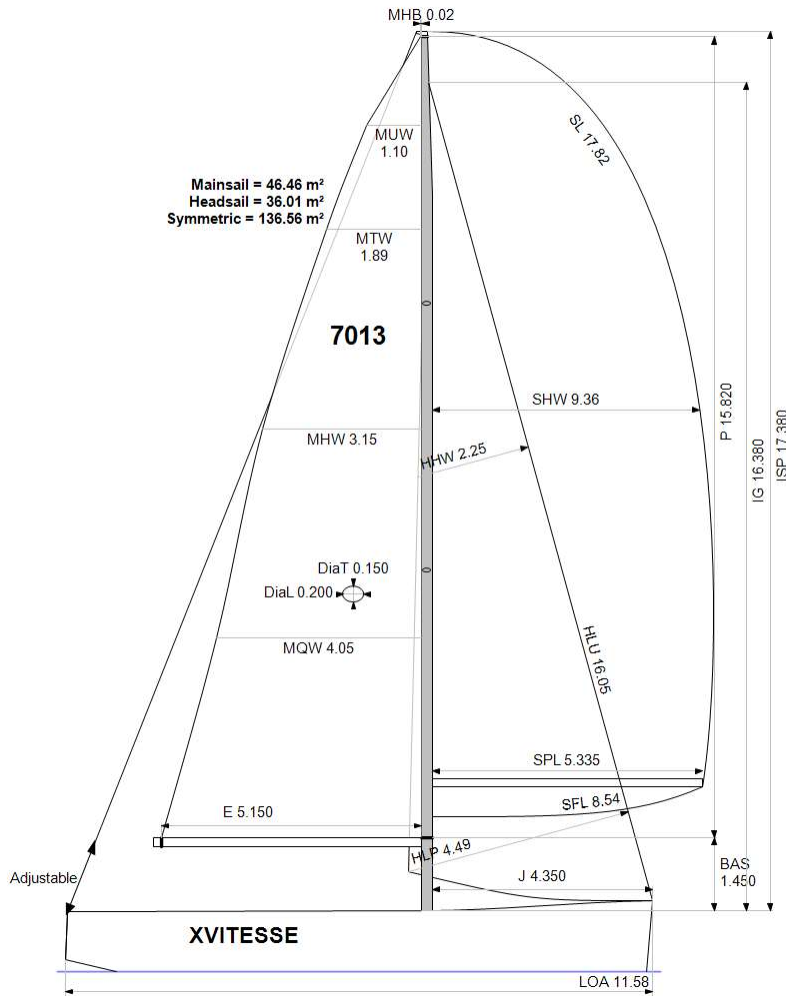
**COMMENTS**

IRC 41444

**OWNER**

Russell Birse  
101 / 200 The Esplanade  
QLD  
4220 Burleigh HEads Australia

*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°	40.9°	40.1°	39.0°	38.3°	38.1°	37.9°
Beat VMG	3.63	4.39	4.97	5.29	5.42	5.47	5.61
52°	5.51	6.55	7.23	7.53	7.65	7.70	7.79
60°	5.82	6.85	7.43	7.71	7.86	7.92	7.99
75°	6.08	7.07	7.58	7.88	8.11	8.28	8.42
90°	6.02	7.15	7.58	7.90	8.18	8.47	8.95
110°	6.13	7.32	7.87	8.18	8.42	8.65	9.11
120°	6.01	7.23	7.83	8.27	8.70	8.99	9.52
135°	5.49	6.75	7.55	8.01	8.47	9.00	10.26
150°	4.67	5.80	6.83	7.55	7.98	8.40	9.41
Run VMG	4.04	5.02	5.92	6.64	7.24	7.74	8.56
Gybe Angles	143.0°	147.5°	150.5°	157.0°	174.0°	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	991.4	819.7	724.9	680.5	664.4	657.8	642.1
52°	653.0	549.4	498.1	478.2	470.9	467.4	462.0
60°	618.7	525.5	484.5	466.8	458.2	454.4	450.8
75°	592.0	509.0	474.9	456.9	444.1	434.8	427.5
90°	597.5	503.6	474.8	455.6	439.9	425.2	402.4
110°	586.9	491.6	457.1	440.1	427.8	416.4	395.0
120°	598.8	498.1	459.8	435.2	414.0	400.5	378.3
135°	655.7	533.6	476.7	449.5	425.0	400.0	350.9
150°	771.6	620.8	526.8	477.0	451.2	428.4	382.6
Run VMG	891.0	716.9	608.1	541.9	497.3	465.0	420.6
Selected Courses							
Windward / Leeward	941.2	768.3	666.5	611.2	580.8	561.4	531.4
All purpose	728.8	602.8	538.7	505.4	486.3	471.5	447.8

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	639.4	0.9383
All purpose	522.9	1.1475

### Custom scoring options for Australia

Single Number	Time On Distance	Time On Time
Triple Number Coastal/Long Distance Low	665.8	0.9012
Triple Number Coastal/Long Distance Medium	519.8	1.1542
Triple Number Coastal/Long Distance High	466.3	1.2868
Triple Number Windward/Leeward Low	854.7	0.7020
Triple Number Windward/Leeward Medium	635.1	0.9447
Triple Number Windward/Leeward High	555.0	1.0811