



6



INTERNATIONAL SIX METRE CLASS

Yacht's Name	<i>Battlecry</i>		
National Letters & Sail Number	<i>GBR 89</i>	Fleet	<i>OPEN</i>
Designer	<i>Ian Howlett</i>	Design Year	<i>1988</i>
Builder	<i>Webb Brothers, Hamble</i>	Build Year	<i>1988</i>
Owner	<i>Jeremy Thorp</i>	World Sailing Building Plaque no. (If built after 1 Jan 1991)	<i>n/a</i>

RATING CERTIFICATION

This yacht has been measured by the measurer(s) noted below, who is(are) approved by the yacht's Member National Authority (MNA) or by ISMA, to certify that it has been found to rate not more than 6.000:

Dated (certification start date)	<i>15/08/2023</i>
Measured by	<i>David Chivers</i>
On Behalf of MNA	<i>RYA</i>
Valid until	<i>14/08/2027</i>
Supersedes	<i>02/08/2021</i>
Place & Time of Measurements	<i>Universal Marina</i>
Conditions at Flotation (wind, water & temperature)	<i>Fine, smooth water light wind</i>
SG (specific gravity) of Water at Flotation	<i>1.025</i> kg/m ³
Any correction applied to flotation/freeboards due to conditions (mm)	<i>0</i> (Salt Water 1.025 kg/m ³ & Immersion in salt/fresh water = 0.012m)
Loadcell details/calibration	<i>RYA Certified Load Cell</i>

Stamp of MNA (or ISMA):



MNA (or ISMA) signature:

RATING CALCULATION**OVERALL LENGTH**

Overhang Forward to L1
Overhang Aft to L1
Total Overhang (Subtract)

1.215
1.602
2.817

10.449
10.449

MEASURED LENGTH (L1 to L1)

Girth at Bow
Twice vertical Height at Bow (Subtract)
O at Bow
Add 1 1/2 O at Bow (min 0.270 m)
Girth at Stern
Twice vertical Height at Stern (Subtract)
O at Stern
Add 1/3 O at Stern (min 0.200 m)

0.817
0.600
0.217
2.109
1.134
0.975

7.632

0.325

0.325

0.000

0.000

Add any penalty at O2 (see Rule 3. Length - only for boats after 1 Nov 1970)
Add any Beam and/or Displacement Penalty

CORRECT LENGTH L (Sum of L1 Length and O Bow/Stern Girth Corrections)

8.282

Skin d to d1 Port
Chain d to d1 Port
d Port
Skin d to d1 Starboard
Chain d to d1 Starboard
d Starboard
Add d

1.842
1.842
0.000
1.850
1.850
0.000

0.000

0.000

0.000

GIRTH MIDSHIP DIFFERENCES (2d)

0.000

RATED LENGTH (Sum of Correct Length and Midship Girth Differences 2d)

8.282

(Calc. only nec. for boats after 1 Nov 1970)

	Actual	Calc.
Mean Freeboard Bow O	0.827	0.827
Mean Freeboard Midship d	0.690	0.690
Mean Freeboard Stern O	0.657	0.657
Sum of Freeboards		2.174

Classic Immersion Marks d Freeboard (only for Classic Appendix A boats)

n/a

Subtract F, 1/3 FREEBOARD (max 0.730)

0.724

0.724

7.558

Add Square root of TOTAL RATED SAIL AREA

6.662

TOTAL OF MEASUREMENTS

14.220

Add any Tumblehome and/or Draught Penalty

0.000

14.220

RATING Calculation - Total of Measurements (max 14.222)/2.37 (= not more than 6.000)

6.000

PENALTIES

Overhang Forward to L (LWL)

1.493

Overhang Aft to L (LWL)

1.892

Subtract from overall length

3.385

Add any increase to Aft L location due to Projections, Notches or Hollows

(see Measurement Instructions M18 & M20, including for rudder flaps extending aft further than CL of rudder stock axis)

WATERLINE LENGTH (LWL)**7.064**Minimum Displacement for Zero Penalty [m³] (0.2*LWL+0.15)³

3.811

Minimum Weight for Zero Penalty [metric tons] (water of sg 1.025 tonne/m³)

3.906

DISPLACEMENT**WEIGHT [metric tons] (actual including added ballast)****3.919**Equivalent LWL for Zero Penalty ((weight/1.025)³-0.15)/0.2)

7.065

Difference

0.000

DISPLACEMENT PENALTY (add 2x to L)**0.000****BEAM** (minimum beam at 1/3 of midship freeboard)

1.830

Actual beam at 1/3 of midship freeboard

1.830

Difference (if positive)

0.000

BEAM PENALTY (add 4x to L, only for yachts laid down after Sept 1937)**0.000****TUMBLEHOME** (max 2x 2% of Extreme Beam)

0.082

Extreme Beam

2.067

Beam at deck

2.064

Difference (if positive)

0.000

TUMBLEHOME PENALTY (add 3x excess to Rating)**0.000****DRAUGHT** (actual at deepest point) keel, rudder or wing tips (span not to exceed 1830mm)

1.624

Maximum Draught for Zero Penalty (0.16*LWL+0.5)

1.630

Difference (if positive)

0.000

DRAUGHT PENALTY (add 3x excess to Rating)**0.000****SAIL PLAN**

Maximum Height of Sail Plan (max 13.000m above datum)

13.000

J

3.422

I

9.720

Boom Height (min 400 to 1100mm from datum)

A

12.400

B

4.880

Foretriangle area (max (J or spin boom)xI/2)

16.630

Rated Mainsail Area (AxB/2)

30.256

Rated Foretriangle Area (85% of measured area)

14.135

Total Rated Sail Area (S)

44.391

VS

6.662

Spinnaker boom (length in extension to outer end from fwd face of the mast)

3.422

110% J

3.764

Sail Limits

Mainsail

Max girth at 1/2 height (MHW 67%)

3.269

Max girth at 3/4 height (MTW 39%)

1.903

Genoa

Max foot length (HFL J + 3.000m)

6.422

Spinnaker

Max luff SLU/leech SLE length (80% of VJ+VI +2.500m)

10.743

Max foot breadth (SFL 250% J)

8.555**SPARS MEASUREMENTS**

MAST CG from datum point (90mm above sheer)

(CG position min 4.940m above datum)

Mast Weight (min 63.51kg)

Material

Deck (min
132.7cm²)1/2 Height
(min 147.4cm²)Forestay (min
95cm²)Head
(min 37.4cm²)

Aluminium

MAST dimensions [mm]

MAST sectional area [cm²]

MAST section ratio [max 1.35]

#VALUE!

#VALUE!

#VALUE!

#VALUE!

Builder & Yr

Allspars 1990

DECK MEASUREMENTS

Cockpit dimensions:

fwd (or single) cockpit

Length

Aft width

Fwd width

Area m²

Distance to sheer

(max 2.700m² &

fwd keyhole

sheer distance min 200mm)

aft keyhole

0.000

0.000

0.000

0.000Total Area m²**0.000**

Distance to sheer

Hatch dimensions (max 0.400m² & sheer min 300mm)

NOTES & COMMENTS:

(include as many details as possible & all comments on measurements and/or conditions)

Eg.

Internal ballast 70kgs (10kg bags x7)

Boat was fitted with a new Ian Howlett designed keel at Demon Yachts, Aldeburgh, Suffolk UK, in May 2023

Target was to have the boat the same weight and floatatin on the original marks. This appears to have been achieved.

Mast and cocpit data unavailable to bring forward, but all complied when originally measured.