

**International One Design Class -- Plate VIII****Measurement Check List****Hull Particulars**

|  |  |
|--|--|
| Length over-all  | 33' 5"                                       |
| Waterline Length   | 21' 5"                                       |
| Beam   | 6' 9"  |
| Draft  | 5' 4"  |
| Fore Deck  | 13' 2-1/2"                                   |
| Cabin Length (OD)  | 4' 1-1/2"                                    |
| Cockpit Length (ID)  | 8' 6"  |
| Aft Deck length (inc. aft coaming.)  | 7' 7"  |
| Cabin Width (fore)   | 2' 6"  |
| Cabin Width (aft)  | 4' 1-1/2"                                    |
| Cabin Height (fore center)   | 7-3/4"                                       |
| Coaming Length   | 13' 1"; min 5/8" thickness                   |
| Coaming Height -- Par. 10 of by-laws   | 6" at cabin, 4-1/2" at mid-point, 3" aft end |
| Rudder outside measurements<br>measures 1' 5" wide x 5'11" high x 1-1/2" dia at stock<br>by 1/2" Dia. at aft half round edge | profile to official rudder design/plug       |

**Principal Weights. Gravity Centers. Flexes:**

|   |                |
|---|----------------|
| Lead Keel (all weights minimum)                                 | 4100 lbs.      |
| Hull (with lead keel, no hardware)                              | 6700 lbs.      |
| Total (inc. spars and equipment)                                | 7120 lbs.      |
| Mast Bare   | 118 lbs.       |
| Mast with fittings  | 155 lbs.       |
| Mast with fittings, spreaders, rigging                          | 200 lbs.       |
| Jumper Strut Triangle   | 2 lbs.         |
| Lower Spreader  | ea. 1-1/2 lbs. |
| Upper Spreader  | ea. lib        |
| Boom (Bare)   | 24 lbs.        |
| Boom with fittings  | 40 lbs.        |
| Spinnaker pole with fittings                                    | 8 lbs.         |
| Mast-center of gravity from deck line                           | 17' 1"         |
| Boom-vertical deflection min. (@ 200lbs)                        | 1-1/4"         |
| Boom-Lateral deflection min. (@200lbs)                          | 3-3/8"         |
| Forestay and Jib Tack Plate                                     | 1 lb           |
| Deck Partner and collar   | 3 lbs.         |
| Back stay deck plate  | 8 oz.          |
| Chain plates (min 3 ea. side & spacer bars)                     | 15 lb          |
| Deck-Mast Step Tie Rod  | 2 lb           |
| Suspension Rig (2 Bronze knees, 2 Tie Rod Turnbuckles, Stirrup) | 20lb           |

**Wooden Mast Specifications:**

|   |           |
|---|-----------|
| Mast Head Fittings                      | 3lb 10oz  |
| Main Halyard Shackle                    | 7oz.      |
| Jumper Strut Base                       | 2lb 4oz   |
| 2 Upper Spreader Bases                  | 2lb 8oz   |
| Forestay and Halyard Hoist Mast Fitting | 2lb       |
| 2 Lower Spreader Bases                  | 2 lb 10oz |
| Gooseneck Track                         | 4lb       |
| Gooseneck Slide                         | 1 lb 8oz  |
| Boom Gooseneck                          | 2lb 10oz  |

**Builder Specs**

|   |       |
|---|-------|
| Tiller and Rudder Stock Head fitting    | 4lb   |
| Rudder Stock, stainless steel or bronze | 19 lb |
| Rudder Post Stuffing Box                | 4lb   |
| Rudder Heel Pintle and Gudgeon          | 4 lb  |
| All other fittings at owner's option    |       |

**Principal fitting placement**

|   |          |
|---|----------|
| Partner Collar (centered over split deck beam from cabin front) | 12- 3/4" |
|---|----------|

|   |          |                               |
|---|----------|-------------------------------|
| Partners ( from front of cabin house)                                     | 9" - 18" | 9" max opening                |
| Aft partner from edge of transom--fibreglass boats                        | 21' 0"   |                               |
| Forestay Deck Plate (center of to center of Partner)                      | 8' 7"    | 8' 1" headstay to fwd partner |
| Back Stay Deck Plate(center of to center of Partner)                      | 19' 10"  |                               |
| Mast Step Tongue Slot (centered 1 1/2" fore of plumb from Partner Center) | 9"       |                               |
| Rudder Post Stuffing Box (center of to center of Mast Step slot)          | 13' 11"  |                               |

|  |             |                 |
|--|-------------|-----------------|
|  | <b>wood</b> | <b>aluminum</b> |
| Over All Length to Butt on center line (+/- according to bury)   | 45' 2-1/2"  | 45' 9"          |
| Over All Length to Deck  | 42' 1-3/4"  | 42'             |
| Main Halyard Sheave Pin to Deck  | 41' 10"     | 41' 10" 1275 cm |
| Main Halyard Sheave Pin to underside of Gooseneck Track  | 39' 5"      | 1200 cm         |
| Jumper Strut Base (center of to deck)  | 30' 5"      | 30' 5"          |
| Upper Spreader Base (center of to deck)  | 30'         | 30' 5"          |
| Forestay Mast Fitting (center of forestay tru-loc pin to deck)   | 29' 2"      | 29' 2'          |
| Lower Spreader Base (center of) to deck  | 16' 4"      | 16' 9"          |
| Spinnaker Halyard height   |             | 30' 1-1/8"      |
| Boom: Length-Center of Gooseneck Eye to center of Outhaul sheave pin add 1" to center of Mainsail tack pin | 16'2"       |                 |
| Spinnaker Pole   |             |                 |
| length over all including fittings-maximum   | 8' 5"       |                 |

**Rigging Specifications:**

- 1 Forestay
- 2 Jumper Stays
- 2 Diamond Stays
- 2 Upper Shrouds
- 2 Lower Shrouds
- 1 Permanent Backstay

|                        |                 |                 |
|------------------------|-----------------|-----------------|
| No rod allowed         |                 | <b>Minimums</b> |
| 1x19 SS wire (or 7x19) | (1/4" pennant ) | 3/16" dia       |
| 1x19 SS wire           |                 | 1/8" dia        |
| 1x19 SS wire           |                 | 1/8" dia.       |
| 1x19 SS wire           |                 | 3/16" dia       |
| 1x19 SS wire           | 1/4" pref       | 3/16" dia       |
| 7x19 SS wire           |                 | 5/32" dia.      |

**Required Inventory**

- Anchor or Anchor and Chain min 221b, max 351b
- Anchor rode min. 5/8' x 120'
- Compass, min 3' card
- Coast Guard appr PFDs for each person on board
- Bilge Pump
- Bucket, min. 10 quarts
- Paddle
- Boat Hook
- Foghorn
- Flashlight
- First Aid Kit
- Code Flag "B" (protest)
- ISAF Rule Book

Conform to Part 4 of Racing Rules

Electric approved