

# X-99 Measurement Form for Weights

As from 1994 this measurement form is guidance for X-99 owners to secure themselves against to low datum weight

The national X-99 Association is to appoint a qualified measurer on the X-99 owner's account in order to have the weighing of X-99 with authorized weight carried out. This measurement form is to be sent to:

Your National X-99 Class Association

---

Copy is to accompany the yacht in question

Owner. _____	Phone _____
Address: _____	Fax _____
_____	X-99 build no _____
_____	X-99 Sail no _____

The datum weight of the yacht shall be a minimum of 2.980 kg, with following equipment: mast boom, kicking strap, standing and running rigging, floorboards, washboards, blocks, spinnaker pole, pipe cots and toilet and batteries (minimum 112 volt minimum 70 Ah total 15 kg maximum 60 kg) Galley cooker with or without oven, and in case of gas cooker, gas cylinder installation and box, pulpit, push pits and lifelines (as per rule 3.8). Fixed compass, navigation lights, ladder if fixed.	Signed by: Measurer/Owner:								
Battery numbers: _____ . Battery weight total: _____ kg.									
Water and diesel tank are to be empty									
For instance the following shall not be calculated into datum weight minimum: Sails / sail battens / boom cover / spinnaker and Genoa sheets / barber haul / winch handles / safety equipment (except fixed compass, navigation light, and fixed ladder) / galley gear / cabin table / cushions / additional berth bottoms.									
Concerning yachts supplied with Bukh engines, building nr 1-287 incl. and 290 and 310: Yachts supplied with Bukh engine, which do not now weigh 2.980 kg, the missing weight is to be glassed into the yacht as pr drawing 11, one by one and in this order till min. weight 2,980 kg has been obtained.  <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">First pos 1 = 24 kg</td> <td style="width: 50%;">behind engine box</td> </tr> <tr> <td>Then pos 2 = 24 kg</td> <td>from the engine box to max 230 mm forward of the engine box</td> </tr> </table> Total weight of pos 1 and 2 glassed into the yacht _____ kg	First pos 1 = 24 kg	behind engine box	Then pos 2 = 24 kg	from the engine box to max 230 mm forward of the engine box					
First pos 1 = 24 kg	behind engine box								
Then pos 2 = 24 kg	from the engine box to max 230 mm forward of the engine box								
Concerning yachts not supplied with steel floors building no. 1- 261,263,267,270: If the yacht does not now weigh 2.980 kg, the missing weight is to be glassed into the yacht as per drawing 11, one by one and in this order till min. weight 2.980 kg has been obtained:  <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">First pos 3 = 33 kg</td> <td style="width: 50%;">From main bulkhead to max. 330 mm aft of main bulkhead</td> </tr> <tr> <td>Then pos 4 = 25 kg</td> <td>From engine box to max 410 mm from forward engine box</td> </tr> <tr> <td>Then pos 5 = 25 kg</td> <td>From main bulkhead to max 510 mm aft of main bulkhead</td> </tr> <tr> <td>Then pos 6 = 09 kg</td> <td>From engine box to max 410 mm from forward engine box</td> </tr> </table> Total weight of pos 3,4, 5, and 6 glassed into the yacht _____ kg	First pos 3 = 33 kg	From main bulkhead to max. 330 mm aft of main bulkhead	Then pos 4 = 25 kg	From engine box to max 410 mm from forward engine box	Then pos 5 = 25 kg	From main bulkhead to max 510 mm aft of main bulkhead	Then pos 6 = 09 kg	From engine box to max 410 mm from forward engine box	
First pos 3 = 33 kg	From main bulkhead to max. 330 mm aft of main bulkhead								
Then pos 4 = 25 kg	From engine box to max 410 mm from forward engine box								
Then pos 5 = 25 kg	From main bulkhead to max 510 mm aft of main bulkhead								
Then pos 6 = 09 kg	From engine box to max 410 mm from forward engine box								
For yachts with Bukh engine, in which now 48 kg compensation weight has been placed, and for yachts without steel floors, in which 92 kg compensation weight has been placed, and for yachts with Volvo engine and steel floors, which do not weigh minimum 2.980 kg, ballast is to be placed as per § 3.4:  §3.4: If it is necessary to add ballast to a yacht to meet the rules of the min. displacement, this ballast (lead or iron) shall be split up into 3 equal parts. Two parts are to be secured on the underside of the side deck at the chain plates on the starboard and port side. This ballast must not be thicker than 10 mm. measured at right angles to the underside of the side deck. The third part of the ballast shall be fixed in the bilge of the yacht, just aft of the mast. Any kind of inboard ballast (lead or Iron) shall be glassed into the yacht  Total weight of all 3 equal parts as per § 3.4: _____ kg									
Actual weight of yacht in condition as described _____ kg									

Measurer		
Name:		Address
Phone		in full