



Owners Manual – T240G + T280G:

Boat Manufacturer:

AIR YACHT Ltd. - 3 Owens Rd, Epsom - Auckland 1023 - Neuseeland - www.takacat.com

Please note the information given on the rating plate attached on the transom plate and the information on the inside of the tubes.

All Takacats are designed for short shaft engines. Outboard motors with long shafts or extra long shafts must not be used.

Assembly boat:

1. Firstly the both catamaran tubes must be inflated to 220mbar. Maximum pressure is 250mbar. The Halkey-Roberts valve must be set to inflate, meaning the valve mechanism must pop out a bit.
2. **Note - Fixing seam:**
When you have inflated the tubes you will see a split seam. This seam is not a defect but a so-called fixation seam, which is placed during production so that the connecting floor can be glued at right angles to the two elevator tubes. When inflating, this fixation seam opens and the separated stitches are visible, which rub away over time.
3. Then the floor must be inserted, best position is in contact with the bow, and inflated to a minimum of 600mbar. The maximum pressure is 680mbar. The Halkey-Roberts valve must be set to inflate, meaning the valve mechanism must pop out a bit. When inflating, always press the ground slightly on the sides.

4. Inflate the included seat with 200mbar, position it where you need it. You can fix it at the inside rings.
5. Finally the two oars (only T240G and T280G) must be assembled and mounted on the oarlocks and be fixed at the end.

Maintenance:

Regularly check valves, stitching, ribbons, hooks, screws and nuts on your Takacat boat. Pontoons are more alive than a plastic hull and their constant movement can cause fatigue damage. It is important to keep the pontoons sufficiently inflated. Under-inflation will cause more water resistance and thus slowing. Regularly check the pontoon mounts to the transom and hull and other joints in the tubes. In smaller inflatables between any loose floorboards and pontoons, it is important to keep areas clean from dirt and debris that could rub and wear down the pontoon.

Cleaning basically requires no more than a cleanser, a brush and a sponge for managing the cleaning and maintenance of the boats pontoons.

Soap: Mix the soap with water according to instructions on the package. Scrub the pontoons with a sponge or scrubbing brush. Rinse off with water. Never use high pressure when cleaning the boat, it can damage the stitches or fabric of the pontoons, etc.

Storage:

TAKACAT Sport or Lite inflatables can be stored either inflated or in a storage case. When stored in a bag, the bag must be dry. Take this opportunity to clean sand etc. from between the floorboard and pontoons. When it comes to winter, there are some basic tips. The boat does best not to stand in freezing temperatures, although it is not a must to have it indoors. If you cover the boat, do not use a vinyl tarp and let some air out of the pontoons.

Notice:

1. Note - Fixation seam:



When you have inflated the driving tubes you will see a split seam. This seam is not a defect but a so-called fixation seam, which is set during the production process so that the connecting bottom can be glued at right angles to the two driving hoses. When inflating, this fixation seam opens up and the separated stitch threads can be seen, which rub away over time.

2. The Takacat tubes are equipped with safety relief valves. This ensures that any dangerous excess pressure is dissipated in strong sunlight to prevent damage to the tubes. If the outside temperature then drops again, this may cause the air pressures to be no longer the correct values. Therefore, always check the correct air pressure values of the tubes and the high pressure floor before each ride. In the event of heat changes during the day, be sure to check the pressure values of all air-filled components and correct them to the correct pressure values to avoid damage. The high pressure floor is not equipped with a pressure relief valve. Therefore avoid excessive sunlight on the high-pressure floor and check and, if necessary, correct the air pressure values. When the boat is not in use, we strongly recommend that you store it in the shade or under a cover to avoid overheating and increased air pressure in the hoses and in the high pressure floor. An inflatable boat that remains inflated over several days can lose pressure. **According to ISO 6185, a pressure drop of 20% is allowed within 24 hours.**

In inflatable boats, valve seats may settle slightly after production due to fluctuations and movements of heat, allowing air to escape. In this case, there are two valve wrenches in the repair box. The key with smaller teeth is compatible with Halkey-Roberts air inlet / outlet valves, the key with coarser teeth is compatible with both overpressure safety valves.

Slightly turn the valve insert to the left with the appropriate valve wrench so that the lower slip friction can take effect and then turn it by hand to the right =>

<https://www.youtube.com/watch?v=wLY4nj24-BE>

3. The tubes of the Takacats are provided on the underside with protective strips. Nevertheless, you must avoid contact with sharp objects to prevent damage. It is urgent to move the dinghy with utmost care in areas of shallow water. Be sure not to damage the Takacat's hoses and high-pressure airfloor with sharp and / or sharp-edged objects.
4. In your own interest and in the interests of any persons traveling with you, make sure that all necessary safety precautions have been taken and that all necessary rescue equipment has been carried and if necessary created.
5. If you do not have a formal boating training, we recommend that you take a boat safety course in which you learn the skills of good seamanship, such as: Navigation, safety, the environment, boat handling, linen handling, docking, troubleshooting engine problems, and appropriate responses in emergencies. **The skills you learn in a boating course are never wasted and can not only be helpful in an emergency, but also life-saving.**
6. If you want to have best performance with minimum ventilation events on the prop the use of a **Permatrim hydrofoil plate** is highly recommended. Made from marine aluminum, these hydrofoil plates quadruple the outboard's anti-ventilation plate and significantly reduce ventilation. In addition, they stabilize the handling of the inflatable boat as a fixed trim panel with their lateral fins.

Spezification - T240G

- Length/Width: 2,40 x 1,4m
- Draft: 0,2m
- Tube Diameter: 0,41m
- Max. Tube Pressure: 250mbar
- Max. Floor Pressure: 680mbar
- Max. Person: 2
- Max. Loading: 300kg (including engine)
- Max. Engine Power: 3,7Kw / 5HP
- Max. Engine Mass: 30kg
- Length of Shaft: S

Spezification - T280G

- Length/Width: 2,8 x 1,4m
- Draft: 0,2m
- Tube Diameter: 0,41m
- Max. Tube Pressure: 250mbar
- Max. Floor Pressure: 680mbar
- Max. Person: 3
- Max. Loading: 360kg (including engine)
- Max. Engine Power: 6Kw / 8HP
- Max. Engine Mass: 60kg
- Length of Shaft: S
- CE Design Catagory: C

Category C:

A boat assigned to design category C is intended for operation in wind conditions with Beaufort Strengths up to 6 and the corresponding wave heights (significant wave heights up to 2 m). Such conditions may occur on unprotected inland waters, estuaries and in coastal waters in moderate weather conditions.

All information contained herein has been compiled with the utmost care and to the best of our knowledge. Nevertheless, mistakes can not be completely ruled out. For this reason, TAKACAT (Friedel Hacker - Dipl.-Ing.) has been made to point out that they do not assume any warranty or legal responsibility or any liability for consequences resulting from incorrect information can.

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