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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 20897.4-2019

**Inflatable boats -- Part 4: Boats with a hull length of between 8
m and 24 m with a motor power rating of 15 kW and greater**

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Foreword

GB/T 20897 "Inflatable Boat" includes the following four parts.

- Part 1. The engine with a maximum rated power of 4.5kW;
- Part 2. The maximum rated power of the engine is 4.5kW~15kW;
- Part 3. Boats with a maximum engine power rating of 15kW and above;
- Part 4. Boats with a rated engine power of 15kW and above and a ship length between 8m and 24m.

This part is the fourth part of GB/T 20897.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the translation method equivalent to ISO 6185-4.2011 "inflatable boat part 4. engine rated power is 15kW and

The boat with the captain between 8m and 24m.

The documents of our country that have a consistent correspondence with the international documents referenced in this part are as follows.

- GB/T 11686-2002 Small boat toilet wastewater collection system (ISO 8099..2000, IDT)
- GB/T 17844-1999 Small boat remote steering system (ISO 8848.1990, IDT)
- GB/T 18426-2001 Low-temperature bending test of rubber or plastic coated fabrics (ISO 4675.1990, IDT)
- GB/T 18814-2003 Small boat electrical system communication system (ISO 13297.2000, IDT)
- GB/T 18815-2013 Vision of the steering part of motor boats (ISO 11591.2011, IDT)
- GB/T 19310-2003 Permanently installed fuel system and fixed fuel tank (ISO 10088.2001, IDT)

- GB/T 19311-2003 Small boat electrical system ultra-low voltage DC device (ISO 10133.2000, IDT)
- GB/T 19312-2003 Ventilation of small boat gasoline engines and/or petrol cabinets (ISO 11105.1997, IDT)
- GB/T 19317 (all parts) dinghy through sea cock and accessories attached to the hull [ISO 9093 (all parts)]
- GB/T 19318-2003 Small boat hydraulic steering system (ISO 10592.1994, IDT)
- GB/T 19916-2005 Main data of small boats (ISO 8666.2002, IDT)
- GB/T 19917-2005 Small boat owner manual (ISO /DIS10240.2002, IDT)
- GB/T 19919-2005 Small boat windows, side scuttles, hatch covers, storm covers and door strength and tightness requirements (ISO 12216.2002, IDT)
- GB/T 20896-2007 Dinghy watertight cabin and rapid draining cabin (ISO 11812.2001, IDT)
- GB/T 26087-2010 Boat mooring, mooring and towing strength points (ISO 15084.2003, IDT)
- GB/T 30498-2014 Permanently installed petrol and diesel fuel tanks (ISO 21487.2006, IDT)

This section has made the following editorial changes.

---7.14.3 "The wire rope shall be fitted with a quick release device capable of allowing the weight to fall freely 3m (see Figure 3)" modified to "wire rope"

A quick release device (see Figure 4) that allows the weight to freely fall 3m should be installed.

This part is proposed and managed by the National Small Boat Standardization Technical Committee (SAC/TC241).

This section drafted by. China Shipbuilding Industry Comprehensive Technology and Economic Research Institute, China Shipbuilding Industry Corporation Seventh Eighteen Institute.

Introduction

GB/T 20897 is divided into 4 parts, as shown in Figure 1.

This section does not include.

a) single cabin boat;

b) a boat with a buoyancy of not more than 1800N;

c) Unsupported materials with over 12kN inflatable buoyancy and boats with engine power $P > 4.5\text{kW}$.

This section does not apply to water toys and inflatable life rafts as defined by ISO 9650.

GB/T 20897.1.

---I type LH < 8m by the artificially advanced boat;

--- Type II LH < 8m and the maximum power of the engine is 4.5kW power boat;

--- Type III LH < 8m rowing boats and kayaks;

--- Type sail boat with LH < 8m and maximum sail area of 6m².

GB/T 20897.2.

---V type LH < 8m and engine rated power of 4.5kW~15kW power boat;

--- VI type sailboat with LH < 8m and sail area greater than 6m².

GB/T 20897.3.

--- VII type power boat with LH < 8m and engine rated power not less than 15kW;

--- VIII type power boat with LH < 8m and engine rated power not less than 75kW.

GB/T 20897.4.

Figure 1 GB/T 20897 breakdown description

This part of GB/T 20897 enables the inflatable boat to be assigned to a design category suitable for its design and maximum load. Use of this classification

The classification method in the EU Recreational Boat Directive, the EU94/25/EC Directive amended by 2003/44/EC.

Inflatable boat part 4. engine rated power

15kW and above and the captain is at

Boat between 8m~24m

1 Scope

This part of GB/T 20897 specifies that the ship's LH is between 8m and 24m, and the engine rated power is 15kW or more.

Minimum safety requirements for the design, materials, manufacture and testing of rigid inflatable boats (RIBs).

This part of GB/T 20897 applies to rigid inflatables of type IX and X intended to sail in the

ambient temperature range of -20 ° C ~ 60 ° C.

Boat, as follows.

--- Type IX. Installed with a buoyancy cylinder covering more than 85% of the left and right sides, suitable for coastal and sheltered waters, up to 6 grades of Pu's wind and

2m with high wave height (design category C and D), engine rated power 15kW and above, captain 8m~24m

Powered inflatable boat;

---X type. Installed with a buoyancy tube covering 85% or more of the left and right sides, suitable for up to 8 levels of Pu's wind and 4m sense wave height (set

Class B) Water-powered, inflatable boats with a rated engine power of 75 kW and above and a ship length between 8 m and 24 m.

Note 1. The general layout of the IX and X boats is shown in Appendix A and Appendix B.

Note 2. For boats with rated power not greater than 4.5 kW, see GB/T 20897.1. For boats with rated power of 4.5kW~15kW, see GB/T 20897.2.

For boats with a length of less than 8 m and a rated power of not less than 15 kW, see GB/T 20897.3.

Boats other than those listed above and Types IX and X are outside the scope of this series of standards.

Note 3. For inflatable boats with a length of more than 8m, it is recommended to use the requirements of GB/T 20897.3.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 19315-2003 Maximum loading capacity of small boats (ISO 14946.2001, IDT)

GB/T 19319-2010 Small craft to prevent personnel from falling into water and re-boarding (ISO 15085.2003, IDT)

GB/T 20897.3-2017 Inflatable boats - Part 3. Boats with a maximum rated power of 15 kW or more (ISO 6185-

3.2001, IDT)

Determination of the effect of ISO 1817 vulcanized rubber on liquids (Rudder,