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

GB/T 18822.2-2024

**Small craft - Determination of maximum propulsion power
rating using manoeuvring speed - Part 2: Craft with a length of
hull between 8 m and 24 m**

小艇 用操纵速度确定最大推进额定功率 第2部分：艇体长度在8m~24m之间的
艇

(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is Part 2 of GB/T 18822 "Determination of maximum propulsion rated power for small craft using maneuvering speed". GB/T 18822 has been the following parts have been published.

- Part 1: Boats with a hull length of less than 8 m;
- Part 2: Boats with a hull length between 8m and 24m.

This document is equivalent to ISO 11592-2:2021 "Determination of maximum propulsion rated power for small craft using maneuvering speed Part 2: Hull length Boats with a length between 8m and 24m.

Introduction

With the popularity of small boats, it is necessary to establish the maximum propulsion rated power standard for small boats, promote the development of design technology for various types of small boats, and ensure the safety of small boats.

GB/T 18822 is intended to determine the maximum propulsion rated power of small boats of various lengths using maneuvering speed.

Then, it is planned to consist of two parts.

- Part 1: Boats with a hull length of less than 8 m. The purpose is to establish the use of maneuvering speed to determine the speed of a boat with a hull length of less than 8 m.

Maximum propulsion power rating guidelines.

- Part 2: Boats with a hull length between 8m and 24m. The purpose is to establish the

use of maneuvering speed to determine the length of the boat.

Criteria for maximum propulsion rated power for boats between 8m and 24m.

Determining maximum propulsion for small boats using maneuvering speed Rated power

Part 2: Hull length Boats between 8m and 24m

1 Scope

This document specifies the use of manoeuvring speed to determine the dynamics of boats with a hull length (LH, as defined in ISO 8666) between 8 and 24 m.

Requirements for the maximum propulsion rated power of motor boats.

This document applies to boats with a Froude number (F_n) not less than 1.1.

This document does not apply to.

- Inflatable boats as defined in ISO 6185-4;
- Boats specially designed and built for competition (racing boats);
- Non-engine-driven boats.

This document does not specify the structural strength requirements of the boat related to the maximum propulsion power, and does not guarantee that the boat will be able to withstand all conditions such as water, wind, current and waves.

Stability under conditions.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

ISO 7010 Graphical symbols - Safety colors and safety signs Registered safety signs ISO 8666 Smallcraft-Principal data Note. GB/T 19916-2005 Main data of small boats (ISO 8666:2002, IDT) ISO 10087 Small craft identification code (Smallcraft-Craft identification-Coding system) Note. GB/T 16696-2008 Small boat hull identification code (ISO 10087:2006, IDT) ISO 10240 Smallcraft-Owner's manual Note. GB/T 19917-2005 Small craft owner's manual (ISO/DIS10240.2002, IDT)

3 Terms and definitions

The following terms and definitions apply to this document.

Engine power

The power declared by the engine manufacturer.

Note: Based on rated power as defined in ISO 8665.

Boat speed craftspeed the speed of the boat in the water.