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

GB/T 11799-2008

Replacing GB 11799-1989

Marine explosion-proof type centrifugal fans

船用防爆离心通风机

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Foreword

This standard replaces GB 11799-1989 "marine explosion centrifugal fans." This standard compared with GB 11799-1989, the main technical content of the following changes.

- Expand the performance parameters, expanding the flow 21000m³/h, 27000m³/h, 32000m³/h, 40000m³/h fourth gear;
- United fan product model representation;
- Points overall requirements and major components of the fan cover requirements described;
- Refined fan product packaging requirements. The standard proposed by China Shipbuilding Industry Corporation. This standard by the China Machinery Standardization Technical Committee Marine deck machinery and auxiliary machinery spaces under the jurisdiction of the Technical Committee. This standard was drafted. China Shipbuilding Industry Corporation seventh - four Institute. The main drafters of this standard. Joe River, Ding Ke-jin, Peng Shan. This standard replaces the standards previously issued as follows:
- GB 11799-1989. Marine explosion-proof centrifugal fan

1 Scope

GB/T 11799-2008 is the Chinese national standard on marine explosion-proof type centrifugal fans, in the field of shipbuilding and marine structures. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 3 March 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 September 2008. Classification: ICS 47.020.50, CCS U47. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies a single-stage, single-suction centrifugal fan marine explosion (hereinafter referred to as the "explosion-proof fan") product classifications, requirements, test side Method, inspection rules, marking, packaging, transportation and storage. This standard applies to explosion-proof ventilation fan design, production, testing and acceptance.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 191 Packaging - Pictorial signs (GB/T 191-2000, eqv ISO 780.1997)

GB/T 1236 Industrial fans using standardized airways performance test (GB/T 1236-2000, idt ISO 5801.1997)

GB/T 1804-2000 General tolerances for linear and angular dimensions without individual tolerance tolerance (eqv ISO 2768-1. 1989)

GB/T 2888 fan and blower noise measurement method

GB/T 3235 basic fan type, size parameters and characteristics

GB 3836.1-2000 Electrical equipment for explosive gas atmospheres - Part 1. General requirements (eqv IEC 60079-0.1998)

GB 3836.2-2000 Electrical apparatus for explosive gas atmospheres - Part 2. flameproof "d" (eqv IEC 60079-1.1990)

GB/T 5330 industrial woven square hole wire mesh

GB 8923-1988 before painting steel surface rust grades and preparation grades (eqv ISO 8501-1. 1988)

GB/T 9438 aluminum alloy castings (

GB/T 9438-1999, neqASTMB26/B26M.1992) GB/T 13306 signs

GB/T 13384 mechanical and electrical products packaging General technical conditions Measurement and evaluation of

GB/T 16301-2008 ship engine room auxiliaries vibration intensity CB1146.1-1996 ship equipment Environmental test and engineering guidelines General CB1146.6-1996 ship equipment Environmental test and engineering guidelines for impact CB1146.8-1996 ship equipment Environmental test and engineering guidance tilt and sway CB1146.9-1996 ship equipment Environmental test and engineering guidance vibration

3 Terms and Definitions

3.1 Explosion-proof fan design theory point of working for fan rated conditions. That is, from the point of rated pressure, rated point flow determined work For points.

3.2 I.e., atmospheric pressure is 101325 Pa, a temperature of 20 °C, 50% relative humidity, air density of 1.2kg/m³.

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