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ICS 27.140
CCS K55

SL

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SL 321-2005

Fundamental technical specifications for large and medium hydrogenerators

大中型水轮发电机基本技术条件

(English Translation)

Issued on: May 10, 2005 **Implemented on: July 1, 2005**

Issued by: Ministry of Water Resources of the People's Republic of China

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1 Foreword

SL 321-2005 was issued by Ministry of Water Resources of the People's Republic of China on 10 May 2005 and has been in force since 1 July 2005.

The SL prefix, without a suffix, marks a mandatory standard: within its scope, compliance is required.

The document runs to 20 pages in English translation.

2 Scope Preview

This standard applies to: the turbine is directly connected -3 phase 50Hz, rated capacity of 25MVA and above scroll salient pole synchronous generator (hereinafter referred to as hydro). Rated capacity of 25MVA less scroll salient pole synchronous generator and the horizontal axis turbine generator can be implemented by reference.

SL 321-2005 falls under ICS 27.140, in the field of energy and heat transfer engineering.

This catalogue holds 100 other SL standards in that field.

In this catalogue, SL standards carry edition years from 1989 to 2020.

3 About this standard

Sector: Water Resources Industry Standard

Issued by: Ministry of Water Resources of the People's Republic of China

English translation: about 20 pages (approximate)

Chinese original: about 29,299 characters

4 Related standards

Standards on related subjects:

GB/T 14478-2025 - Basic technical specification of inlet valves for large and medium-sized hydraulic turbines

GB/T 10969-2008 - Specification for water passage components of hydraulic turbines, storage pumps and pump-turbines

JB/T 10384-2002 - Steel castings for flow passage components of small and medium-sized

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hydraulic turbines

SL 774-2019 - Specifications for excitation systems of small hydraulic generators

SL 755-2017 - Technical code for small and medium-sized hydraulic turbine governing systems

SL 746-2016 - Code for start-up test of medium or small size for hydraulic-turbine and generator units

5 Classification and status

International classification (ICS): 27.140

Chinese Standard Classification (CCS): K 55

Prefix SL: mandatory standard.

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