ICS 91110
CCS Q 92

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 35167-2017

Vertical roller mills for cement

水泥立式辊磨机

Issued on: December 29, 2017 **Implemented on: November 1, 2018**

Issued by: General Administration of Quality Supervision, Inspection and Quarantine;
Standardization Administration of the PRC

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard proposed by the China Building Materials Federation. This standard by the National Building Materials and Equipment Standardization Technical Committee (SAC/TC465) centralized. This standard is drafted by: Sinoma Equipment Group Co., Ltd., Hefei Zhongya Building Materials and Equipment Co., Ltd. Participated in the drafting of this standard. Jiangsu Pengfei Group Co., Ltd., Yancheng Institute of Technology, Jiangsu Haijian Co., Ltd., Guilin Che-hung Mining Equipment Manufacturing Co., Ltd., China Building Material Machinery Industry Association, Nanjing Xi Pu Cement Engineering Group Co., Ltd., Jiangsu Hengyuan International Engineering Co., Ltd., Nanjing Kaisheng International Engineering Co., Ltd., Zhengzhou Institute of Machinery, Anhui Fung-wear-resistant materials Co., Ltd.. The main drafters of this standard. Shen Zhanmin, Nie Wenhai, Zhao Jianbo, Deng Xiaolin, Ye Weidong, Wang Yumin, Ding Tonghua, Liu Pingcheng, Yang Ping, Rong Beiguo, Wang Yurong, Chen Yun, Cao Yu, Wei Jianjun, Gao Jie. Vertical cement roller mill

1 Scope

China's national standard for vertical roller mills used in cement production. It specifies the terms and definitions, the product types, the requirements, the test methods, the inspection rules and the marking, packaging, transport and storage. The vertical roller mill replaced the ball mill in cement grinding, and the reason is energy. A ball mill grinds by tumbling steel balls, and most of the energy put into it becomes noise and heat rather than new surface; a vertical mill grinds material in a bed under hydraulically loaded rollers on a rotating table, which is a far more direct transfer of force to particle. The saving is in the range of thirty to forty per cent, and since grinding is the largest electricity consumer in a cement works, that is a substantial fraction of the plant's power bill. The mill also dries the feed with the hot gas that sweeps the product to its classifier, which removes a separate drying step. What it demands in return is a stable grinding bed, and that constrains what can be fed to it.

This standard specifies the terms and definitions cement vertical roller mill (hereinafter referred to as "vertical mill"), product type, requirements, test methods, testing Rules and marking, packaging, transportation and storage. This standard applies to the vertical mill

grinding cement clinker. Grinding slag vertical mill can refer to the implementation of this standard.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs (GB/T 191-2008, ISO 780.1997, MOD)

GB/T 700-2006 Carbon structural steel (ISO 630.1995, NEQ)

GB/T 755 Rotating electrical machinery quota and performance (GB 755-2008, IEC 60034-1.2004, IDT)

GB/T 985.1 Gas welding, electrode arc welding, gas shielded welding and recommended Beam welding (GB/T 985.1-2008, ISO 9692- 1.2003, MOD)

GB/T 1032 three-phase asynchronous motor test method (GB/T 1032-2012, IEC 60034-2-1.2007, NEQ)

GB/T 1184-1996 Tolerances on shape and position Tolerances on unmarked values (ISO 2768-2.1989, EQV)

GB/T 1345 cement fineness test method Screening method

GB/T 1348-2009 ductile iron parts (

ISO 1083.2004, MOD) Geometrical product specifications (GPS) - Limits and tolerances and mating options (

ISO 1829-2009). 1975, MOD)

GB/T 1804-2000 General tolerances Tolerances for linear and angular dimensions without tolerance (ISO 2768-1.1989, EQV)

GB/T 1958 Geometrical product specifications (GPS) shape and position tolerance testing requirements

GB/T 2893 (all parts) Graphical symbols Safety colors and safety signs [