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

GB/T 25637.1-2010

**Building construction machinery and equipment -- Concrete
mixers -- Part 1: Vocabulary and general specifications**

建筑施工机械与设备 混凝土搅拌机 第1部分：术语与商业规格

(English Translation)

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Foreword

GB/T 25637 "Building construction machinery and equipment concrete mixer" is divided into two parts.

--- Part 1. Terminology and commercial specifications;

--- Part 2. stirring performance test procedures.

This section GB/T Part of 125,637.

This part identical with ISO 18650-1:2004 "Building construction machinery and equipment - Concrete mixers - Part 1. Terminology and commercial Specifications "(in English).

This section is equivalent translation ISO 18650-1:2004.

For ease of use, this section made the following editorial changes.

- a) "This part of ISO 18650-1" be replaced by "GB/T 25637 in this section";
- b) Delete ISO 18650-1:2004 Foreword;
- c) For ISO 18650-1:2004 international standard reference has been adopted as the equivalent of our national standards, the reference section of these Instead of the corresponding national standards with international standards (see Part 2);
- d) Since this section does not appear ISO 18650-1:2004 references listed in the file, so

remove it;

e) For ISO 18650-1:2004 original editorial errors by the ISO/TC195/SC1 contact the Secretariat confirmed that this section the following modifications.

1) two column item 5.3.3.1c) of the latter two of "relevant size See 5.2 and Figure A.8 and A.102)" and the "optional Member. feed hopper assembly, the whole cage, water flow meter apparatus (including filters and stop valve), the volume of metered water supply means and cement, aggregate weighing device. "Is replaced by a column items, namely as d) and e) items;

Definition 2) 3.11 to "rated capacity equal to the capacity of the dry material was stirred V_c or ready-mixed concrete V_u capacity";

3) Figure A.4 job length L_0 state boundaries marked wrong size, the size limit on the right to the same L_1 .

This part is proposed by China Machinery Industry Federation.

This part of the National Construction Machinery and Construction Equipment Standardization Technical Committee (SAC/TC328) centralized.

This section is responsible for drafting unit. Beijing Construction Machinery Institute of Science and Technology Co., Ltd., Xuzhou Construction Machinery Research Institute, Shenzhen, China test detected there Limited joint-stock company, Beijing Institute of Construction Mechanization.

1 Scope

This section GB/T 25637 specifies the concrete mixer of terms, definitions and commercial specifications.

This section applies to concrete mixer GB/T 18576 regulations, but not concrete mixer truck.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 18576 Building construction machinery and equipment - Terms and definitions (ISO 11375)

3 Terms and Definitions

GB/T 18576 and the following terms and definitions set forth in the application of this section.

Vertical shaft concrete mixer pan-typeconcretemixer Centerline axis vertical stirring device or mixing tank rotates around the fixed and rotating compulsory mixer.

Feeding time t_1 chargingtime A batch of concrete mixing materials into the mixer within the duration.

Note 1: referred to here as the mixer batch mixer.

Note 2: Feeding time t_1 in seconds (s).

Stirring time t_2 mixingtime stirred material from the feed end to the stirred mixing of materials between the time ends.

NOTE: Mixing time t_2 in seconds (s).

Stirring time t_2 mixingtime stirring the material in the stirred tank stay duration.

Note 1: The continuous mixer stirring time is calculated as follows.

$$t_2 = mc/qm$$

Where.

mc --- stirred tank mixing quality materials, in kilograms (kg);

qm --- stirring material on material flow, in kilograms per second (kg/s).

Note 2: stirring time t_2 in seconds (s).

Discharge time t_3 dischargingtime from the beginning to the expected duration of the discharge end.