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GB/T 997-2022 / IEC 60034-7:2020

Replacing GB/T 997-2008

**Classification of Types of Construction, Mounting
Arrangements and Terminal Box Position (IM Code) for
Rotating Electrical Machines**

[IEC 60034-7:2020, Rotating Electrical Machines – Part 7: Classification of Types of
Construction, Mounting Arrangements and Terminal Box Position (IM Code), IDT]

旋转电机结构型式、安装型式及接线盒位置的分类（IM 代码）

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Foreword

This Document was drafted as per the rules specified in GB/T 1.1-2020 *Directives for Standardization – Part 1: Rules for the Structure and Drafting of Standardizing Documents*.

This Document replaced GB/T 997-2008 *Rotating Electrical Machines - Classification of Types of Construction, Mounting Arrangements and Terminal Box Position (IM Code)*. Compared with GB/T 997-2008, the major technical changes of this Document are as follows besides the structural adjustments and editorial modifications:

- Delete the repeated description of the location of the junction box in Code 2 (see 3.5 of the 2008 Edition);
- Add the representation of the IM code when the shaft has an inclination angle (see 5.7 of this Edition).

This Document equivalently adopted IEC 60034-7:2020 *Rotating Electrical Machines – Part 7: Classification of Types of Construction, Mounting Arrangements and Terminal Box Position (IM Code)*.

This Document made the following minimum editorial modifications:

- In order to coordinate with the existing standards, change the standard name into *Classification of Types of Construction, Mounting Arrangements and Terminal Box Position (IM Code) for Rotating Electrical Machines*.
- Revise the original typos in Tables 6 ~ 14 from “see 3.5” to “see 5.6”.

Please note some contents of this Document may involve patents. The issuing agency shall not assume the responsibility to identify these patents.

This Document was proposed by China Electric Equipment Industry Association.

This Document shall be under the jurisdiction of National Technical Committee on Electric Rotating Machinery of Standardization Administration of China (SAC/TC 26).

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Classification of Types of Construction, Mounting Arrangements and Terminal Box Position (IM Code) for Rotating Electrical Machines

1 Scope

This Document specifies the IM Code, a classification of types of construction, mounting arrangements and the terminal box position of rotating electrical machines.

Two systems of classification are provided as follows:

- Code I (see Clause 4): An alpha-numeric designation applicable to machines with endshield bearing(s) and only one shaft extension.
- Code II (see Clause 5): An all-numeric designation applicable to a wider range of types of machines including types covered by Code I.

The type of machine not covered by Code II is fully described in words.

The relationship between Code I and Code II is given in Annex A.

2 Normative References

There are no Normative References in this Document.

3 Terms and Definitions

For the purposes of this Document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1 Type of construction

Arrangement of machine components with regard to fixings, bearing arrangement and shaft

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