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SECRETARIAT: United Kingdom	SECRETARY: Mr Charles Whitlock
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TITLE:**Dimensions and output series for rotating electrical machines – Part 2: Frame numbers 355 to 1000 and flange numbers 1180 to 2360**

NOTE FROM TC/SC OFFICERS:

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**DIMENSIONS AND OUTPUT SERIES
FOR ROTATING ELECTRICAL MACHINES –****Part 2: Frame numbers 355 to 1000 and flange numbers 1180 to 2360**

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International Standard IEC 60072-1 has been prepared by subcommittee WG12: Rating, performance and general support, of IEC technical committee TC2: Rotating machinery.

In the case of a **new edition replacing a previous edition**, complete the following text. In the case of a first edition, delete it, as it does not apply.

This 2nd edition cancels and replaces the 1th edition published in [publication_date], Amendment 1:[publication_date] and Amendment 2:[publication_date]. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) Complete revision on the basis of IEC60072-1
- b) Additional tolerances and measurements for shafts and flanges (DIN SPEC 42955)

The text of this International Standard is based on the following documents:

FDIS	Report on voting
XX/XX/FDIS	XX/XX/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

The National Committees are requested to note that for this document the stability date is 20XX..

THIS TEXT IS INCLUDED FOR THE INFORMATION OF THE NATIONAL COMMITTEES AND WILL BE DELETED AT THE PUBLICATION STAGE.

DIMENSIONS AND OUTPUT SERIES FOR ROTATING ELECTRICAL MACHINES –

Part 2: Frame numbers 355 to 1000 and flange numbers 1180 to 2360

1. Scope

This part of IEC 60072-2 covers the majority of rotating electrical machines for industrial purposes within the dimension range and output powers:

Foot- mounted: shaft heights: 355mm to 1000mm

Flange- mounted: pitch circle diameter of flange: 1180mm to 2360mm

It gives tables of fixing dimension, shaft extension dimensions and their tolerances. However, the variety of construction and the wide range of applications for the large machines with shaft heights above 315mm have led to the establishment of a relatively large number of values for the dimension in order to cover all possible constructions. Owing to this, the present part covers a wider range than IEC60072-1 within which, range values suitable for all designs or for a more detailed standardization can be chosen.

Note: the mounting dimensions given in this part for shaft-heights 355 and 400mm have been chosen from values given in IEC60072-1

2. Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC60072-1, *Dimensions and output series for rotating electrical machines – Part 1: Frame numbers 56 to 400 and flange numbers 55 to 1000*

ISO 128-3: *Technical product documentation (TPD) – General principles of representation – Part 3: Views, sections and cuts*

ISO 273, *Fasteners – Clearance holes for bolts and screws*

ISO 286 (all parts), *Geometrical product specifications (GPS) - ISO ISO code system for tolerances on linear sizes*

IEC 60034-7, *Rotating electrical machines – Part 7: Classification of types of construction and mounting arrangements and terminal box position (IM Code)*

ISO 1101, *Technical drawings – geometrical tolerancing- tolerancing of form, orientation, location and run out generalities, definitions, symbols, indications on drawings*

ISO 2768, *Permissible machining variations in dimensions without tolerance indication*

ISO 3: *Preferred numbers – Series of preferred numbers*