Equipment for harvesting – Combine harvester – Determination
and designation of grain tank capacity and unloading device performance


Swedish Standards corresponding to documents referred to in this Standard are listed in "Catalogue of Swedish Standards", issued by SIS. The Catalogue lists, with reference number and year of Swedish approval, International and European Standards approved as Swedish Standards as well as other Swedish Standards.

Lantbruk – Skördeutrustning – Skördetröskor – Bestämning och angivande av kapacitet för spannmålstankar och prestanda för tömningsanordning


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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 5687 was prepared by Technical Committee ISO/TC 23, Tractors and machinery for agriculture and forestry, Subcommittee SC 7, Equipment for harvesting and conservation.

This second edition cancels and replaces the first edition (ISO 5687:1981), which has been technically revised.
Equipment for harvesting — Combine harvesters — Determination and designation of grain tank capacity and unloading device performance

1 Scope

This International Standard specifies a method for determining and designating the capacity and unloading rate of combine harvester grain tanks and unloading systems.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.


3 Test method

3.1 Test preparations

3.1.1 During the test the combine harvester shall be stationary, placed horizontally on a level surface and running at rated speeds. The unloading device shall be engaged at rated speed with the feed table and threshing mechanisms previously engaged.

3.1.2 The wheat used for testing shall have a moisture content not exceeding 20 % measured in accordance with ISO 712, and a maximum impurity level of 3 %, measured in accordance with ISO 7970. A sample of the test wheat shall be taken and the wet basis moisture content, in percent, and the impurity content, in percent by mass, shall be determined and recorded. Also determine the mass per litre of the test wheat measured in accordance with ISO 7971-2.

3.1.3 To ensure that the grain tank and unloading system are effectively empty before starting the rating tests, operate the grain unloading mechanism until the main unloading stream of grain has stopped and then continue to run the unloading system for at least one more minute before stopping.

1) To be published. (Revision of ISO 7970:1989)