



SLOVENSKI STANDARD

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Profesionalni in komercialni kavni aparati - Metode za merjenje porabe energije in produktivnosti

Professional and commercial coffee machines - Methods for measuring energy consumption and productivity

Professionelle und gewerbliche Kaffeemaschinen - Messmethoden für Energieverbrauch und Produktivität

Machines à café professionnelles et commerciales - Méthodes pour mesurer la consommation énergétique et la productivité

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**Professional and commercial coffee machines - Methods for
measuring energy consumption and productivity**

Machines à café professionnelles et commerciales -
Méthodes pour mesurer la consommation énergétique et la
productivité

Professionelle und gewerbliche Kaffeemaschinen -
Messmethoden für Energieverbrauch und Produktivität

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European foreword

This document (EN 50730:2025) has been prepared by CLC/TC 59X “Performance of household and similar electrical appliances”.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2026-04-30
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2028-04-30

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1 Scope

This document defines methodologies to measure the energy consumption and productivity of coffee machines based on their characteristics.

This document applies to professional and commercial coffee machines used, for example, in kitchens and food preparation areas in restaurants, canteens, hotels, coffee shops, breakfast rooms.

This document does not apply to:

- household appliances;
- machines that use only coffee pods or coffee capsules;
- machines powered by non-electrical energy (i.e. gas);
- vending machines for hot beverages;
- milk refrigerators integrated or not into **traditional machines**;
- accessory equipment provided together with the machine (e.g. cup warmer, milk refrigerator) physically separated from the machine.

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.

ISO 7056:1981, *Plastics laboratory ware — Beakers*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply

<https://iso.org> and <https://iec.org> maintain terminology databases for use in standardization at the following addresses: 50730-2025

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

3.1 Coffee machine types

3.1.1

fully automatic machine

coffee machine, other than a vending machine, in which the preparation of the coffee starting from the ingredients up to the delivered beverage is fully controlled by the machine based on the input of the user

Note 1 to entry: The user typically places a cup underneath and presses a button, and the machine does the rest.

3.1.2

traditional machine

coffee machine in which the preparation of coffee requires pressurized hot water to pass through grinded coffee by one or more interventions of the user in process of preparation and delivery of coffee

EXAMPLES For intervention of the user the examples are manually filling of grinded coffee in the portafilter and manually emptying after the dispensing of the coffee.

Note 1 to entry: The user prepares coffee (properly grounded), put it into portafilter and mounts the portafilter on the coffee machine, then presses the button.