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Kitchen equipment — Coordinating sizes

Équipement de cuisine — Dimensions de coordination

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 136, *Furniture*.

This third edition cancels and replaces the second edition (ISO 3055:1985), which has been technically revised.

The main changes compared to the previous edition are as follows:

- Standard was fully revised;
- Specification of the scope;
- Terms and definitions of kitchen furniture and appliances added;
- Normative references revised;
- Requirements for the coordinating sizes (height, width and depth) of kitchen units and appliances given in more detail;
- Annexes A and B deleted.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The purpose of standardization of kitchen equipment is to allow components to be combined in arrangements which are harmonious and rational, due to account being taken of ergonomic and economic considerations.

To this end, the following aspects are considered:

- the sizes of component parts;
- the specific areas of each item of equipment, taking into account the possibility of their complete or partial overlapping;
- the location of pipes (water, gas, drainage, electricity);
- the combinations of components.

This document has been prepared according to the principles of modular coordination in building.

Attention is drawn to the fact that there can be national or regional regulations concerning supply of services, e.g. gas, electricity, water.

Attention is also drawn to the fact that there can be national or regional regulations/guidelines to cater for people with special needs.

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Kitchen equipment — Coordinating sizes

1 Scope

This document specifies dimensions for the height, width and depth of cabinets and worktops. Additionally, it defines the space for integrating appliances, such as sink units, ovens, refrigerators, in kitchens.

This document does not apply to customized kitchens.

This document does not apply to kitchens for commercial use, e.g. in hotels, restaurants, and hospitals.

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>

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3.1 Worktop

3.1.1

worktop

operating surface of the free standing or floor standing kitchen unit

3.1.2

height of worktop

vertical distance from the floor to the top of the worktop

Note 1 to entry: See Figure 1, h_1 .

3.1.3

depth of worktop

horizontal distance from the front edge to the rear edge of the worktop

Note 1 to entry: See Figure 2, l_1 .

3.1.4

depth of working area

horizontal distance from the front edge of the worktop to the wall attachment

Note 1 to entry: A wall attachment is typically recess panelling or wall end profiles.

Note 2 to entry: See Figure 2, l_5 .

3.1.5

overhang of the worktop

horizontal distance from the front edge of the worktop to the face of the front of the kitchen unit or the front of the appliance, measured at right angles to the front of the kitchen unit

Note 1 to entry: See Figure 2, l_2 .

3.1.6

distance between cooking hob and extractor hood

vertical distance from the upper surface of the pan base to the lower edge of the extractor hood

Note 1 to entry: See Figure 1, h_{10} .

Note 2 to entry: The required distance depends e.g. on the type of energy source for the cooking hob.

3.2 Kitchen unit

3.2.1

unit

item of storage furniture

3.2.2

free standing kitchen unit (island)

unit not intended to be attached to a load bearing structure

Note 1 to entry: See Figure 2 b).

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3.2.3

floor standing kitchen unit

unit intended to be supported by the floor

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3.2.4

wall hanging kitchen unit

unit intended to be entirely supported by a vertical structure

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3.2.5

installation height of the floor standing kitchen unit

vertical clear distance from the floor to the bottom of the worktop

Note 1 to entry: See Figure 1, h_2 .

3.2.6

height of the kitchen unit

distance from the top surface of the kitchen unit to the underside of the kitchen unit

Note 1 to entry: See Figure 1, h_3 .

3.2.7

total depth of the kitchen unit

horizontal distance from the front face to the rear edge of the kitchen unit excluding protruding parts

Note 1 to entry: Protruding parts are e.g. handles, knobs or operating elements.

Note 2 to entry: See Figure 2, l_3 .

3.2.8

depth of the kitchen unit

horizontal distance from the front edge of the kitchen unit to the rear edge of the kitchen unit

Note 1 to entry: See Figure 2, l_4 .

3.2.9**height of the feet/base**

vertical distance from the surface of the floor to the underside of the kitchen unit

Note 1 to entry: See Figure 1, h_4 .

Note 2 to entry: The height of the feet/base is not identical to the height of the plinth (see Figure 1, h_8).

3.2.10**height of the plinth**

vertical distance from the surface of the floor to the top of the plinth

Note 1 to entry: See Figure 1, h_8

3.2.11**feet recess**

horizontal distance from the kitchen unit front edge to the front of the feet

Note 1 to entry: See Figure 2, l_6 .

3.2.12**plinth recess**

horizontal distance from the front edge of the kitchen unit front to the front edge of the plinth

Note 1 to entry: See Figure 2, l_7 .

3.2.13**front height for dishwashers**

vertical distance from the underside of the worktop to the lower edge of the decorative panel

Note 1 to entry: See Figure 1, h_6 .

3.3 Recess for appliances**3.3.1****appliance/furniture space**

open space formed by furniture and/or appliance into which appliance or furniture are intended to be inserted

3.3.2**opening for appliance**

opening or cut-out in a unit or a worktop which is intended for the installation of a built-in appliance or installation element

3.3.3**protective wall panelling**

decorative design element for the rear delimitation of the wall, generally between the top of the worktop and the bottom of the upper cabinet

Note 1 to entry: See Figure 1, 1 and h_9 and Figure 2, 1 .

3.3.4**depth of adjusting area**

horizontal distance from the unit front edge to the rear edge of the rear appliance adjusting feet

Note 1 to entry: See Figure 2, l_8 .