

JIS

JAPANESE INDUSTRIAL STANDARD

Kitchen equipment — Coordinating sizes

JIS A 0017—1992

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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Kitchen equipment - Coordinating sizes

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1. Scope

This Japanese Industrial Standard specifies coordinating sizes ⁽²⁾ of kitchen equipment ⁽¹⁾ mainly used in dwellings.

Note ⁽¹⁾ The kitchen equipment means the equipment required for cooking works composed of the cabinet, sink, cooking work top, small kitchen range, appliances (heating cooking appliances, refrigerator, tableware washer, ventilation fan, etc.) to be set in a kitchen.

⁽²⁾ The coordinating size means the dimensions to be aimed for regulating the space between the building and kitchen equipment, regulating the space between the kitchen equipment and maintaining the function of kitchen equipment.

2. Definitions

For the purposes of this Standard, the following main definitions apply:

- (1) floor cabinet The cabinet positioned under the work top to be placed on the floor.
- (2) wall cabinet The cabinet attached to the surface of the wall.
- (3) tall cabinet The tall cabinet to be placed on the floor.
- (4) work top The member composing the surface for working of cooking.
- (5) sink The water tank to be assembled in the work top.

3. Dimensions

The height, depth and frontage sizes of kitchen equipment shall, as a rule, be as given in Table 1 and Fig. 1.

Further, in the case where the space for piping such as supply-exhaust water, gas, etc. is provided (hereafter referred to as the "service zone") those shall be as given in Table 2.

Table 1. Size of each part

Symbol	Name	Size
<i>A</i>	Height of work top	$8.5 M$
<i>B</i>	Height of plinth	50 mm min.
<i>C</i>	Nominal size of height from the floor up to the lower end of wall cabinet	$n \times M$. Provided that the minimum size is $13 M$.
<i>D</i>	Nominal size of height up to the upper end of tall cabinet and wall cabinet	$n \times M$. Provided that the minimum size is $19 M$, the preference size is $21 M$.
<i>E</i>	Nominal sizes of depths of work top, floor cabinet, and tall cabinet	$6 M$
<i>F</i>	Nominal size of depth of wall cabinet	$3 M$ or $3.5 M$. However, relating to the part of wall cabinet not less than 1600 mm in height from floor, it may be made $4 M$ (F' of Fig. 1) and relating to the part not less than 1800 mm, may be made $6 M$ (F'' of Fig. 1).
<i>G</i>	The step depth of plinth	50 mm min.

- Remarks
1. The nominal size of frontage of cabinet shall be $n \times M$.
 2. M shall be 100 mm.
 3. n shall be positive integer.
 4. As to the height of work top, $8 M$ is approved for a while.

Fig. 1. Symbols relating to sizes

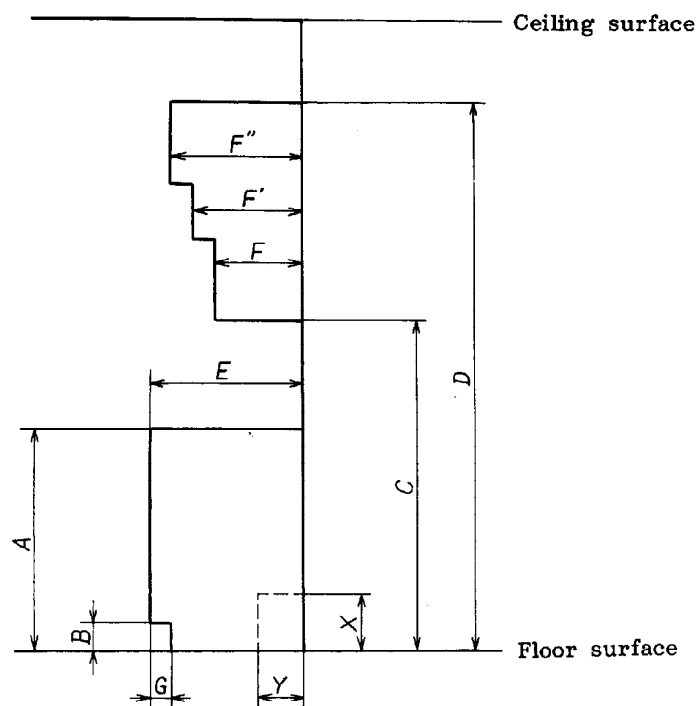
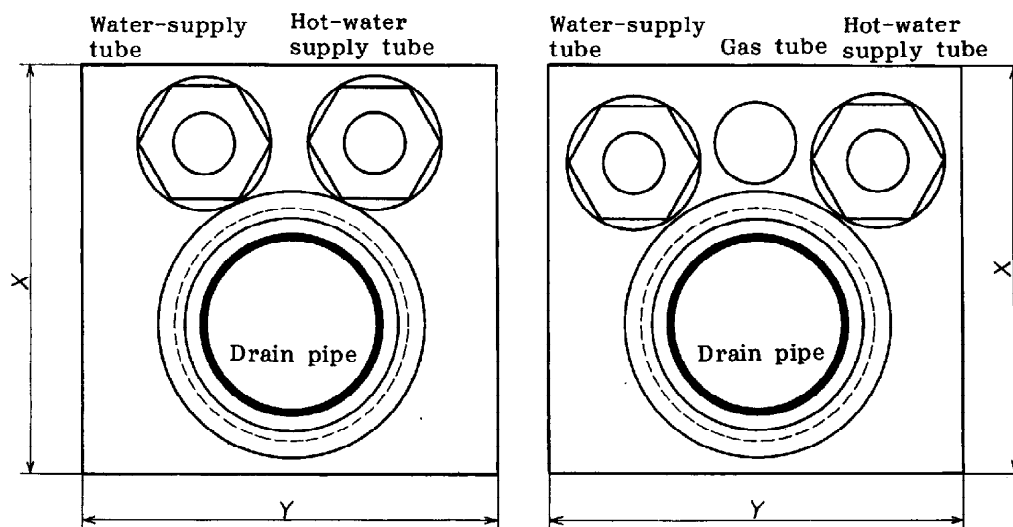


Table 2. Service zone

Symbol	Name	Size	Remarks
X	Height of service zone	100 mm min.	This part is to be provided with a lid or the like capable of being detached or opened.
Y	Depth of service zone	100 mm	

Informative Reference Fig. 1. Example figure of service zone



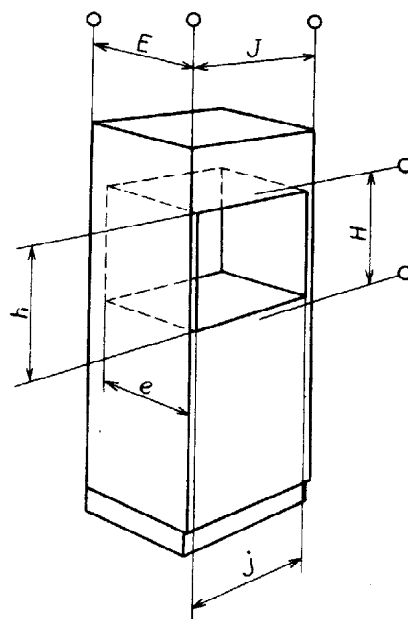
4. Size of opening part for installation of appliance

- (1) Sizes in the case of installing the appliance in cabinet shall be, as a rule, as given in Table 3 and Fig. 2.

Table 3

Symbol	Name	Size
<i>E</i>	Nominal size of depth of cabinet	To be as given in Table 1
<i>H</i>	Nominal size of height of opening part for installing appliance in cabinet	$n \times M$
<i>J</i>	Nominal size of frontage of cabinet	$n \times M$
<i>e</i>	Depth size of opening part for installing appliance in cabinet	$E-80$ mm is min.
<i>h</i>	Size of height of opening part for installing appliance in cabinet	$H-20$ mm is min.
<i>j</i>	Frontage size of opening part for installing appliance in cabinet	$J-50$ mm is min.

Fig. 2



- (2) Sizes in the case of installing an appliance under the work top shall be, as a rule, as given in Table 4 and Fig. 3.

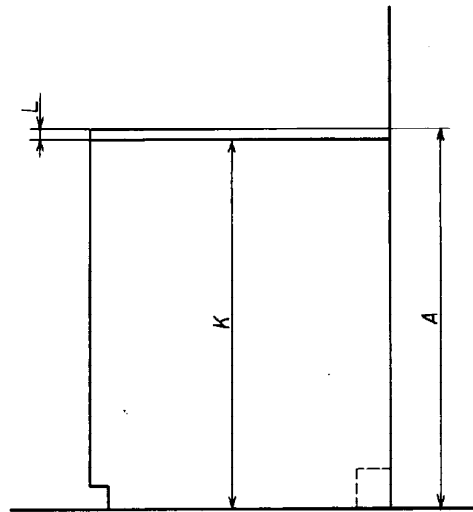
Table 4

Symbol	Name	Size
<i>A</i>	Height of work top	To be as given in Table 1.
<i>K</i>	Height size for installing appliance	820 mm
<i>L</i>	Thickness of work top	30 mm

Remarks: Relating to *K*, in the case where *A* is 8 M, it does not apply to height 820 mm for installing appliance.

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Fig. 3

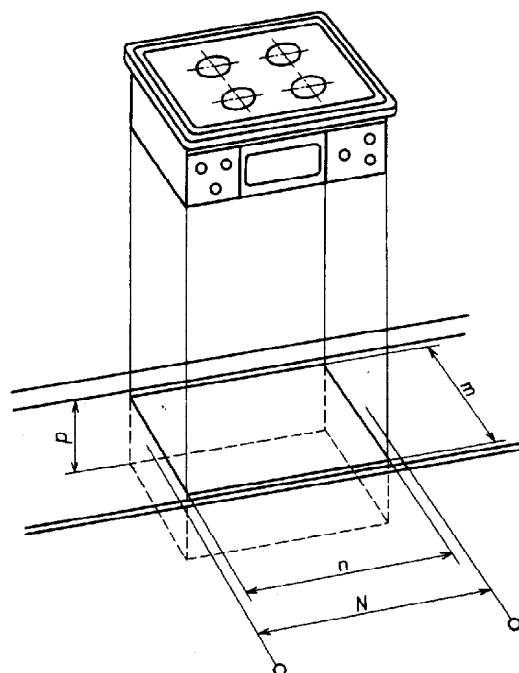


- (3) Sizes of opening part in the case of installing appliance in work top by drop-in shall be, as a rule, as given in Table 5 and Fig. 4.

Table 5

Symbol	Name	Size
N	Nominal size of frontage of work top for installing appliance by drop-in	$n \times M$
m	Size of depth of opening part of work top for installing appliance by drop-in	460^{+4}_0 mm, 500^{+4}_0 mm
n	Frontage size of opening part of work top for installing appliance by drop-in	$(n \times M - 40)^{+4}_0$ mm, $(n \times M - 50)^{+4}_0$ mm
p	Depth size for installing appliance by drop-in	150^{+2}_0 mm, 220^{+5}_0 mm, 270^{+5}_0 mm

Fig. 4

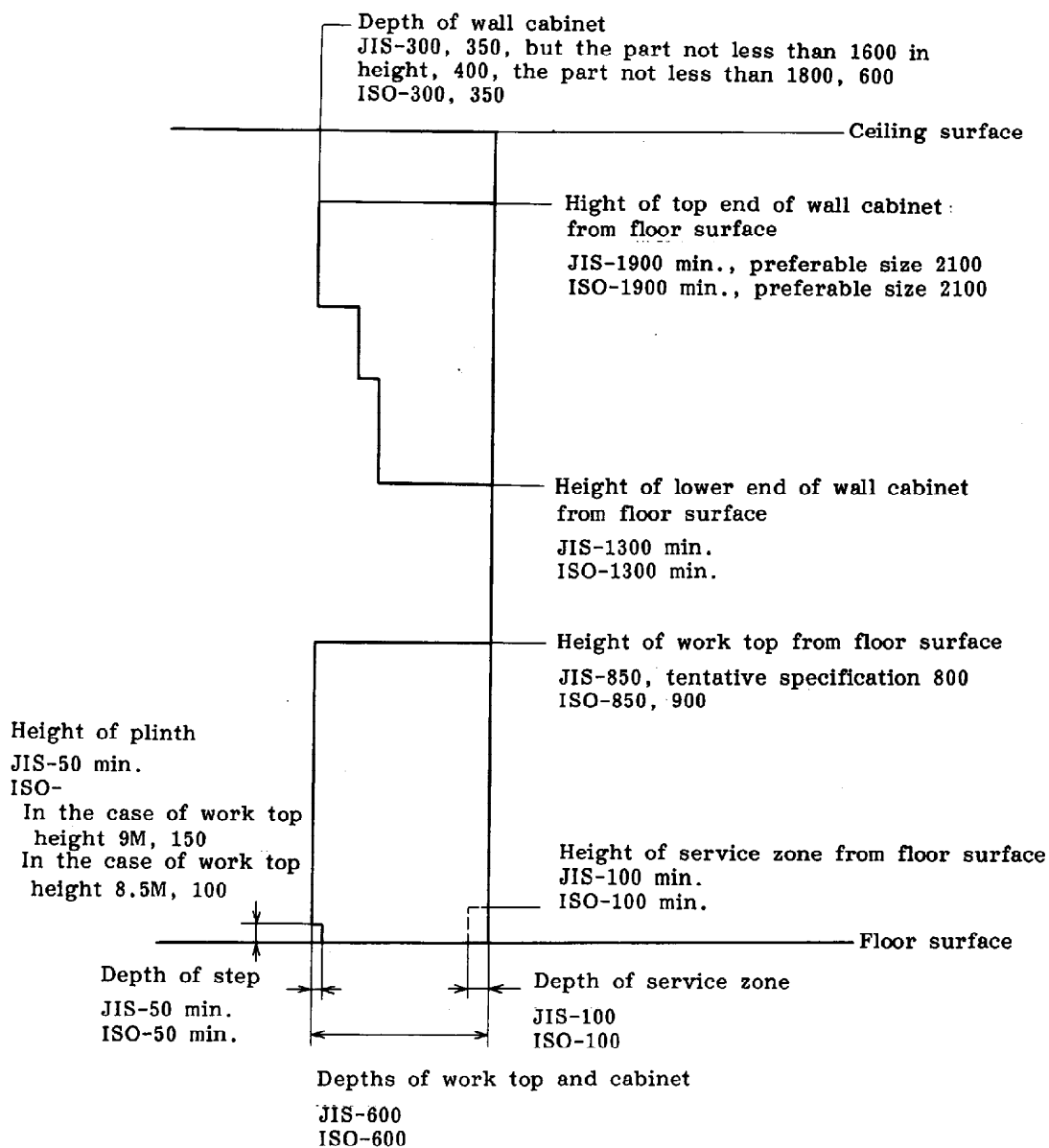


8.

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Informative Reference Fig. 2. Related figure of sizes of JIS and ISO

Unit: mm

**Reference Standards:**

- ISO 1006 Building construction - Modular coordination - Basic module
- ISO 3055 Kitchen equipment - Coordinating sizes
- ISO 5731 Kitchen equipment - Limit of size
- ISO 5732 Kitchen equipment - Sizes of openings for built-in appliances

A 0017-1992
Edition 1

Japanese Text

Established by Minister of International Trade and Industry

Date of Establishment: 1980-02-01

Date of Revision: 1992-03-01

Date of Public Notice in Official Gazette: 1992-04-28

Investigated by: Japanese Industrial Standards Committee

Divisional Council on Architecture

This English translation is published by:
Japanese Standards Association
1-24, Akasaka 4, Minato-ku,
Tokyo 107 Japan
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Printed in Tokyo by
Hohbunsha Co., Ltd.