

Appendix 1

IWH water dispenser power consumption standard

Power consumption standard (kWh)
$0.09 \times V_{eq} + 0.45$

Note: parameters in the table:

1. $V_{eq} = V_1 \times K_1 + (V_2 \times K_2) / 3$
2. V_1 : nominal capacity of hot water system tank (liter)
3. V_2 : nominal capacity of ice water system tank (liter)
4. V_1 and V_2 : round the value to the nearest tenth
5. Calculate value K_1 and K_2 according to the following formula after measuring ambient temperature ($^{\circ}\text{C}$), hot water average temperature T_h ($^{\circ}\text{C}$) and ice water average temperature T_c ($^{\circ}\text{C}$) based on regulations set forth in item 12.12 of CNS 3910.
 - (1) $K_1 = (T_h - \text{ambient temperature}) / (100 - \text{ambient temperature})$
 - (2) $K_2 = (\text{ambient temperature} - T_c) / \text{ambient temperature}$
 - (3) Round value K_1 and K_2 to the nearest thousandth

Appendix 2

Energy efficiency grade labeling management system account and password application form

Prepared on (ROC year): _____

By (company): _____

By (individual): _____ Tel.: _____ Fax: _____

E-MAIL: _____

Application product type: _____

Account ID: _____

Password: _____

This company is applying for required system login and use right and taking reliability of information provided with the system.

Stamp (company and owner chop):

Appendix 3

Application number:

IWH water dispenser energy efficiency grade labeling login application form

Prepared on (ROC year):

1. Basic supplier data

Company name: _____

Company address: _____

Owner: _____ Tax ID: _____

Contact: _____ Department: _____ Title: _____

Tel.: _____ Mobile: _____ Fax: _____

E-MAIL: _____

2. Manufacturer name and address

Same as the application supplier

Manufacturer name: _____

Manufacturer address: _____

3. Energy efficiency grade labeling contents

Product model	
Nominal capacity of hot water system tank (liter)	
Nominal capacity of ice water system tank (liter)	
Nominal value of standby loss in 24 hours E_{24} (kWh)	
Energy efficiency grade	
Annual power consumption for heat reserving (kWh)	

Publication year and document code of subject IWH water dispenser energy efficiency grade standard	
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Note: Make more copies to fill in required product data

4. Application statement and affidavit

This company hereby claims to the central Competent authority that information contained in the account application form are all true and shall take responsibility of any typo and legal requirements. This company hereby claims products available on the markets shall have the same energy efficiency grade labeling information as given in this application documents. In case of any error and falseness this company shall be subjected to penalties of registration revocation and relevant energy management regulations.

Official stamps by the applicant:

(Company and owner chops)

5. Registration agent authorization (not needed for login application by the supplier itself)

For login application operation taken by agent the mandatory shall be agreed by the application supplier.

Mandatory company name:

Owner:

Address:

Tax ID:

Tel.:

Appendix 4

Energy efficiency compliance type statement

This applicant claims the product of energy efficiency grade registration are made with the same test model referenced in the energy efficiency test report (including product structure, material, components, and energy efficiency). Product data:

1. Name: IWH water dispenser

2. Reference information of registration application model:

Test report ID	Test model given in test report	Product model subject to this energy efficiency grade registration application

Note: Make more copies to fill in required registration data

In case of any breach against guarantees made in this statement, the applicant shall take all relevant legal responsibilities and subject to penalties regulations set forth in energy management acts.

Attention to

Bureau of Energy, MOEA

Applicant: _____ (Company chop)

Owner: _____ (Owner chop)

Prepared on (ROC year):

Appendix 5

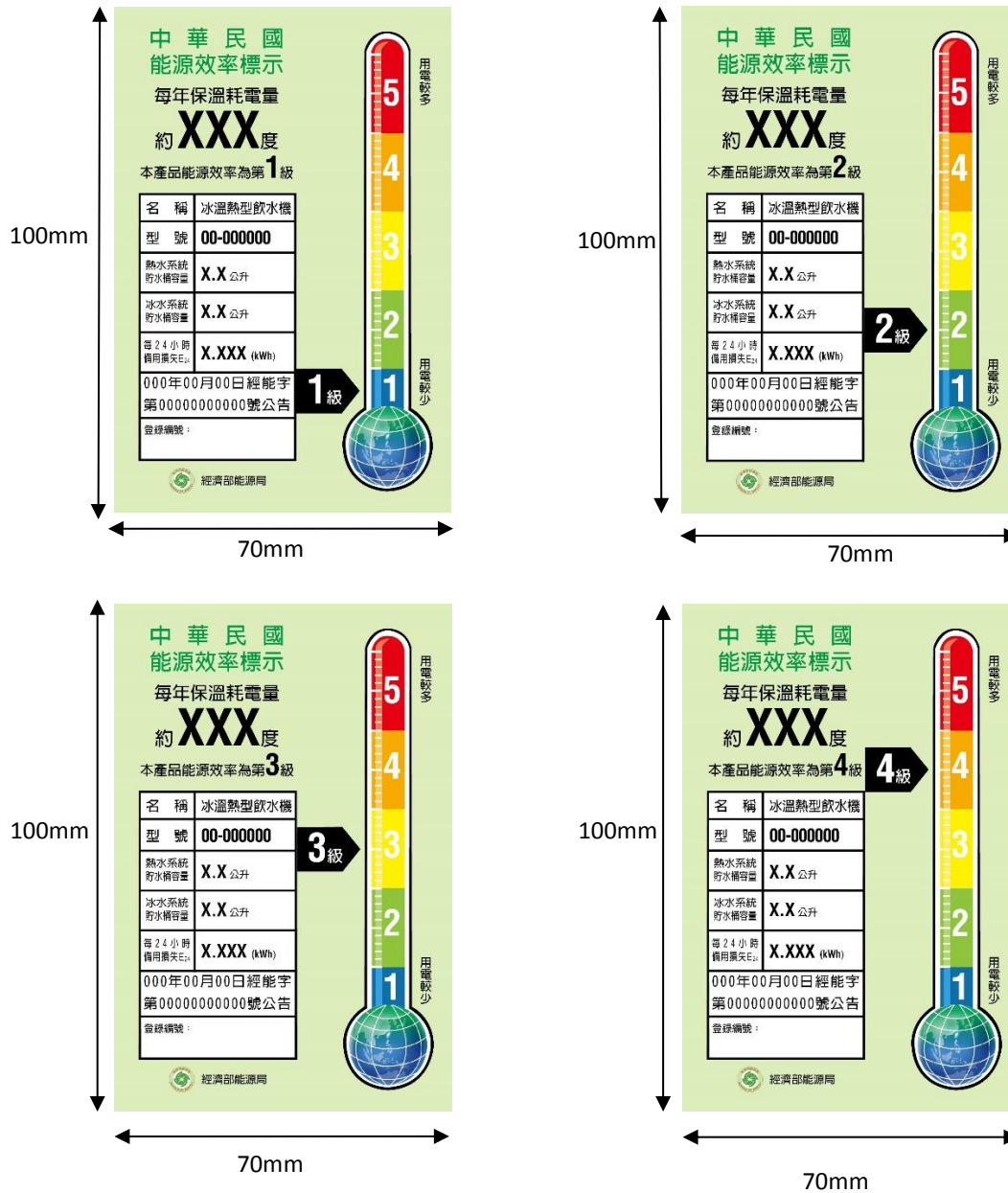
IWH water dispenser energy efficiency grade standard

Energy efficiency grade	Standard of each grade (kWh)
Grade 1	$E_{24} \leq 0.054 \times V_{eq} + 0.270$
Grade 2	$0.054 \times V_{eq} + 0.270 < E_{24} \leq 0.063 \times V_{eq} + 0.315$
Grade 3	$0.063 \times V_{eq} + 0.315 < E_{24} \leq 0.072 \times V_{eq} + 0.360$
Grade 4	$0.072 \times V_{eq} + 0.360 < E_{24} \leq 0.081 \times V_{eq} + 0.405$
Grade 5	$0.081 \times V_{eq} + 0.405 < E_{24} \leq 0.09 \times V_{eq} + 0.45$

Note: See appendix 1 for definition of V_{eq}

Figure 1

Energy efficiency grade labeling diagram (attached in product manual or to any visible position at front of product):



中華民國
能源效率標示

每年保溫耗電量 **5級**
約 **XXX** 度

本產品能源效率為第**5**級

名稱	冰溫熱型飲水機
型號	00-000000
熱水系統貯水桶容量	X.X 公升
冰水系統貯水桶容量	X.X 公升
每24小時機用損失E ₂₄	X.XXX (kWh)
000年00月00日經能字 第0000000000號公告	
登錄編號：	

經濟部能源局

100mm

70mm

Figure 2

Energy efficiency grade labeling diagram (attached to product catalogue):

能源效率
第 1 級

能源效率
第 2 級

能源效率
第 3 級

能源效率
第 4 級

能源效率
第 5 級

Note: Color and font of the diagram in figure 2 may be changed and proportionally enlarged as required at size at least 7mm×10mm