

LEGISLATIVE COUNCIL BRIEF

Energy Efficiency (Labelling of Products) Ordinance (Cap. 598)

Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedule 1) Order 2022 and Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedules 1 and 2) Order 2023

INTRODUCTION

This paper informs Members of the Government’s proposal to introduce into the Legislative Council (“LegCo”) the following Orders which amend the Energy Efficiency (Labelling of Products) Ordinance (Cap. 598) (the “Ordinance”) –

- (a) the Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedule 1) Order 2022 (at **Annex A**); and
- (b) the Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedules 1 and 2) Order 2023 (at **Annex B**).

RATIONALE

2. With a view to achieving the goal of carbon neutrality by Hong Kong by 2050, we need to adopt decarbonisation measures under a multi-pronged approach, including improving the energy efficiency of appliances.

3. The Ordinance has become effective since May 2008. Under the Ordinance, energy labels are required to be shown on all prescribed products for supply in Hong Kong to inform consumers of their energy

efficiency performance. The effectiveness of mandatory labelling schemes has been well recognised internationally. Over 40 economies, including the Mainland, the European Union, the United States, Canada, Australia, New Zealand, South Korea and Singapore, have implemented similar schemes. These schemes facilitate the public choosing more energy efficient appliances, hence saving energy and reducing the emissions of greenhouse gases.

4. The Mandatory Energy Efficiency Labelling Scheme (“MEELS”), now in its third phase, regulates a total of eight types of household electrical appliances (namely room air conditioners, refrigerating appliances, compact fluorescent lamps (“CFLs”), washing machines (with rated washing capacity not exceeding 10 kg), dehumidifiers, televisions, storage type electric water heaters and induction cookers). With a view to achieving further potential energy saving, we propose to take forward the fourth phase of MEELS, expanding the scope to include gas cookers, gas instantaneous water heaters and light emitting diode (“LED”) lamps. Together with the existing eight types of prescribed products in the first three phases, the total coverage of energy consumption in the residential sector by MEELS will substantially increase from about 50% to about 80%.

THE ORDERS

Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedule 1) Order 2022

5. The Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedule 1) Order 2022, which is subject to positive vetting by LegCo under section 54(3) of the Ordinance, seeks to amend Part 1 of Schedule 1 to the Ordinance. Its main provisions are set out below –

- (a) section 3 amends Part 1 of Schedule 1 to the Ordinance by adding LED lamps, gas cookers and gas instantaneous water heaters as prescribed products;

- (b) section 5 provides for a transitional period of 15 months for suppliers and manufacturers to prepare for the implementation of the Order;
- (c) section 6 provides for the transitional arrangements for the new prescribed products, the product models of which have been registered under the Voluntary Energy Efficiency Labelling Scheme; and
- (d) section 7 provides for the transitional arrangements for the new prescribed products that have already been procured, manufactured or imported before the commencement of the Order.

Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedules 1 and 2) Order 2023

6. The Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedules 1 and 2) Order 2023, which is subject to negative vetting by LegCo, seeks to amend Part 2 of Schedule 1 and Schedule 2 to the Ordinance. Its main provisions are as follows –

- (a) section 3 amends Part 2 of Schedule 1 to the Ordinance by adding the definitions of the new prescribed products; and
- (b) section 4 amends Schedule 2 to the Ordinance by mainly adding requirements for energy labels for the new prescribed products.

LEGISLATIVE TIMETABLE

7. The legislative timetable is as follows –

Moving motion on the Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedule 1) Order 2022	9 November 2022
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Tabling of the Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedules 1 and 2) Order 2023 To be notified

8. Upon LegCo's approval of the Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedule 1) Order 2022, the Government will table the Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedules 1 and 2) Order 2023, which provides for the specifications of energy labels for the products and other details, for negative vetting by LegCo.

IMPLICATIONS OF THE PROPOSAL

9. The proposal is in conformity with the Basic Law, including the provisions concerning human rights. The proposal has no productivity, family, gender, or civil service implications. The financial implications arising from the proposal will be absorbed by the Electrical and Mechanical Services Department ("EMSD"). On economic implications, the proposal will provide consumers with more information for making informed choice on energy efficient products, therefore fostering sustainable consumption.

10. The proposal will bring about environmental and sustainability benefits as it will help enhance energy saving and reduce carbon emissions. In particular, it is estimated that the potential annual energy saving arising from the fourth phase of MEELS will be around 568.8 terajoules, which is equivalent to the reduction of 75 350 tonnes of carbon emissions per year. Compared with the first three phases of MEELS and the two grading standards upgrading exercises, the implementation of the fourth phase of MEELS would bring an additional energy saving and reduction of carbon emissions by around 17%.

PUBLIC CONSULTATION

11. In the fourth quarter of 2019, EMSD set up two task forces, comprising representatives from relevant trade associations, the Consumer

Council and major importers, to, amongst other things, consult the trade and major stakeholders on the proposed electrical and gas appliances to be included in the fourth phase of MEELS. The Energy Efficiency and Conservation and Renewable Energy Sub-committee under the Energy Advisory Committee was consulted in February 2021, and the Sub-committee was supportive of the proposal.

12. EMSD subsequently conducted a public consultation on the proposed products for the fourth phase of MEELS from March to May in 2021. The views received have been suitably incorporated in the legislative proposal.

13. The LegCo Panel on Environmental Affairs was consulted in July 2021 and Members were in general supportive of the proposal.

14. EMSD conducted a trade consultation on the Revision of the Code of Practice on Energy Labelling of Products (“CoP”) for the Fourth Phase of MEELS from June to August in 2022. The views collected have been suitably incorporated in the revised CoP.

PUBLICITY

15. A press release will be issued on 19 October 2022. A spokesman will be available to handle enquires.

ENQUIRIES

16. Any enquiry on this brief should be addressed to Mr José Yam, Principal Assistant Secretary for Environment and Ecology (Energy), at 3509 8619.

Environment and Ecology Bureau
19 October 2022

**Energy Efficiency (Labelling of Products) Ordinance
(Amendment of Schedule 1) Order 2022**

(Made by the Secretary for Environment and Ecology under section 54 of the Energy Efficiency (Labelling of Products) Ordinance (Cap. 598) subject to the approval of the Legislative Council)

Part 1

Preliminary

1. Commencement

This Order comes into operation on a day to be appointed by the Secretary for Environment and Ecology by notice published in the Gazette.

Part 2

**Amendment to Energy Efficiency (Labelling of
Products) Ordinance**

2. **Energy Efficiency (Labelling of Products) Ordinance amended**
The Energy Efficiency (Labelling of Products) Ordinance (Cap. 598) is amended as set out in section 3.
 3. **Schedule 1 amended (prescribed products)**
Schedule 1, Part 1, after section 8—
Add
“9. LED lamps within the description in Division 9 of Part 2.
10. Gas cookers within the description in Division 10 of Part 2.
11. Gas instantaneous water heaters within the description in Division 11 of Part 2.”.
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Part 3

Transitional Provisions

4. Interpretation of Part 3

In this Part—

commencement date (生效日期) means the date on which this Order comes into operation;

new prescribed product (新訂明產品) means—

- (a) an LED lamp specified in section 9 in Part 1 of Schedule 1 to the Ordinance;
- (b) a gas cooker specified in section 10 in that Part; or
- (c) a gas instantaneous water heater specified in section 11 in that Part;

transitional period (過渡期) means the period of 15 months beginning on the commencement date;

voluntary labelling scheme (自願性標籤計劃) means the Hong Kong Voluntary Energy Efficiency Labelling Scheme operated by the Electrical and Mechanical Services Department.

5. Application of sections 4, 5 and 16(1)(a) and (b) of Ordinance during transitional period

Sections 4, 5 and 16(1)(a) and (b) of the Ordinance do not apply in relation to a new prescribed product during the transitional period.

6. New prescribed products registered under voluntary labelling scheme

For the purposes of section 6(1) of the Ordinance, a person is regarded as having submitted the specified information and specified

documents in respect of a product model of a new prescribed product in accordance with section 6 of the Ordinance if—

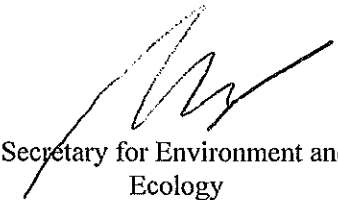
- (a) the product model has been registered in the name of the person under the voluntary labelling scheme;
- (b) the person has submitted, in the specified form and during the transitional period, to the Director the following information—
 - (i) the name and business address of the person;
 - (ii) the particulars of the product model, including its brand name, model name, and (as declared by the person) energy efficiency and performance characteristics;
 - (iii) the energy efficiency, and performance characteristics, of the product model as measured by tests carried out by an institution recognized by the Director;
 - (iv) the calculation of the energy efficiency grading of the product model in accordance with the method specified in the approved code of practice;
 - (v) information, apart from the reference number and the year, that will appear on the energy label for the product model;
 - (vi) the registration number of the registration referred to in paragraph (a); and
- (c) the registration referred to in paragraph (a) is valid when the person submits the information in accordance with paragraph (b).

7. **New prescribed products already procured, manufactured or imported**

- (1) If it is proved to the satisfaction of the Director that before the commencement date, a contract has been entered into for the procurement of a new prescribed product that is to be supplied in Hong Kong as part of, or in connection with, the disposition of any specified premises, sections 4 and 5 of the Ordinance do not apply in relation to the product so supplied.
- (2) If it is proved to the satisfaction of the Director that before the commencement date, a new prescribed product has been manufactured in or imported into Hong Kong, sections 4 and 5 of the Ordinance do not apply in relation to the product.

8. **Section 56 of Ordinance not applicable**

To avoid doubt, section 56 of the Ordinance does not apply in relation to a new prescribed product.


Secretary for Environment and
Ecology

7 October 2022

Explanatory Note

Under section 4 of the Energy Efficiency (Labelling of Products) Ordinance (Cap. 598) (*Ordinance*), a manufacturer or importer must not supply a prescribed product unless the product—

- (a) is a product of a listed model with a reference number assigned by the Director of Electrical and Mechanical Services (*Director*); and
 - (b) bears an energy label.
2. A similar requirement is imposed under section 5 of the Ordinance on a person who is not a manufacturer or importer of a prescribed product.
 3. This Order amends Part 1 of Schedule 1 to the Ordinance by adding LED lamps, gas cookers and gas instantaneous water heaters (*new prescribed products*) as prescribed products under the Ordinance.
 4. Section 5 of the Order provides for a 15-month transitional period during which sections 4 and 5 of the Ordinance, as well as section 16(1)(a) and (b) of the Ordinance which empowers the Director to prohibit the supply of a prescribed product in certain circumstances, do not apply in relation to the new prescribed products.
 5. Sections 6 and 7 of the Order contain transitional provisions for the new prescribed products—
 - (a) the product models of which have been registered under the Hong Kong Voluntary Energy Efficiency Labelling Scheme;
 - (b) that have been procured under a contract entered into before the commencement date of the Order for supplying as part of, or in connection with, the disposition of certain premises; or

Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedule 1)
Order 2022

Explanatory Note
Paragraph 5

7

- (c) that have been manufactured in or imported into Hong Kong before the commencement date of the Order.

Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedules 1 and 2) Order 2023

(Made by the Secretary for Environment and Ecology under section 54 of the Energy Efficiency (Labelling of Products) Ordinance (Cap. 598))

1. Commencement

This Order comes into operation on a day to be appointed by the Secretary for Environment and Ecology by notice published in the Gazette.

2. Energy Efficiency (Labelling of Products) Ordinance amended

The Energy Efficiency (Labelling of Products) Ordinance (Cap. 598) is amended as set out in sections 3 and 4.

3. Schedule 1 amended (prescribed products)

Schedule 1, Part 2, after Division 8—

Add

“Division 9—LED Lamps

1. In this Schedule—

LED lamp (LED 燈) means a lamp—

- (a) that uses the light-emitting diode technology, but not the organic light-emitting diode technology, to emit light; and
- (b) that—
 - (i) is capable of providing general lighting;
 - (ii) uses mains electricity as the only power source; and

- (iii) has a rated lamp wattage not exceeding 60 watts.

2. In this Division—

general lighting (一般照明) means illumination—

- (a) that is uniform across the area being illuminated; and
- (b) with all of the following optical characteristics—
 - (i) chromaticity coordinates x and y are within the range of—
 - (A) $0.270 < x < 0.530$; and
 - (B) $-2.3172 x^2 + 2.3653 x - 0.2199 < y < -2.3172 x^2 + 2.3653 x - 0.1595$;
 - (ii) luminous flux is not less than 60 lumens;

lamp (燈) means a product—

- (a) that is designed to emit light by using electricity; and
- (b) that is an encased assembly comprising—
 - (i) a light source;
 - (ii) a single lamp cap; and
 - (iii) a control gear, and any additional component, that is necessary for the stable operation of the product;

Note (with no legislative effect)—

A luminaire, which is a complete lighting unit comprising one or more lamps or light sources, fittings and electric wires, does not fall within this definition.

lamp cap (燈頭), in relation to a product, means a part of the product that connects the product to a lamp-holder or lamp connector for electricity;

mains electricity (市電) means the electricity that is supplied in Hong Kong at a voltage of 380/220V and a frequency of 50 Hz;

rated lamp wattage (額定瓦數值), in relation to a product, means the wattage of the product as determined and declared by the manufacturer or importer of the product in accordance with the standard and requirements specified in the approved code of practice.

Division 10—Gas Cookers

1. In this Schedule—

gas cooker (氣體煮食爐)—

(a) means a product—

- (i) that is a domestic gas appliance as defined by regulation 2 of the Gas Safety (Installation and Use) Regulations (Cap. 51 sub. leg. C);
- (ii) that is designed for producing flames for cooking by burning town gas, or liquefied petroleum gas, as defined by section 2 of the Gas Safety Ordinance (Cap. 51); and

(iii) that—

- (A) is of either built-in type or tabletop type; and
- (B) has a rated heat input not exceeding 7 kilowatts for each burner; but

(b) does not include a portable cassette cooker.

2. In this Division—

burner (燃燒器), in relation to a product, means a part of the product that mixes gas with air for combustion;

portable cassette cooker (手提卡式煮食爐) means a product that is designed for producing flames for cooking by burning liquefied petroleum gas supplied by a disposable cylinder as defined by section 2 of the Gas Safety Ordinance (Cap. 51);

rated heat input (額定熱負荷), in relation to a burner of a product, means the heat input of the burner when operating independently, as determined and declared by the manufacturer or importer of the product in accordance with the standard and requirements specified in the approved code of practice.

3. For paragraph (a)(iii)(A) of the definition of *gas cooker* in section 1—

- (a) a product is of built-in type if it is designed to be installed in a hollow of a similar size as the product in a kitchen worktop; and
- (b) a product is of tabletop type if it is designed to be a stand-alone appliance that rests on a flat surface.

Division 11—Gas Instantaneous Water Heaters

1. In this Schedule—

gas instantaneous water heater (即熱式氣體熱水爐) means a product—

- (a) that is a domestic gas appliance as defined by regulation 2 of the Gas Safety (Installation and Use) Regulations (Cap. 51 sub. leg. C);
- (b) that—
 - (i) is designed for heating water that flows through the product's heat exchanger by burning town gas, or liquefied petroleum gas,

- as defined by section 2 of the Gas Safety Ordinance (Cap. 51); and
- (ii) has a mechanism to control gas passage relative to water flow; and
 - (c) that has a rated heat input not exceeding 70 kilowatts.

2. In section 1—

rated heat input (額定熱負荷), in relation to a product, means the heat input of the product as determined and declared by the manufacturer or importer of the product in accordance with the standard and requirements specified in the approved code of practice.”.

4. **Schedule 2 amended (specification of energy labels)**

- (1) Schedule 2, Part 1, after section 8—

Add

“9. The requirements to be complied with by energy label for LED lamps are specified in Part 10.

10. The requirements to be complied with by energy label for gas cookers are specified in Part 11.

11. The requirements to be complied with by energy label for gas instantaneous water heaters are specified in Part 12.”.

- (2) Schedule 2, Part 4, section 1—

Repeal

“largest”.

- (3) Schedule 2, English text, Part 4, section 1—

Repeal

“labels”

Substitute

“label”.

- (4) Schedule 2, Part 4, section 4—

Repeal

“energy label in Part 4”

Substitute

“largest energy label”.

- (5) Schedule 2, Part 4—

Repeal section 5

Substitute

- “5. (1) Subject to subsection (2), the energy label is to be printed on or affixed to a prominent position of the individual product packaging and is to be clearly visible.

(2) The energy label may be attached to the product packaging in a manner, if any, approved by the Director.”.

- (6) Schedule 2, Part 4, section 6—

Repeal

everything after “label is to be chosen”

Substitute

“in accordance with the following criteria—

- (a) the energy label is to be encircled by a blank border that is at least 2 mm wide, and it must not cover more than 50% of the surface area of the largest side of the product packaging;

- (b) the size specified in section 2 of this Part (*largest label size*) is to be chosen if all the requirements in

- paragraph (a) (*paragraph (a) requirements*) can be complied with by choosing that size;
- (c) if the paragraph (a) requirements cannot be complied with by choosing the largest label size, then the largest of the following sizes that complies with the paragraph (a) requirements is to be chosen—
- (i) 90% of the largest label size;
 - (ii) 80% of the largest label size;
 - (iii) 70% of the largest label size;
 - (iv) 60% of the largest label size;
- (d) if a size smaller than the largest label size is chosen in accordance with paragraph (c), sections 2 and 4 of this Part have effect as if the dimensions specified in that section 2 and the font size specified in that section 4 were adjusted proportionately;
- (e) if the product packaging is so small that choosing a size of 60% of the largest label size would not comply with the paragraph (a) requirements, the specified person in respect of the product is to apply for the Director's directions on the manner of displaying the energy label on the packaging.”.

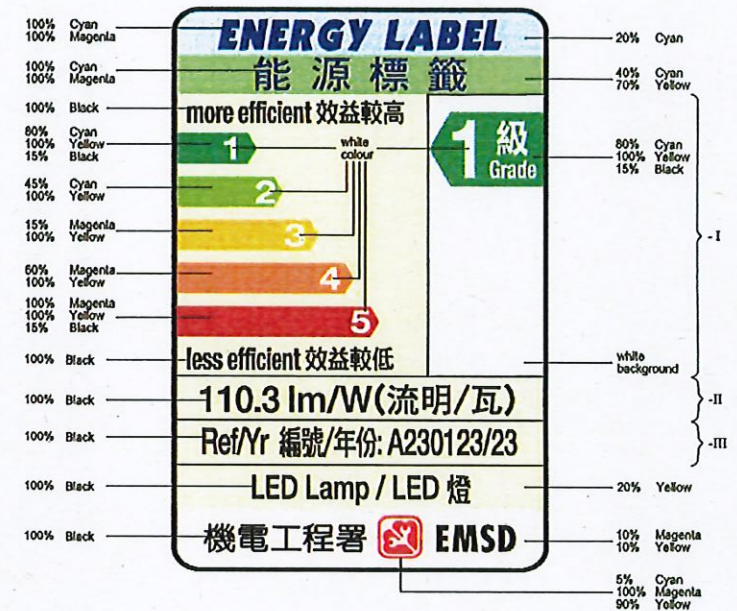
(7) Schedule 2, after Part 9—

Add

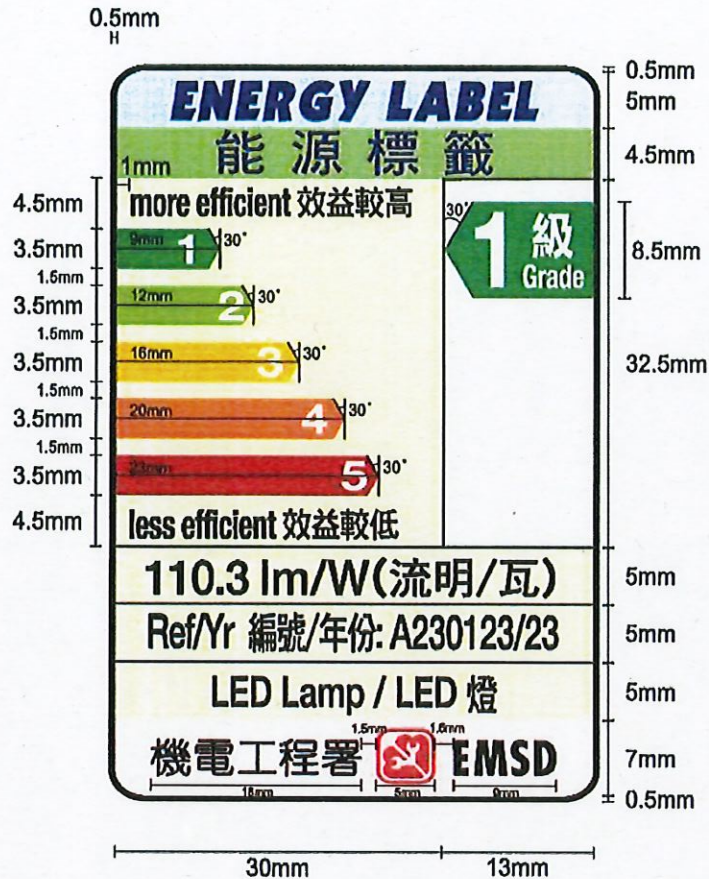
“Part 10

Requirements to be Complied with by Energy Label for LED Lamps

1. The colour and design of the energy label must be as specified in the diagram below—



2. The dimensions of the largest energy label must be as specified in the diagram below—



Actual Size : 44mm(W) x 65mm(H)

3. The energy label under section 1 of this Part is divided into 3 rectangular areas (marked “I”, “II” and “III” by the side of the label). The information to be contained in each area of the

energy label is specified in column 2 of Table I in relation to the area specified opposite to that information in column 1 of the Table.

Table I

Column 1 Area	Column 2 Information to be contained
I	The energy efficiency grading of the model, calculated in accordance with the approved code of practice. The head of the arrow containing the energy efficiency grade number is to be placed at the same level and has the same colour as the head of the relevant arrow on the left.
II	The lumens per watt, being the lamp lumen efficacy calculated by computing the ratio of the measured lamp luminous flux and the lamp electrical power input, determined in accordance with the approved code of practice.
III	The reference number assigned by the Director and the year in which the reference number is assigned or, if the energy efficiency grading is calculated in accordance with the new calculation method under section 12 of this Ordinance, the year in which the new calculation method takes effect.

4. The specifications for the font and font size of the words printed on the largest energy label are as follows—

Column 1 Description on the energy label	Column 2 Font and font size
ENERGY LABEL	13 point Italic Kabel Ult BT (English)
能源標籤	12.5 point DFHeiBold (Chinese)
more efficient	9.6 point Helvetica Neue Bold (English)
效益較高	9.1 point DFHeiBold (Chinese)
less efficient	9.6 point Helvetica Neue Bold (English)
效益較低	9.1 point DFHeiBold (Chinese)
Grade on the left (1, 2, 3, 4, 5)	10.6 point Helvetica Neue Bold (English)
Grade on the right— The word “Grade”	8 point Helvetica Neue Bold Condensed (English)
The figure “1”	27 point Helvetica Neue Bold (English)
The word “級”	14 point DFHeiBold (Chinese)
lm/W	11.8 point Helvetica Neue Medium (English)
(流明/瓦)	10.8 point DFHeiBold (Chinese)

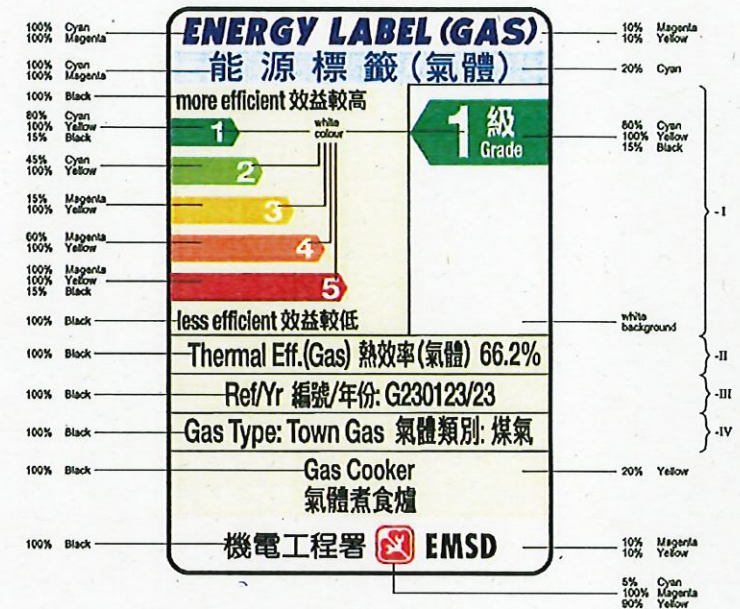
Column 1 Description on the energy label	Column 2 Font and font size
Figure of lm/W	11.8 point Helvetica Neue Medium (English)
Ref/Yr	11.8 point Helvetica Neue Medium Condensed (English)
編號/年份：	10.8 point DFHeiBold Condensed (Chinese)
Characters of reference number and year	11.8 point Helvetica Neue Medium Condensed (English)
LED Lamp /	10.65 point Helvetica Neue Medium (English)
LED 燈	10.65 point Helvetica Neue Medium (English)
	10.65 point DFHeiBold (Chinese)
機電工程署	10.4 point Monotype Yuen (Chinese)
EMSD and its logo	11.6 point Futura Bold Condensed (English)
5. (1)	Subject to subsection (2), the energy label is to be printed on or affixed to a prominent position of the individual product packaging and is to be clearly visible.
(2)	The energy label may be attached to the product packaging in a manner, if any, approved by the Director.

6. The size of the energy label is to be chosen in accordance with the following criteria—
- the energy label is to be encircled by a blank border that is at least 2 mm wide, and it must not cover more than 50% of the surface area of the largest side of the product packaging;
 - the size specified in section 2 of this Part (*largest label size*) is to be chosen if all the requirements in paragraph (a) (*paragraph (a) requirements*) can be complied with by choosing that size;
 - if the paragraph (a) requirements cannot be complied with by choosing the largest label size, then the largest of the following sizes that complies with the paragraph (a) requirements is to be chosen—
 - 90% of the largest label size;
 - 80% of the largest label size;
 - 70% of the largest label size;
 - 60% of the largest label size;
 - if a size smaller than the largest label size is chosen in accordance with paragraph (c), sections 2 and 4 of this Part have effect as if the dimensions specified in that section 2 and the font size specified in that section 4 were adjusted proportionately;
 - if the product packaging is so small that choosing a size of 60% of the largest label size would not comply with the paragraph (a) requirements, the specified person in respect of the product is to apply for the Director's directions on the manner of displaying the energy label on the packaging.

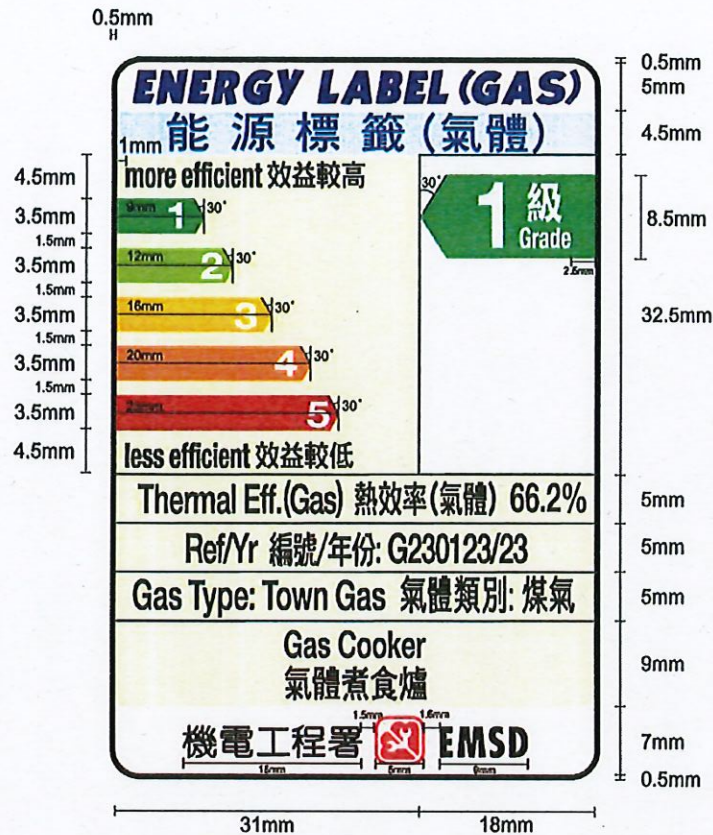
Part 11

Requirements to be Complied with by Energy Label for Gas Cookers

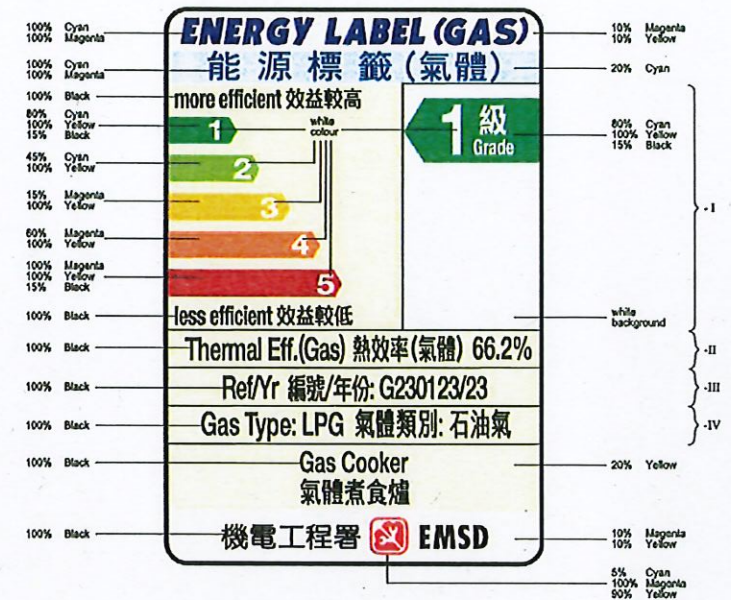
1. The colour and design of the energy label for a gas cooker that burns town gas must be as specified in the diagram below—



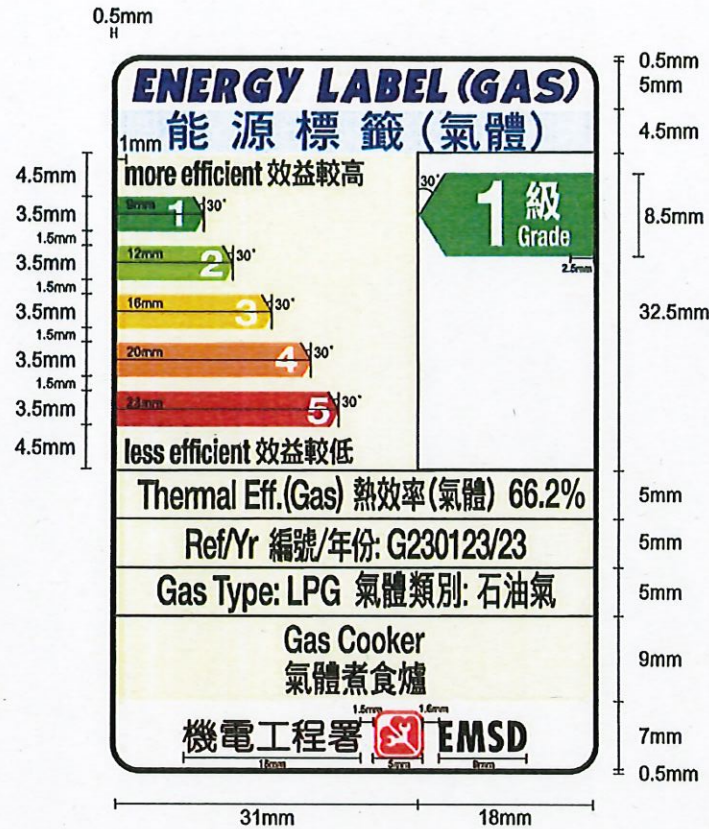
2. The dimensions of the energy label for a gas cooker that burns town gas must be as specified in the diagram below—



3. The colour and design of the energy label for a gas cooker that burns liquefied petroleum gas must be as specified in the diagram below—



4. The dimensions of the energy label for a gas cooker that burns liquefied petroleum gas must be as specified in the diagram below—



Actual Size : 50mm(W) x 74mm(H)

5. The energy label under section 1 or 3 of this Part is divided into 4 rectangular areas (marked “I”, “II”, “III” and “IV” by the side of the label). The information to be contained in each area of the energy label is specified in column 2 of Table J in relation

to the area specified opposite to that information in column 1 of the Table.

Table J

Column 1 Area	Column 2 Information to be contained
I	The energy efficiency grading of the model, calculated in accordance with the approved code of practice. The head of the arrow containing the energy efficiency grade number is to be placed at the same level and has the same colour as the head of the relevant arrow on the left.
II	The thermal efficiency, calculated by computing the ratio of the heat generated at a given time to the measured heat input, determined in accordance with the approved code of practice.
III	The reference number assigned by the Director and the year in which the reference number is assigned or, if the energy efficiency grading is calculated in accordance with the new calculation method under section 12 of this Ordinance, the year in which the new calculation method takes effect.
IV	The type of gas burnt by a gas cooker of the model.

6. The specifications for the font and font size of the words printed on one or both of the energy labels in this Part are as follows—

Column 1 Description on the energy label	Column 2 Font and font size
ENERGY LABEL (GAS) 能源標籤(氣體)	13 point Italic Kabel Ult BT (English) 12.5 point DFHeiBold (Chinese)
more efficient	9.6 point Helvetica Neue Bold (English)
效益較高	9.1 point DFHeiBold (Chinese)
less efficient	9.6 point Helvetica Neue Bold (English)
效益較低	9.1 point DFHeiBold (Chinese)
Grade on the left (1, 2, 3, 4, 5)	10.6 point Helvetica Neue Bold (English)
Grade on the right— The word “Grade”	8 point Helvetica Neue Bold Condensed (English)
The figure “1”	27 point Helvetica Neue Bold (English)
The word “級”	14 point DFHeiBold (Chinese)
Thermal Eff.(Gas)	11.8 point Helvetica Neue Medium Condensed (English)
熱效率(氣體)	10.8 point DFHeiBold Condensed (Chinese)

Column 1 Description on the energy label	Column 2 Font and font size
Figure of thermal efficiency and the sign “%”	11.8 point Helvetica Neue Medium Condensed (English)
Ref/Yr	11.8 point Helvetica Neue Medium Condensed (English)
編號/年份：	10.8 point DFHeiBold Condensed (Chinese)
Characters of reference number and year	11.8 point Helvetica Neue Medium Condensed (English)
Gas Type:	11.8 point Helvetica Neue Medium Condensed (English)
氣體類別：	10.8 point DFHeiBold Condensed (Chinese)
Town Gas	11.8 point Helvetica Neue Medium Condensed (English)
煤氣	10.8 point DFHeiBold Condensed (Chinese)
LPG	11.8 point Helvetica Neue Medium Condensed (English)
石油氣	10.8 point DFHeiBold Condensed (Chinese)

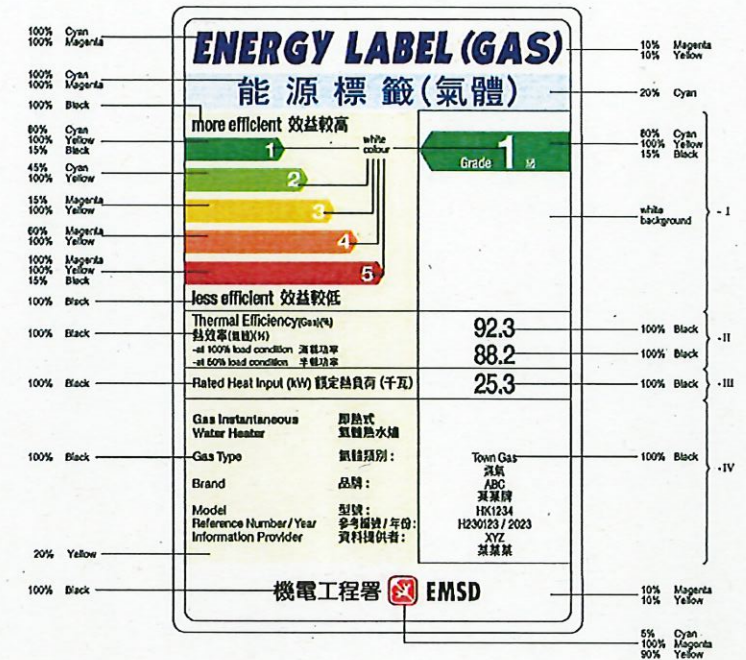
Column 1	Column 2
Description on the energy label	Font and font size
Gas Cooker	10.65 point Helvetica Neue Medium (English)
氣體煮食爐	10.65 point DFHeiBold (Chinese)
機電工程署	10.4 point Monotype Yuen (Chinese)
EMSD and its logo	11.6 point Futura Bold Condensed (English)

7. (1) Subject to subsection (3), the energy label is to be attached or affixed to a prominent position of the gas cooker and is to be clearly visible.
- (2) To avoid doubt, if only a part of the gas cooker is being exhibited, the energy label is to be attached or affixed to a prominent position of that part and is to be clearly visible.
- (3) The energy label may be attached to the gas cooker or its packaging in a manner, if any, approved by the Director.

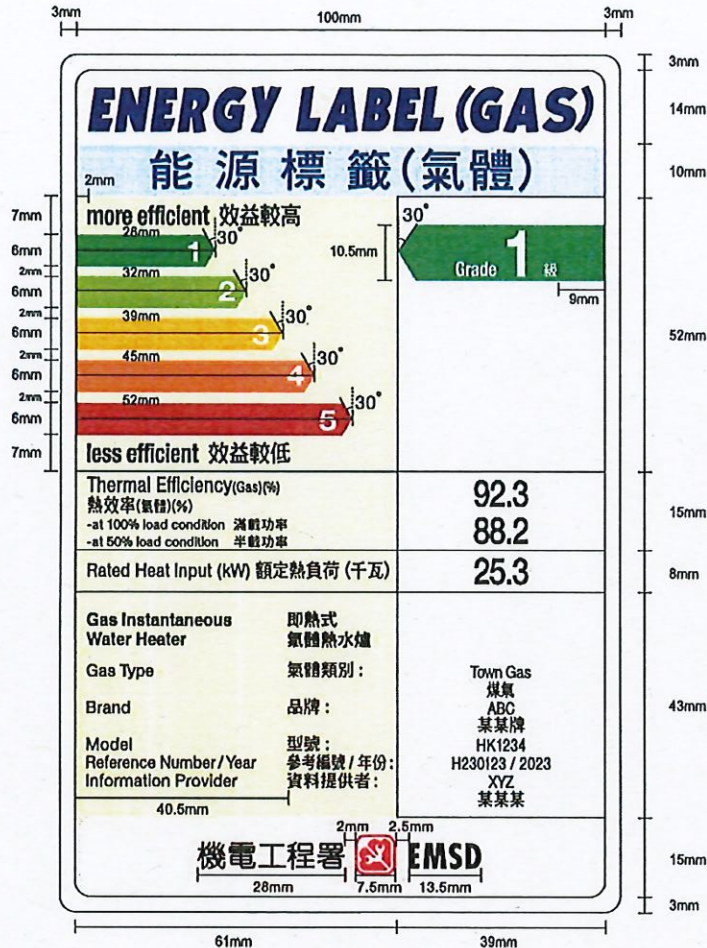
Part 12

Requirements to be Complied with by Energy Label for Gas Instantaneous Water Heaters

1. The colour and design of the energy label for a gas instantaneous water heater that burns town gas must be as specified in the diagram below—

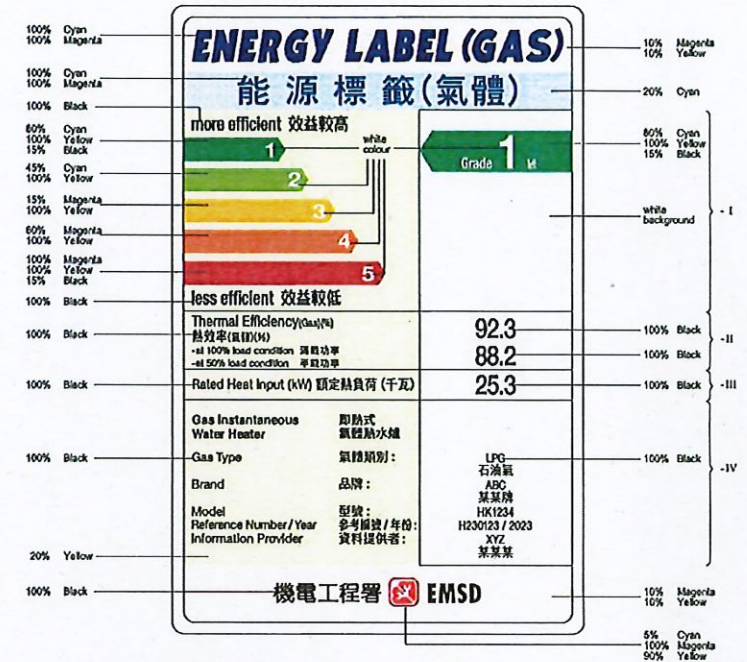


2. The dimensions of the energy label for a gas instantaneous water heater that burns town gas must be as specified in the diagram below—

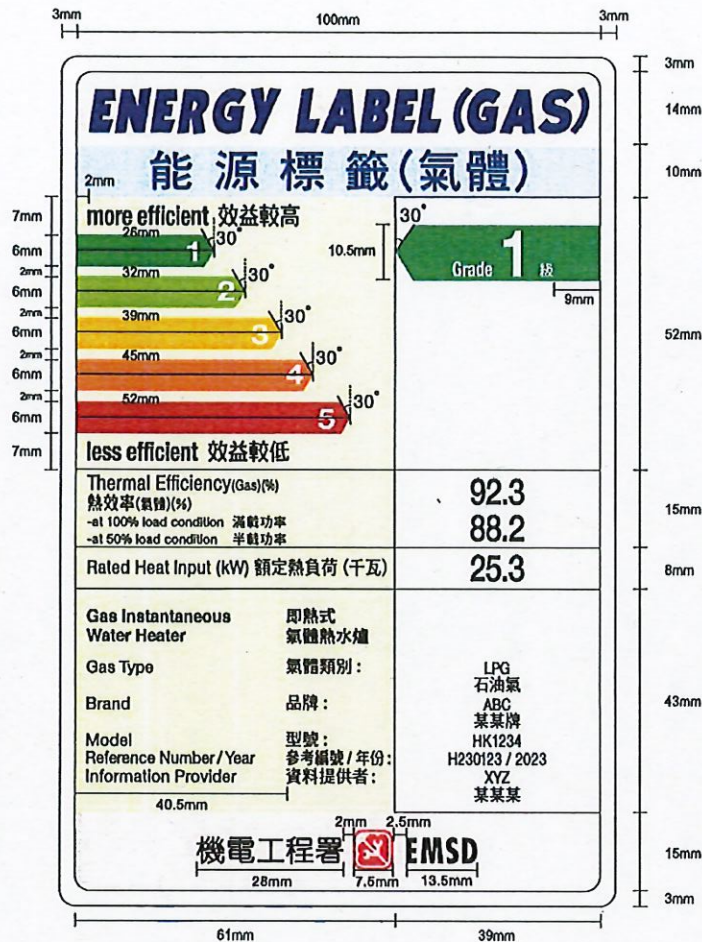


Actual Size : 106mm(W) x 163mm(H)

3. The colour and design of the energy label for a gas instantaneous water heater that burns liquefied petroleum gas must be as specified in the diagram below—



4. The dimensions of the energy label for a gas instantaneous water heater that burns liquefied petroleum gas must be as specified in the diagram below—



5. The energy label under section 1 or 3 of this Part is divided into 4 rectangular areas (marked “I”, “II”, “III” and “IV” by the side

of the label). The information to be contained in each area of the energy label is specified in column 2 of Table K in relation to the area specified opposite to that information in column 1 of the Table.

Table K

Column 1 Area	Column 2 Information to be contained
I	The energy efficiency grading of the model, calculated in accordance with the approved code of practice. The head of the arrow containing the energy efficiency grade number is to be placed at the same level and has the same colour as the head of the relevant arrow on the left.
II	The thermal efficiency, calculated by computing the ratios of the heat generated at a given time to the measured heat input at 100% load condition and at 50% load condition, determined in accordance with the approved code of practice.
III	The rated heat input, as determined in accordance with the approved code of practice.
IV	The type of gas burnt by a gas instantaneous water heater of the model, the brand name, the product model, the reference number assigned by the Director, the year in which the reference number is assigned or, if the energy efficiency grading is calculated in accordance with the new calculation method under section 12 of this Ordinance, the year

Column 1 Area	Column 2 Information to be contained
	in which the new calculation method takes effect and the name of the information provider. The information provider is the specified person who submitted the specified information to the Director.
6.	The specifications for the font and font size of the words printed on one or both of the energy labels in this Part are as follows—

Column 1 Description on the energy label	Column 2 Font and font size
ENERGY LABEL (GAS) 能源標籤(氣體)	31 point Italic Kabel Ult BT (English) 24 point DFHeiBold (Chinese)
more efficient	14 point Helvetica Neue Bold (English)
效益較高	14 point DFHeiBold (Chinese)
less efficient	14 point Helvetica Neue Bold (English)
效益較低	14 point DFHeiBold (Chinese)
Grade on the left (1, 2, 3, 4, 5)	15 point Helvetica Neue Bold (English)

Column 1 Description on the energy label	Column 2 Font and font size
Grade on the right— The word “Grade”	11 point Helvetica Neue Bold Condensed (English)
The figure “1”	35.5 point Helvetica Neue Bold (English)
The word “級”	9.5 point DFHeiBold (Chinese)
Thermal Efficiency(Gas)(%) 熱效率(氣體)(%)	11.5 (8) point Helvetica Roman (English) 10 (8) point DFHeiMedium (Chinese)
-at 100% load condition 滿載功率	7 point Helvetica Roman (English) 7 point DFHeiMedium (Chinese)
-at 50% load condition 半載功率	7 point Helvetica Roman (English) 7 point DFHeiMedium (Chinese)
Rated Heat Input (kW) 額定熱負荷(千瓦)	10 point Helvetica Roman (English) 10 point DFHeiMedium (Chinese)

Column 1	Column 2
Description on the energy label	Font and font size
Figures of thermal efficiency and rated heat input on the right	20 point Helvetica Medium (English)
Gas Instantaneous Water Heater 即熱式氣體熱水爐	9 point Helvetica Bold (English) 9 point DFHeiBold (Chinese)
Gas Type Brand Model Reference Number / Year Information Provider	9 point Helvetica Roman (English)
氣體類別： 品牌： 型號： 參考編號/年份： 資料提供者：	
Characters of gas type, brand, model, reference number, year and information provider on the right	9 point Helvetica Roman (English) 7.5 point DFHeiMedium (Chinese)

Column 1	Column 2
Description on the energy label	Font and font size
機電工程署	16 point Monotype Yuen (Chinese)
EMSD and its logo	17.9 point Futura Bold Condensed (English)
7. (1)	Subject to subsection (3), the energy label is to be attached or affixed to a prominent position of the gas instantaneous water heater and is to be clearly visible.
(2)	To avoid doubt, if only a part of the gas instantaneous water heater is being exhibited, the energy label is to be attached or affixed to a prominent position of that part and is to be clearly visible.
(3)	The energy label may be attached to the gas instantaneous water heater or its packaging in a manner, if any, approved by the Director.”.

Secretary for Environment and Ecology

2023

Explanatory Note

Under section 4 of the Energy Efficiency (Labelling of Products) Ordinance (Cap. 598) (*Ordinance*), a manufacturer or importer must not supply a prescribed product unless the product—

- (a) is a product of a listed model with a reference number assigned by the Director of Electrical and Mechanical Services; and
- (b) bears an energy label.

2. A similar requirement is imposed under section 5 of the Ordinance on a person who is not a manufacturer or importer of a prescribed product.
3. The Energy Efficiency (Labelling of Products) Ordinance (Amendment of Schedule 1) Order 2022 was made to amend Part 1 of Schedule 1 to the Ordinance by adding LED lamps, gas cookers and gas instantaneous water heaters (*new prescribed products*) as prescribed products under the Ordinance.
4. This Order amends Part 2 of Schedule 1 to the Ordinance by adding new Divisions 9, 10 and 11 which contain the descriptions of the new prescribed products.
5. Schedule 2 to the Ordinance is also amended by adding new Parts 10, 11 and 12 which set out the requirements to be complied with by the energy labels for the new prescribed products.
6. This Order also makes textual amendments to the requirements to be complied with by the energy label for compact fluorescent lamps in Part 4 of Schedule 2 to the Ordinance.