

**L.N. 204 of 2009****ENERGY EFFICIENCY (LABELLING OF PRODUCTS)  
ORDINANCE (AMENDMENT OF SCHEDULES)  
ORDER 2009****CONTENTS**

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**ENERGY EFFICIENCY (LABELLING OF PRODUCTS)  
ORDINANCE (AMENDMENT OF SCHEDULES)  
ORDER 2009**

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

**PART 1**

**PRELIMINARY**

**1. Commencement**

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

**PART 2**

**AMENDMENT TO PART 2 OF SCHEDULE 1 TO ENERGY EFFICIENCY  
(LABELLING OF PRODUCTS) ORDINANCE**

**2. Prescribed products**

Part 2 of Schedule 1 to the Energy Efficiency (Labelling of Products) Ordinance (Cap. 598) is amended by adding—

**“Division 4—Washing machines**

1. In this Schedule, “washing machine” (洗衣機), subject to section 2—
  - (a) means a household appliance for cleaning and rinsing of textiles using water with or without a means of extracting excess water from the textiles; and
  - (b) includes washing machines that—
    - (i) use mains electricity as the primary power source; and
    - (ii) have a rated washing capacity not exceeding 7 kilograms,whether or not they have built-in dryers for drying textiles by means of heating.
2. In this Schedule, “washing machine” (洗衣機) does not include washing machines that—
  - (a) may also use other energy sources; or

(b) have no spin extraction capability.

3. In section 1—

“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 washing capacity” (額定洗衣量) means the washing capacity of a washing machine as determined and declared by the manufacturer or importer of the washing machine in accordance with the standard and requirements specified in the approved code of practice.

### **Division 5—Dehumidifiers**

1. In this Schedule, “dehumidifier” (抽濕機), subject to section 2—

(a) means an encased assembly for removing moisture from its surrounding atmosphere; and

(b) includes self-contained, electrically operated and mechanically-refrigerated dehumidifiers that—

(i) use mains electricity as the primary power source;

(ii) operate by using the vapour compression cycle;

(iii) consist of—

(A) a refrigerated surface (“evaporator”) that condenses moisture from the atmosphere;

(B) a refrigerating system, including an electric motor;

(C) an air circulating fan; and

(D) a drain system for collecting or disposing of the condensate; and

(iv) have a rated dehumidifying capacity not exceeding 87 litres per day.

2. In this Schedule, “dehumidifier” (抽濕機) does not include dehumidifiers that—

(a) may also operate by using desiccant materials; or

(b) are room air conditioners having dehumidifying function.

3. In section 1—

“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 dehumidifying capacity” (額定抽濕量) means the dehumidifying capacity of a dehumidifier as determined and declared by the manufacturer or importer of the dehumidifier in accordance with the standard and requirements specified in the approved code of practice;

“vapour compression cycle” (蒸氣壓縮循環方式) means a mechanism employed by a dehumidifier throughout which the refrigerant undergoes alternate compression and expansion to achieve the cooling or heating function.”.

### PART 3

#### AMENDMENTS TO SCHEDULE 2 TO ENERGY EFFICIENCY (LABELLING OF PRODUCTS) ORDINANCE

### 3. Specification of energy labels

(1) Part 1 of Schedule 2 is amended by adding—

“4. The requirements to be complied with by energy label for washing machines are specified in Part 5.

5. The requirements to be complied with by energy label for dehumidifiers are specified in Part 6.”.

(2) Part 2 of Schedule 2 is amended, in section 4, in column 2 of the Table, in the English text, by repealing “7.5 DFHeiMedium (Chinese)” and substituting “7.5 point DFHeiMedium (Chinese)”.

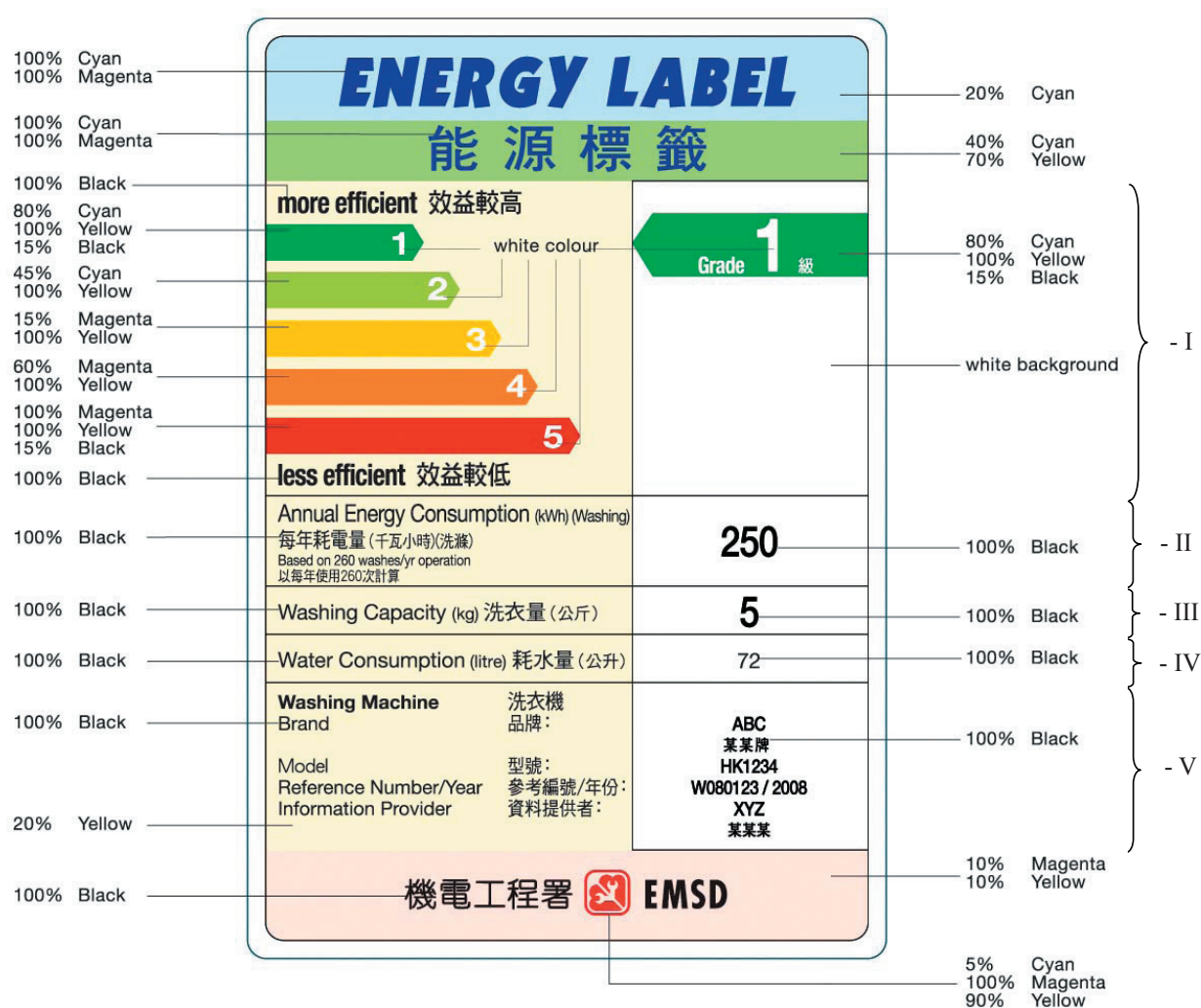
(3) Part 3 of Schedule 2 is amended, in section 4, in column 2 of the Table, in the English text, by repealing “7.5 DFHeiMedium (Chinese)” and substituting “7.5 point DFHeiMedium (Chinese)”.

(4) Schedule 2 is amended by adding –

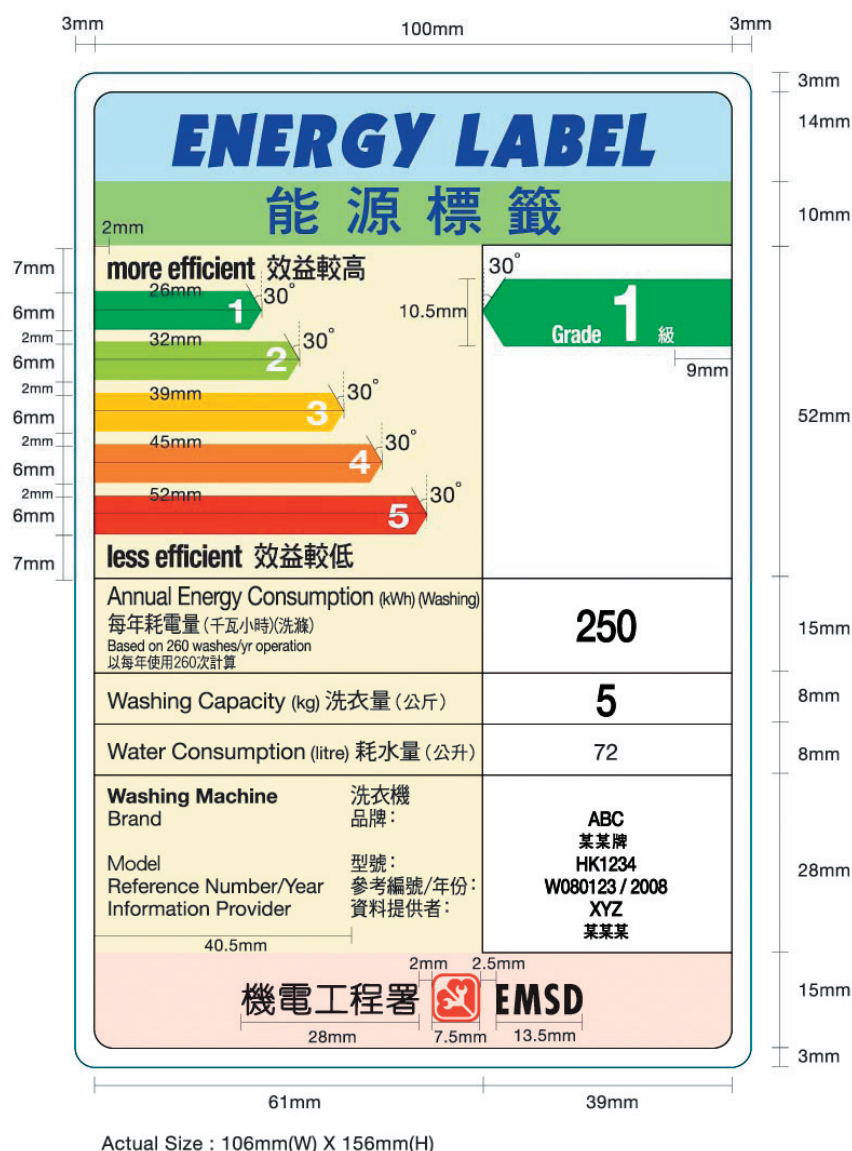
### “PART 5

#### REQUIREMENTS TO BE COMPLIED WITH BY ENERGY LABEL FOR WASHING MACHINES

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



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



3. The energy label under section 1 of Part 5 is divided into 5 rectangular areas (marked I, II, III, IV and V 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 D in relation to the area specified opposite to that information in column 1 of the Table.

TABLE D

Area	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 annual energy consumption, calculated by multiplying the measured energy consumption per cycle by an average of 260 washes per year, determined in accordance with the approved code of practice.
III	The washing capacity, which is the rated washing capacity of the model, determined in accordance with the approved code of practice.
IV	The water consumption, which is the measured water consumption per cycle, determined in accordance with the approved code of practice.
V	The brand name, the product model, the reference number assigned by the Director, the year in which the reference number is assigned or, where 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 and the name of the information provider. The information provider is the specified person who submitted the specified information to the Director.

4. The specifications for the font size of the words printed on the energy label in Part 5 are as follows—

Description on the Energy Label	Font and font size
ENERGY LABEL	31 point Italic Kabel Ult BT (English)
能源標籤	24 point DFHeibold (Chinese)
more efficient 效益較高	14 point Helvetica Neue Bold (English)
less efficient 效益較低	14 point DFHeiBold (Chinese)



Description on the Energy Label	Font and font size
Grade on the left (1, 2, 3, 4, 5)	15 point Helvetica Neue Bold (English)
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)
Annual Energy Consumption (kWh) (Washing) 每年耗電量 (千瓦小時) (洗滌)	11.5 (8) point Helvetica Roman (English) 10 (8) point DFHeiMedium (Chinese)
Based on 260 washes/yr operation 以每年使用 260 次計算	7 point Helvetica Roman (English) 7 point DFHeiMedium (Chinese)
Washing Capacity (kg) 洗衣量 (公斤)	10 point Helvetica Roman (English) 10 point DFHeiMedium (Chinese)
Figures of annual energy consumption and washing capacity on the right	20 point Helvetica Medium
Water Consumption (litre) 耗水量 (公升)	10 point Helvetica Roman (English) 10 point DFHeiMedium (Chinese)
Figure of water consumption on the right	10 point Helvetica Roman (English)
Washing Machine 洗衣機	9 point Helvetica Bold (English) 9 point DFHeiMedium (Chinese)
Brand Model Reference Number / Year Information Provider	} 9 point Helvetica Roman (English)



Description on the Energy Label	Font and font size
品牌： 型號： 參考編號 / 年份： 資料提供者：	9 point DFHeiMedium (Chinese)
Characters of brand, model, reference number, year and information provider on the right	
機電工程署 EMSD and its logo	
	9 point Helvetica Roman (English) 7.5 point DFHeiMedium (Chinese)
	16 point Monotype Yuen (Chinese) 17.9 point Futura Bold Condensed (English)

5. (1) Subject to subsection (3), the energy label is to be attached or affixed to a prominent position of the washing machine and is to be clearly visible.

(2) To avoid doubt, if only part of the washing machine 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 washing machine or its packaging in a manner specified by the Director where the Director has approved its being so attached.

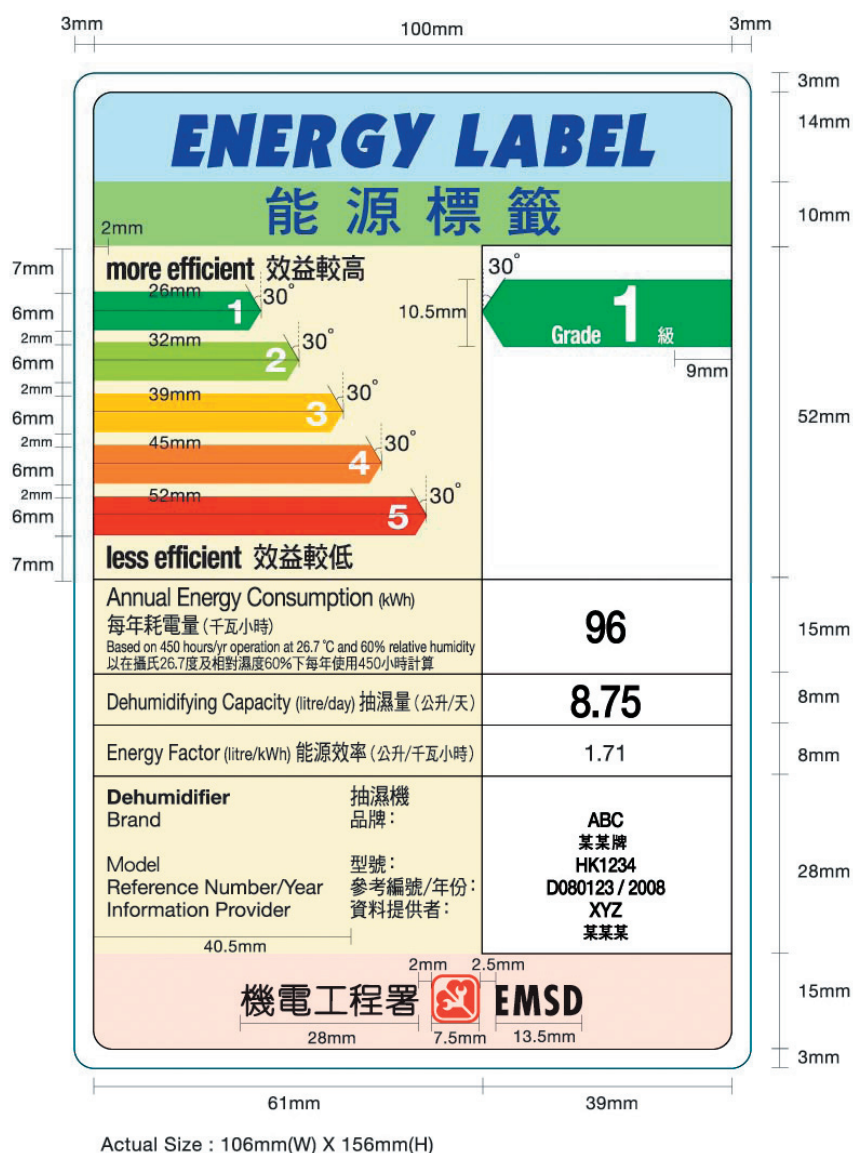
## PART 6

### REQUIREMENTS TO BE COMPLIED WITH BY ENERGY LABEL FOR DEHUMIDIFIERS

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



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



3. The energy label under section 1 of Part 6 is divided into 5 rectangular areas (marked I, II, III, IV and V 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 E in relation to the area specified opposite to that information in column 1 of the Table.

TABLE E

Area	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 annual energy consumption, calculated by multiplying the measured power consumption at 26.7°C and 60% relative humidity by an average of 450 hours per year, determined in accordance with the approved code of practice.
III	The dehumidifying capacity, which is the measured amount of water removed in 24 hours, determined in accordance with the approved code of practice.
IV	The energy factor, which is the measured amount of water removed per kilowatt-hour, determined in accordance with the approved code of practice.
V	The brand name, the product model, the reference number assigned by the Director, the year in which the reference number is assigned or, where 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 and the name of the information provider. The information provider is the specified person who submitted the specified information to the Director.

4. The specifications for the font size of the words printed on the energy label in Part 6 are as follows—

Description on the Energy Label	Font and font size
ENERGY LABEL	31 point Italic Kabel Ult BT (English)
能源標籤	24 point DFHeibold (Chinese)

Description on the Energy Label	Font and font size
more efficient 效益較高	14 point Helvetica Neue Bold (English)
less efficient 效益較低	14 point DFHeiBold (Chinese)
Grade on the left (1, 2, 3, 4, 5)	15 point Helvetica Neue Bold (English)
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)
Annual Energy Consumption (kWh) 每年耗電量 (千瓦小時)	11.5 (8) point Helvetica Roman (English) 10 (8) point DFHeiMedium (Chinese)
Based on 450 hours/yr operation at 26.7°C and 60% relative humidity 以在攝氏 26.7 度及相對濕度 60% 下每年使用450小時計算	7 point Helvetica Roman (English) 7 point DFHeiMedium (Chinese)
Dehumidifying Capacity (litre/day) 抽濕量 (公升 / 天)	10 point Helvetica Roman (English) 10 point DFHeiMedium (Chinese)
Figures of annual energy consumption and dehumidifying capacity on the right	20 point Helvetica Medium
Energy Factor (litre/kWh) 能源效率 (公升 / 千瓦小時)	10 point Helvetica Roman (English) 10 point DFHeiMedium (Chinese)
Figure of energy factor on the right	10 point Helvetica Roman (English)
Dehumidifier 抽濕機	9 point Helvetica Bold (English) 9 point DFHeiMedium (Chinese)

Description on the Energy Label	Font and font size
Brand	9 point Helvetica Roman (English)
Model	
Reference Number / Year	
Information Provider	
品牌：	9 point DFHeiMedium (Chinese)
型號：	
參考編號 / 年份：	
資料提供者：	
Characters of brand, model, reference number, year and information provider on the right	9 point Helvetica Roman (English) 7.5 point DFHeiMedium (Chinese)
機電工程署 EMSD and its logo	16 point Monotype Yuen (Chinese) 17.9 point Futura Bold Condensed (English)

5. (1) Subject to subsection (3), the energy label is to be attached or affixed to a prominent position of the dehumidifier and is to be clearly visible.

(2) To avoid doubt, if only part of the dehumidifier 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 dehumidifier or its packaging in a manner specified by the Director where the Director has approved its being so attached.”.

## PART 4

### AMENDMENT TO SCHEDULE 3 TO ENERGY EFFICIENCY (LABELLING OF PRODUCTS) ORDINANCE

#### 4. Conditions

Section 1(a) of Schedule 3 is repealed and the following substituted—

“(a) the prescribed product is any of the following—

- (i) a room air conditioner specified in section 1 in Part 1 of Schedule 1;

- (ii) a refrigerating appliance specified in section 2 in Part 1 of Schedule 1;
- (iii) a washing machine specified in section 4 in Part 1 of Schedule 1;
- (iv) a dehumidifier specified in section 5 in Part 1 of Schedule 1, and has been manufactured in or imported into Hong Kong before the effective date; or”.

Edward YAU

Secretary for the Environment

22 October 2009

### **Explanatory Note**

Under the Energy Efficiency (Labelling of Products) Ordinance (Cap. 598) (“the Ordinance”), a supplier of a prescribed product (including a room air conditioner, refrigerating appliance and compact fluorescent lamp) is required to comply with the following requirements before the supplier supplies the product—

- (a) the product is a product of a listed model with a reference number assigned by the Director of Electrical and Mechanical Services;
- (b) the product bears an energy label containing specified information; and
- (c) the energy label is attached or affixed to the product in accordance with the Ordinance.

2. This Order amends the Ordinance by adding 2 prescribed products, namely washing machines and dehumidifiers to Part 2 of Schedule 1, Schedules 2 and 3 to the Ordinance. As a result of the amendment, the supply of a washing machine or dehumidifier specified in the Order requires a reference number and an energy label.

3. Section 1 provides for the commencement of the Order.

4. Section 2 amends Part 2 of Schedule 1 to the Ordinance by adding the definitions of “washing machine” (in new Division 4) and “dehumidifier” (in new Division 5).

5. Section 3(1) amends Part 1 of Schedule 2 to the Ordinance by adding the requirements to be complied with by energy labels for washing machines and dehumidifiers.



6. Section 3(4) adds new Parts 5 and 6 to Schedule 2 to the Ordinance. The new Part 5 specifies the requirements to be complied with by energy labels for washing machines, including the colour, design, dimensions and information to be contained. The new Part 6 specifies the requirements to be complied with by energy labels for dehumidifiers, including the colour, design, dimensions and information to be contained.
7. Section 4 amends Schedule 3 to the Ordinance to include washing machines and dehumidifiers. If these products meet the conditions set out in that Schedule, they are excepted products to which the updating requirement under section 12(3) of the Ordinance does not apply.