

**Hong Kong Green Label Scheme**  
**Product Environmental Criteria for**  
**Clothes Dryers (GL-007-003)**



## **BACKGROUND**

The Hong Kong Green Label Scheme (HKGLS) is an independent and voluntary scheme, which aims to identify products that are, based on life cycle analysis consideration, more environmentally preferable than other similar products with the same function. The Scheme is organized by the Green Council (GC) with contributions from the HKGLS Advisory Committee and a number of supporting organizations.

The prime objectives of HKGLS are:

- For Consumers: assist in making purchases of products that are less harmful to the environment;
- For Industry: stimulate development and production of environmentally preferable alternatives.

This specification sets out the requirements that clothes dryers will be required to meet in order to be licensed to use the HKGLS label. The requirements include environmental criteria and product characteristics. The specification also defines the testing and other means to be used to verify conformance with the environmental criteria and product characteristics.

## **POTENTIAL ENVIRONMENTAL IMPACTS**

Energy consumption is the key environmental impact for clothes dryers in product use stage. Other environmental impacts include air and noise emissions. The worn-out clothes dryers and the packaging materials of clothes dryers burden our environment through the generation of solid waste.

## **LABEL OBJECTIVE**

The aim of the environmental criteria developed for clothes dryers is to:

- Reduce energy consumption and promote energy-saving clothes dryers;
- Reduce noise emission and promote low-noise clothes dryers;
- Minimize waste production by reducing the amount of primary packaging and promoting its reusability and/or recyclability.

## **PRODUCT DEFINITION**

This document and all product environmental criteria therein apply to domestic clothes dryers, which have drying capacity normally not exceeding 10 kg. Both air vented and condenser types of clothes dryers are included in the product category. However, appliances that have larger capacity, or for industrial use, or those using non-electrical energy sources are excluded from this product category.

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**PRODUCT ENVIRONMENTAL CRITERIA**

The table below sets out the product environmental criteria for clothes dryers (GL-007-003) under the HKGLS.

Criteria	Verification Method
<p>1. Energy Consumption Index, ECI (%):</p> <p>The ECI of the appliance determined under the test conditions and methods defined by EMSD Energy Efficiency Labelling Scheme shall not be lower than 95.</p>	A (IEC 61121), C
<p>2. Noise Emission:</p> <p>Airborne noise emission from the appliance, measured as sound power level, shall not exceed 62dB (A) for ventilation models and 66 dB (A) for condensation models.</p>	A (EN-60704), C
<p>3. Plastic Parts :</p> <p>Substances based on cadmium, lead, mercury or their compounds, or the following flame-retardant shall not be added to the plastic materials:</p> <ul style="list-style-type: none"><li>• Polybrominated biphenyls (PBB); and</li><li>• Polybrominated diphenyl ethers (PBDE).</li></ul>	C,D
<p>4. Surface Treatment:</p> <p>Paints shall not contain pigments or additives based on cadmium, lead, chromium, mercury or their compounds. Metals shall not be coated with cadmium, chromium, nickel or their compounds.</p>	A,C
<p>5. Packing requirements:</p> <ul style="list-style-type: none"><li>• Packaging materials shall not contain chlorine-based plastics;</li><li>• General packaging requirements (refer to criteria for packaging materials: GL-Packaging).</li></ul>	B,C,D
<p><b>Legend :</b></p> <p>A – Analytical testing shall be performed by laboratories that meet the requirement laid out in the EN45001 standards or any equivalent systems (e.g. HOKLAS, IEC/ISO 17025).</p> <p>B - Inspection of product samples</p> <p>C – Review of supporting information as required by the GC</p> <p>D – Interviews with relevant personnel and/or site visits to relevant facilities</p>	