

**SRI LANKA STANDARD 1230 : 2003**  
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**SPECIFICATION FOR**  
**ENERGY EFFICIENCY RATING OF**  
**HOUSEHOLD REFRIGERATORS,**  
**REFRIGERATOR - FREEZERS AND**  
**FREEZERS**

**SRI LANKA STANDARDS INSTITUTION**

**SPECIFICATION FOR  
ENERGY EFFICIENCY RATING OF HOUSEHOLD REFRIGERATORS,  
REFRIGERATOR - FREEZERS AND FREEZERS**

**SLS 1230 : 2003**

**Gr. 19**

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**SPECIFICATION FOR ENERGY EFFICIENCY RATING OF HOUSEHOLD**  
**REFRIGERATORS, REFRIGERATOR - FREEZERS AND FREEZERS**

**FOREWORD**

This standard was approved by the Technical Advisory Committee on Energy Efficiency Labelling of Refrigerators constituted under the Ceylon Electricity Board and was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 2003-01-14.

This standard is presented in two sections, namely Section 1 - Methods of measurement and requirements for Energy Efficiency Labelling and Section 2 – Determination of Star Ratings and Energy Efficiency Label. Section 1 prescribes methods of measurement of power consumption and other methods of tests to ascertain that refrigerators fulfil pre-requisites of the Energy Efficiency Labelling Scheme for certifying. Section 2 specifies method of determination of the energy rating and the requirements for the label.

The Sri Lanka Standard Specification for Energy Efficiency rating of refrigerators has been published for promotion of the use of efficient refrigerators and freezers for saving electrical energy. Five categories of energy efficiency ratings have been identified based on the energy consumption of refrigerators. The best energy efficiency rating is assigned with “five stars”. The number of stars assigned reflects the efficiency of the model of the refrigerators. More stars means more energy efficient.

**SLS 723** which deals with the performance and safety requirements for refrigerators, need to be revised to fall in line with test methods prescribed by this standard and **ISO 7371**.

For the purpose of deciding whether a particular requirement of the standard is complied with the final value, observed value or calculated, expressing the result of a test or an analysis, shall be rounded off in accordance with CS 102. The number of significant places retained in the rounded off value shall be the same as that of the specified value in this standard.

All the values given in this specification are in SI units.