

PHILIPPINE NATIONAL STANDARD

PNS 396-3:2013
ICS 97.060

Household appliances – Energy efficiency factor (EEF) and labeling requirements – Part 3: Clothes washing machine



BUREAU OF PRODUCT STANDARDS

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Foreword

This Philippine National Standard on Energy efficiency and labeling requirements for clothes washing machine has been developed by the Bureau of Product Standards' Technical Committee on Household, Cooking and Heating Appliances (BPS/TC 23/30).

This standard is third of a series of energy standards dealing with appliances, has been developed in support of the Department of Energy through Philippine Energy Efficiency Project (PEEP)'s program of promoting energy efficiency and conservation as one of the strategies to achieve energy self-sufficiency, contribute to the reduction of greenhouse gas emission and to guide consumers in determining which household appliance model is less costly to operate.

This standard requires attachment of an energy label that would show the product's energy and performance characteristics.

It is hereby emphasized that under this standard, clothes washing machine are to be tested at 230 V 60 Hz, which is the nominal voltage system in the Philippines.

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Part 3: Clothes washing machine**

1 Scope

This standard specifies the energy efficiency factor and labeling requirements for household clothes washing machine and similar purpose.

NOTE 1 This does not cover stand-alone spin extractor.

NOTE 2 Similar purpose pertains to appliances intended for normal household use but used in shops, stores and other commercial establishments.

2 References

PNS IEC 60456:2013, Clothes washing machine for household use – Methods for measuring the performance is indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

3 Terms and definitions

For the purpose of this standard, the definitions and terms stated in PNS IEC 60456 shall apply, including the following:

3.1**energy efficiency factor (EEF)**

refers to the ratio of the clothes washing machine capacity, in kg, to energy consumption, in kWh, per cycle

3.2**energy efficiency class**

refers to the number of stars displayed on the energy guide, which is based on EEF

NOTE Energy efficiency class having more stars means higher efficiency.

3.3**single tub**

refers to manual washing machine without spin extraction function

3.4**twin tub**

refers to manual washing machine with a separate spin extraction function

3.5**front-load**

refers to automatic washing machine with horizontal axis drum as defined in PNS IEC 60456