

**ENERGY COMMISSION (ENERGY EFFICIENCY STANDARDS
AND LABELLING) (CLOTHES WASHING MACHINES)
REGULATIONS, 2022**

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IN exercise of the power conferred on the Minister responsible for Energy by subparagraph (i) of paragraph (a) of subsection (1) of section 56 of the Energy Commission Act, 1997 (Act 541) and on the advice of the Board, these Regulations are made this 28th day of June, 2022.

Preliminary Provisions

Purpose of Regulations

1. The purpose of these Regulations is to promote the efficient use and conservation of energy in the country and mitigate related climate change by

- (a) providing for
 - (i) the enforcement of Standards set out in the First Schedule and the minimum energy performance standards set out in Part One of the Second Schedule;
 - (ii) the labelling of electric mains-operated clothes washing machines;
 - (iii) supplementary product information on electric mains-operated clothes washing machines; and
 - (iv) the registration of models of clothes washing machines in the Appliance Energy Efficiency Register; and
- (b) prohibiting the manufacture, importation, offer for sale, sale, storage, donation, disposal, installation or use of a clothes washing machine that does not meet the minimum energy performance standards set out in Part One of the Second Schedule.

Application of Regulations

2. (1) These Regulations apply to an electric mains-operated
- (a) clothes washing machine, including a built-in clothes washing machine with rated capacity not exceeding fifteen kilogrammes for all textile materials;
 - (b) horizontal axis single bowl front loading and vertical axis single bowl top loading;

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(c) twin tub clothes washing machine that is ordinarily supplied and used for personal, domestic and household purposes; and
(d) clothes washing machine described in paragraphs (a) and (b) that is used in a commercial context
manufactured in the country or imported into the country for display, sale or use.

(2) These Regulations do not apply to

- (a) a clothes washing machine with a rated capacity lower than two kilogrammes for all textile materials; or
- (b) a battery operated clothes washing machine that can be connected to the mains through an Alternating Current or Direct Current converter purchased separately.

Duties and Requirements

Duty to comply with requirements

3. (1) A person who manufactures, imports, offers for sale, sells, stores, supplies, distributes, donates or otherwise disposes of a clothes washing machine for use in the country shall ensure that each model of the clothes washing machine

- (a) is registered with the Commission;
- (b) meets the

- (i) Standards set out in the First Schedule;
- (ii) minimum energy performance standards set out in Part One of the Second Schedule;
- (iii) labelling requirements set out in the Third Schedule; and
- (iv) information requirements set out in the Fourth Schedule.

(2) A person who advertises a clothes washing machine shall comply with the provisions of Part Five of the Fourth Schedule.

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Prohibition of manufacture, importation, offer for sale, sale, storage, donation, disposal, installation or use of clothes washing machine

4. (1) A person shall not manufacture, import, offer for sale, sell, store, donate, or otherwise dispose of, install or use a clothes washing machine in the country unless the clothes washing machine meets the

(a) minimum energy performance standards set out in Part One of the Second Schedule and measured in accordance with the Standards; and

(b) requirements of the Standards.

(2) An enforcement authority shall

(a) detain, cause to be re-exported or seize and destroy a clothes washing machine imported for use in the country, contrary to subregulation (1); or

(b) seize and destroy a clothes washing machine manufactured for use in the country contrary to subregulation (1).

Category of clothes washing machine

5. The category of a clothes washing machine shall be determined in accordance with the categories set out in Part Two of the Fourth Schedule.

Energy efficiency star rating of clothes washing machine

6. The energy efficiency star rating of a clothes washing machine shall be determined in accordance with the ratings set out in Part One of the Second Schedule.

Voltage, input power or wattage of clothes washing machine

7. The manufacturer of a clothes washing machine shall ensure that the rated voltage, input power or wattage of that clothes washing machine is printed conspicuously and displayed on the back of the clothes washing machine.

Measurement methods

8. The information to be provided pursuant to regulations 10 and 11 shall be obtained by

(a) a reliable, accurate and reproducible measurement which takes into account recognised state-of-the-art measurements; and

(b) calculation methods

in accordance with the Standards.

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Use of circumvention device

9. (1) A manufacturer, an importer or an authorised representative of the manufacturer shall not use a circumvention device during the conduct of a test of a clothes washing machine.

(2) A person shall not manufacture, import, offer for sale, sell, store, donate, or otherwise dispose of, install or use a clothes washing machine which is designed to

- (a) detect that the clothes washing machine is being tested by recognising the test conditions or test cycle; or
- (b) react specifically by automatically altering the performance of the clothes washing machine during the test with the aim of reaching a more favourable level for any of the parameters declared by the manufacturer, importer or authorised representative of the manufacturer, in the technical documentation or included in any other documentation provided.

(3) The energy consumption of a clothes washing machine and any of the other declared parameters shall not deteriorate after a

- (a) software; or
- (b) firmware

update, when measured with the same test standard originally used for the declaration of conformity, except with the consent of the Commission and the Standards Authority, before the update.

(4) A manufacturer, an importer or an authorised representative of the manufacturer shall inform the Commission and the Standards Authority in writing, with reasons, prior to an update of the software or firmware.

Technical documentation

10. (1) A person shall not manufacture, import, offer for sale, sell, store, distribute, donate or otherwise dispose of a clothes washing machine for use in the country, unless that person has provided the Commission with sufficient technical documentation to enable the Commission

- (a) ascertain the accuracy of the information contained
 - (i) in the Product Information Sheet; or
 - (ii) on the label; and

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- (b) register each model of the clothes washing machine in the Appliance Energy Efficiency Register.
- (2) The technical documentation referred to in subregulation (1) shall
- (a) be in the English language;
 - (b) include the Product Information Sheet set out in Part One of the Fourth Schedule; and
 - (c) contain the information set out in Part Three of the Fourth Schedule marked "Technical Documentation".
- (3) The technical documentation shall
- (a) be prepared for each model of a clothes washing machine placed on the market; and
 - (b) include
 - (i) the name and address of the supplier;
 - (ii) the description of the clothes washing machine, for purposes of identification;
 - (iii) the model identifier of the manufacturer;
 - (iv) the relevant drawings on the main design features of the model and parameters of the clothes washing machine that affect the energy consumption of the clothes washing machine;
 - (v) reports of relevant measurement tests carried out in compliance with the Standards;
 - (vi) details of calculations, extrapolations and tests carried out to verify the accuracy of calculations;
 - (vii) the installation and operating instructions; and
 - (viii) the period within which the model of the clothes washing machine was manufactured.

Labelling and information requirements

11. (1) A person shall not manufacture, import, offer for sale, sell, store, supply, distribute, donate or otherwise dispose of a clothes washing machine for use in the country unless the clothes washing machine and the packaging of the clothes washing machine meet the following requirements:

- (a) the clothes washing machine shall bear a label
 - (i) in the form set out in the Third Schedule; and

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- (ii) placed on the clothes washing machine;
- (b) the information in respect of the clothes washing machine indicated on the packaging of the clothes washing machine shall be in the English language;
- (c) the Product Information Sheet in respect of the clothes washing machine shall be as set out in Part One of the Fourth Schedule;
- (d) the label on the packaging containing the clothes washing machine shall
 - (i) contain the information set out in the Third Schedule; and
 - (ii) be printed in colour;
- (e) the labels on the clothes washing machine and the packaging of the clothes washing machine shall include the following information:
 - (i) the Quick Response Code;
 - (ii) the name or trade mark of the manufacturer;
 - (iii) the model identifier of the manufacturer;
 - (iv) the type of clothes washing machine;
 - (v) a one-star to seven-star energy efficiency rating in which the ascending number of stars represent a higher energy efficiency determined in accordance with Tables 1.2 and 1.3 in the Second Schedule and the test procedures in the Standards and calculations provided in Part Two of the Second Schedule respectively;
 - (vi) the energy efficiency star rating for the complete cycle, placed on the left side and determined in accordance with the Second Schedule;
 - (vii) the energy efficiency star rating for the washing cycle, placed on the right side, and determined in accordance with the Second Schedule;

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- (f) the label on the clothes washing machine shall be printed in colour on a waterproof material and pasted conspicuously on the clothes washing machine;
- (g) the background of a label printed or pasted on each packaging containing the clothes washing machine shall be gold in colour;
- (h) all the stars on the label of the clothes washing machine shall be shaded in black; and
- (i) the text on the label of the clothes washing machine shall be black in colour.

(2) Despite regulation 21, an update to the Standards shall take precedence over the requirements specified in paragraph (e) of subregulation (1) and Part Two of the Second Schedule.

(3) Where

(a) a side of the packaging is not large enough to contain a label and the blank border; or

(b) a label would cover more than fifty per cent of the surface area of the largest side of a packaging

the label and the blank border shall be reduced to not less than forty per cent of the largest side of the packaging and pasted on the largest side of the packaging.

(4) A person shall not remove the label on a clothes washing machine or on the packaging containing a clothes washing machine before the first retail purchase of the clothes washing machine.

(5) For the purposes of this regulation, "first retail purchase" means the purchase of a clothes washing machine by an end user.

Registration of Clothes Washing Machines

Appliance Energy Efficiency Register

12. (1) The Commission shall establish, keep and maintain an Appliance Energy Efficiency Register.

(2) The Appliance Energy Efficiency Register shall contain the information specified in subregulation (5) of regulation 13.

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Application for registration

13. (1) A person who
- (a) manufactures a clothes washing machine in the country; or
 - (b) imports a clothes washing machine into the country
- for use in the country shall, prior to the manufacture or importation, ensure that each model of the clothes washing machine is registered with the Commission.
- (2) A person who
- (a) manufactures a clothes washing machine in the country; or
 - (b) imports a clothes washing machine into the country
- for use in the country shall apply to the Commission for registration of the clothes washing machine.
- (3) An application for registration under subregulation (2) shall be made in writing or electronically on the website of the Commission and accompanied with the prescribed fee.
- (4) An application for registration shall be accompanied with a test report from an accredited test laboratory that demonstrates that
- (a) the clothes washing machine meets the minimum energy performance standards set out in the Second Schedule; and
 - (b) the test report corresponds with the energy consumption that is provided on the energy efficiency label of the clothes washing machine.
- (5) The following information shall be provided for each registration of a model of a clothes washing machine:
- (a) the brand or trademark, if any, used in connection with a supply of the model;
 - (b) the model identifier issued by the manufacturer for each model covered by the registration;
 - (c) the Product Information Sheet of the model;
 - (d) the date the registration takes effect;
 - (e) a unique identifier for the registration issued by the Commission;
 - (f) the names and contact details of the applicant and contact person in relation to the registration;

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- for use in the country shall, prior to the manufacture or importation, ensure that each model of the clothes washing machine is registered with the Commission.
- (2) A person who
- (a) manufactures a clothes washing machine in the country; or
 - (b) imports a clothes washing machine into the country
- for use in the country shall apply to the Commission for registration of the clothes washing machine.
- (3) An application for registration under subregulation (2) shall be made in writing or electronically on the website of the Commission and accompanied with the prescribed fee.
- (4) An application for registration shall be accompanied with a test report from an accredited test laboratory that demonstrates that
- (a) the clothes washing machine meets the minimum energy performance standards set out in the Second Schedule; and
 - (b) the test report corresponds with the energy consumption that is provided on the energy efficiency label of the clothes washing machine.
- (5) The following information shall be provided for each registration of a model of a clothes washing machine:
- (a) the brand or trademark, if any, used in connection with a supply of the model;
 - (b) the model identifier issued by the manufacturer for each model covered by the registration;
 - (c) the Product Information Sheet of the model;
 - (d) the date the registration takes effect;
 - (e) a unique identifier for the registration issued by the Commission;
 - (f) the names and contact details of the applicant and contact person in relation to the registration;

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- (g) if the model is to be registered as a replacement model of an earlier registered model, that fact and details to identify the replaced model, including the date the replacement was made;
- (h) if a model to be registered is affected by a replacement, that fact and details to identify the replaced model and replacement model, including the date the replacement was made;
- (i) any information specified in these Regulations in relation to that model of clothes washing machine; and
- (j) any other information the Commission may consider appropriate.

Consideration of application

14. (1) The Commission shall, on receipt of an application for registration of a clothes washing machine, consider the application.

(2) The Commission shall, in considering the application, have regard to the requirements specified in subregulation (5) of regulation 13.

Grant of application

15. (1) The Commission may, within fourteen days after receipt of an application, grant or refuse an application.

(2) Where the Commission decides to grant an application, the Commission shall

- (a) within three days after the date of the decision, inform the applicant, in writing or electronically as the case may be, of the decision; and
- (b) enter the information specified in subregulation (5) of regulation 13 in the Appliance Energy Efficiency Register.

(3) Where the Commission refuses to grant an application, the Commission shall within three days after the date of the decision communicate to the applicant, in writing or electronically as the case may be,

- (a) the reason for the refusal; and
- (b) the applicable Standards the model of the clothes washing machine is required to meet.

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Duties of Dealers and Suppliers of Clothes Washing Machines

Duty of dealer to keep, maintain and provide technical documentation

16. (1) A dealer shall keep and maintain technical documentation in respect of a model of a clothes washing machine for a period of not less than two years after the date of manufacture or importation.

(2) A dealer shall, within two days after a request by an enforcement authority, provide the enforcement authority with technical documentation in respect of a clothes washing machine for inspection.

(3) Where a dealer fails to provide technical documentation in respect of a clothes washing machine within two days after the request, the enforcement authority shall detain the clothes washing machine.

(4) A dealer shall ensure that

- (a) each clothes washing machine, at the point of sale, including at trade fairs, bears the label provided by a supplier in accordance with regulation 3, with the label being displayed conspicuously;
- (b) in the event of distance selling, the label and Product Information Sheet are provided in accordance with the Third and Fourth Schedules;
- (c) an audio advertisement, including radio and local information broadcast network, on a specific model of a clothes washing machine where the brand, size, category or price is mentioned, contains information on the energy efficiency class and the range of energy efficiency classes available in accordance with Part Five of the Fourth Schedule;
- (d) a visual advertisement for a specific model of clothes washing machine, including an advertisement on the internet contains information on the energy efficiency class and the range of energy efficiency classes available on the label, in accordance with Part Five of the Fourth Schedule; and
- (e) a technical promotional material concerning a specific model of clothes washing machine, including technical promotional

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material on the internet, which describes the specific technical parameters of the clothes washing machine includes

- (i) the energy efficiency class of that model; and
- (ii) the range of energy efficiency classes available, on the label

in accordance with Part Five of the Fourth Schedule.

Duty of supplier to keep, maintain and provide technical documentation

17. (1) A supplier shall keep and maintain technical documentation in respect of each model of a clothes washing machine for a period of not less than two years after the date of manufacture or importation.

(2) A supplier shall, on request by an enforcement authority, provide the enforcement authority with technical documentation of the clothes washing machine for inspection.

(3) Where a supplier fails to provide technical documentation in respect of a clothes washing machine within two days after the request, the enforcement authority shall detain the clothes washing machine.

Duty of supplier to keep, maintain and provide Product Information Sheet

18. (1) A supplier shall keep and maintain in the possession of the supplier a Product Information Sheet in respect of each clothes washing machine in the form set out in Part One of the Fourth Schedule.

(2) A supplier shall, on request by an enforcement authority, provide that enforcement authority with a Product Information Sheet which shall be in the

- (a) English language; and
- (b) form set out in Part One of the Fourth Schedule.

Duty of supplier to provide information for statistical purposes

19. (1) A person who manufactures in the country, imports into the country or exports out of the country a clothes washing machine or an assembly of components that incorporates a clothes washing machine shall provide the Commission with the following information not later than four months after the end of each year:

- (a) the number of clothes washing machines of each model that the person manufactured, exported or imported into the country in the relevant year;

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- (b) the number of clothes washing machines of each model that the person sold in the country in the relevant year;
- (c) the number of clothes washing machines of each model that the person exported from the country in the relevant year;
- (d) the name of each model of clothes washing machine that the person discontinued
 - (i) manufacturing in the relevant year;
 - (ii) exporting in the relevant year; or
 - (iii) importing in the relevant year; and
- (e) a copy of any existing test report, or other energy performance data specified by the Commission, for each model specified under paragraph (d).

(2) Upon a written request by the Commission, a person who manufactures a clothes washing machine for use in the country or imports a clothes washing machine into the country shall provide the following information to the Commission not later than forty days after receiving the request:

- (a) the number of clothes washing machines in each product class specified by the Commission that the person sold to a purchaser in the country in each of the preceding three years; and
- (b) the energy performance characteristics of the clothes washing machines as specified in the request.

Duty of supplier to ensure accuracy of information

20. (1) A supplier shall ensure that the information indicated on a

- (a) Product Information Sheet; or
- (b) label

in respect of a clothes washing machine is accurate.

(2) The duty imposed on a supplier under subregulation (1) does not affect any other right of action which a person may have by law against a person with respect to the inaccuracy of information on a Product Information Sheet or on a label.

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Access to information on technical documentation and Product Information Sheet

21. (1) The information required under regulations 10, 11, 16, 17 and 18 shall be obtained in accordance with the test procedures required by the Standards.

(2) Information obtained in a manner other than in accordance with subregulation (1) shall, for the purposes of these Regulations, be invalid.

Product brochure in respect of clothes washing machine

22. Where a supplier provides a product brochure in respect of a clothes washing machine, the brochure shall contain a Product Information Sheet which shall be in the

- (a) English language; and
- (b) form set out in Part One of the Fourth Schedule.

Information

Public information

23. (1) The information provided by a supplier on the Product Information Sheet or on a label of a clothes washing machine is deemed public information.

(2) A supplier is deemed to have consented to the publication of the information indicated on a Product Information Sheet or a label in respect of a clothes washing machine.

Information in respect of mail order and other distance selling

24. (1) Where a person offers a clothes washing machine for sale to another person in the country through a medium of communication including a mail order or any other distance selling medium, that person shall provide information in respect of the clothes washing machine.

(2) The information referred to in subregulation (1) shall

- (a) be in the English language;
- (b) include the product registration number assigned by the Commission upon registration in the Appliance Energy Efficiency Register;

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- (c) include the information set out in Part Four of the Fourth Schedule; and
- (d) be written in a manner that is legible.

Obligations of audio or audio-visual broadcasting service provider

25. Where an audio or audio-visual broadcasting service provider advertises a clothes washing machine, and the information in the advertisement includes the brand, model, size, price and any other information that is specific to a particular model, that service provider shall ensure that

- (a) the advertisement has been vetted and approved by the Commission; and
- (b) the advertisement includes
 - (i) information on the energy efficiency star rating of the clothes washing machine;
 - (ii) a statement that the advertisement has been vetted and approved by the Commission; and
 - (iii) any other information required under Part Five of the Fourth Schedule.

Obligations of e-commerce platform

26. (1) A person shall not offer for sale, sell, supply, distribute or otherwise dispose of a clothes washing machine through a promotion on the internet unless

- (a) the energy efficiency rating of the clothes washing machine is posted next to the price of the clothes washing machine; and
- (b) the label of the clothes washing machine is made available to consumers in the same medium of communication.

(2) Where an e-commerce service provider allows the direct sale of a clothes washing machine through the website of the service provider, the service provider shall

- (a) enable the display of the
 - (i) electronic label; and

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- (ii) electronic Product Information Sheet provided by the dealer on the display mechanism in accordance with Part Six of the Fourth Schedule; and
- (b) inform the dealer of the obligation to display the electronic label and electronic Product Information Sheet.

Misleading information

27. (1) A person shall not display a label, mark, symbol or inscription which relates to the energy consumption of a clothes washing machine, if the display is likely to be

- (a) deceptive;
- (b) misleading; or
- (c) false.

(2) A person shall not broadcast an advertisement relating to the energy performance of a clothes washing machine if the information in the advertisement is likely to be

- (a) deceptive;
- (b) misleading; or
- (c) false.

(3) Subregulations (1) and (2) do not apply to

- (a) a label;
- (b) a mark;
- (c) a symbol; or
- (d) an inscription

displayed under an environmental labelling scheme or an endorsement labelling scheme.

Restriction on disclosure of information

28. (1) An enforcement authority shall not disclose information which consists of a

- (a) secret manufacturing process; or
- (b) trade secret

that was obtained by that enforcement authority in the course of the exercise of a power or duty conferred on the enforcement authority by these Regulations.

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(2) Despite subregulation (1), an enforcement authority may disclose information if

- (a) the information is public information; or
- (b) the disclosure is made
 - (i) for the purpose of facilitating the exercise of power by an enforcement authority under these Regulations or any other enactment;
 - (ii) in connection with the investigation of an offence; or
 - (iii) for the purpose of a civil or criminal proceeding.

Powers of Enforcement

Power of enforcement authority to require technical documentation

29. Where an enforcement authority suspects that the information given

- (a) in a Product Information Sheet; or
- (b) on a label

in respect of a clothes washing machine is incorrect, that enforcement authority may, by notice served on the supplier or importer of the clothes washing machine, require the supplier or importer to furnish the enforcement authority with the technical documentation referred to in regulation 10 within the period stipulated in the notice.

Power of enforcement authority to inspect clothes washing machine

30. An enforcement authority may, at any reasonable time, enter any premises to inspect a clothes washing machine if the enforcement authority has reason to believe that the premises are being used for a purpose in contravention of these Regulations.

Power of enforcement authority to detain or seize record or clothes washing machine

31. (1) Subject to these Regulations, where an enforcement authority has reasonable cause to suspect that an offence has been committed or is being committed, that enforcement authority may

- (a) at any reasonable time enter premises other than a dwelling place, and conduct an inspection in accordance with subsection (3) of section 52 of the Act;

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- (b) require a person engaged in a business or employed in connection with a business to produce a record in respect of a clothes washing machine;
 - (c) detain or seize a clothes washing machine that is
 - (i) not labelled;
 - (ii) not properly labelled; or
 - (iii) labelled in a deceptive or misleading manner;
 - (d) detain or seize a clothes washing machine that is imported without technical documentation which justifies the label affixed on the clothes washing machine;
 - (e) detain or seize a clothes washing machine to enable tests to be carried out;
 - (f) detain or seize a record to be used as evidence in proceedings in respect of an offence under these Regulations;
 - (g) cause a container to be opened for the purpose of inspection;
 - (h) break open a container, where implementation of paragraph (g) is not practicable; or
 - (i) detain or seize a clothes washing machine if the model is not registered in the Appliance Energy Efficiency Register.
- (2) For the purposes of paragraphs (b) and (f) of subregulation (1), the enforcement authority may request for information stored electronically to be made available to the authority in printed form.

Power of enforcement authority to test clothes washing machine

32. (1) An enforcement authority may
- (a) obtain, remove and test a clothes washing machine; or
 - (b) order the testing of a clothes washing machine
- to ascertain whether a provision of these Regulations has been contravened.
- (2) A person who suspects that a clothes washing machine offered for sale does not comply with the provisions of these Regulations may lodge a complaint with an enforcement authority.
- (3) The enforcement authority may, upon receipt of a complaint under subregulation (2), detain and test the clothes washing machine.

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(4) The test to be conducted in respect of a clothes washing machine purchased, obtained or detained under regulation 31 shall be carried out in accordance with the test procedures required by the Standards.

Detention, Re-Exportation and Seizure

Procedure for market surveillance and verification

33. (1) Despite regulation 32, the Commission and the Standards Authority shall conduct market surveillance to ascertain whether a clothes washing machine on the market conforms to these Regulations.

(2) The Commission and the Standards Authority shall apply the verification procedure specified in the Fifth Schedule to conduct the market surveillance.

Order to access premises to inspect, detain or seize clothes washing machine or record

34. Where

- (a) an enforcement authority is refused entry to premises,
- (b) a notification to enter premises would defeat the purpose of the entry,
- (c) the premises to be entered are unoccupied, or
- (d) the occupier of premises to be entered is temporarily absent,

the enforcement authority may apply to a court for an order to enter the premises to inspect, detain or seize a clothes washing machine if the enforcement authority has reasonable grounds to believe that a clothes washing machine or record on the premises may assist in the disclosure of evidence of the commission of an offence under these Regulations.

Procedure for detention of clothes washing machine

35. (1) An enforcement authority that exercises a power of detention under these Regulations shall immediately give a written notice to the person against whom the power has been exercised.

(2) The written notice shall state

- (a) the clothes washing machine that has been detained; and
- (b) the reason for the detention.

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(3) Where an enforcement authority detains a clothes washing machine, that clothes washing machine may be kept in a warehouse or other secure location reserved for the purpose.

Procedure for re-labelling of detained clothes washing machine

36. (1) Subject to these Regulations, where an enforcement authority detains a clothes washing machine under paragraph (e) of subregulation (1) of regulation 31, the enforcement authority shall

- (a) within two days after the detention, submit a sample of the clothes washing machine for testing, and
- (b) within two days after receipt of the test results, give a notice in writing to the supplier of the clothes washing machine to properly label the clothes washing machine if the minimum energy performance standards have been complied with.

(2) The notice under paragraph (b) of subregulation (1) shall require a clothes washing machine to be re-labelled in the required manner or exported out of the country within twenty-eight days.

(3) Where a supplier is required under subregulation (2), to re-label a clothes washing machine, the supplier shall re-label the clothes washing machine under the supervision of an officer authorised for the purpose by the Commission or the Standards Authority.

(4) Where a supplier fails to

- (a) re-label the clothes washing machine; or
- (b) export the clothes washing machine

within twenty-eight days after the notice given under paragraph (b) of subregulation (1), the Commission shall, in consultation with the Standards Authority, destroy the clothes washing machine in a manner that the Commission may determine.

Procedure for re-exportation of imported clothes washing machine

37. (1) An enforcement authority that exercises a power of detention or seizure under these Regulations shall, within seven days after the detention or seizure, give an order in writing to the person against whom the power has been exercised to re-export the clothes washing machine.

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- (2) The order referred to in subregulation (1) shall state
- (a) the clothes washing machine to be re-exported;
 - (b) the reason for the order;
 - (c) the period within which the clothes washing machine is to be re-exported; and
 - (d) the fact that the supplier shall be responsible for the cost associated with the re-export.
- (3) Where a clothes washing machine is kept within premises that are under the control of the owner of the clothes washing machine, the owner shall pay a security deposit against any breach of the re-exportation order.
- (4) A security deposit under subregulation (3) shall be forfeited in the event of a breach of the re-exportation order, including the sale or destruction of a clothes washing machine which has been ordered to be re-exported.
- (5) Where a person fails to pay a security deposit imposed under subregulation (3), the Commission may recover the amount imposed as a civil debt.

Procedure for seizure of clothes washing machine

38. (1) An enforcement authority that exercises a power of seizure under these Regulations shall, within seven days after the seizure, give a written notice to the person against whom the power has been exercised.
- (2) The written notice under subregulation (1) shall state
- (a) the clothes washing machine that has been seized;
 - (b) the reason for the seizure; and
 - (c) the venue and the period within which a petition against the seizure may be brought under regulation 39.
- (3) Where an enforcement authority seizes a clothes washing machine, that clothes washing machine may be kept in a warehouse or other secure location reserved for the purpose.
- (4) The owner of the clothes washing machine may be required to pay a deposit to cover the cost of destruction, if the clothes washing machine does not meet the minimum energy performance standards.

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(5) Where a clothes washing machine is kept within premises that are under the control of the owner of the clothes washing machine, the owner shall pay a security deposit against any breach of the seizure order.

(6) A security deposit under subregulation (5) shall be forfeited in the event of a breach of the seizure order, including the sale or destruction of a clothes washing machine which has been seized.

(7) Where a person fails to pay a security deposit imposed under subregulation (5), the Commission may recover the amount imposed as a civil debt.

Petition and Compensation

Petition against seizure

39. (1) Subject to these Regulations, a person whose clothes washing machine is seized may, within seven days after receipt of the written notice specified in subregulation (1) of regulation 38, petition the Executive Secretary for the release of the seized clothes washing machine.

(2) The Executive Secretary shall, within seven days after the receipt of a petition under subregulation (1),

(a) confirm the seizure; or

(b) order the release of the seized clothes washing machine to the petitioner on a specific day.

(3) A person who is dissatisfied with a decision of the Executive Secretary under subregulation (2) may appeal to the Board within seven days after the receipt of the decision.

(4) The Board shall within thirty days after the receipt of an appeal under subregulation (3)

(a) consult the Standards Authority; and

(b) take a decision on the appeal.

(5) The Board may release the seized clothes washing machine to the petitioner only if the Commission and the Standards Authority fail to prove that an offence under these Regulations has been committed.

(6) A person who is dissatisfied with

(a) a decision of the Board under subregulation (4) may, within fourteen days after the decision; or

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(b) the failure of the Board to make a decision within thirty days after receipt of the appeal may, within fourteen days after the failure

apply to the court.

Forfeiture and destruction of seized clothes washing machine

40. (1) Where an appeal to the Board under subregulation (3) of regulation 39 is not successful, the enforcement authority shall, within twenty-eight days of the decision of the Board, notify the owner of the clothes washing machine of the forfeiture and date of destruction of the seized clothes washing machine.

(2) The Commission may, in consultation with the Standards Authority, destroy a forfeited clothes washing machine in a manner that the Commission may determine.

(3) Where under subregulation (6) of regulation 39, the court upholds or affirms the decision of the Board to forfeit and destroy the clothes washing machine, the Commission shall destroy the clothes washing machine within the period given by the court.

Compensation for loss of clothes washing machine or record seized

41. (1) Where an enforcement authority exercises power under these Regulations to seize a clothes washing machine or record, that enforcement authority is liable to pay compensation to the owner of the clothes washing machine or record for any loss or damage caused by the exercise of the power, if

(a) these Regulations have not been contravened in relation to the clothes washing machine or record; and

(b) the loss or damage is not attributable to the neglect or the fault of the owner but an official of the Commission.

(2) Paragraph (b) of subregulation (1) does not apply in a case of *force majeure*.

(3) The compensation payable under subregulation (1) for a loss or damage shall not exceed the value of the clothes washing machine or record.

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(4) A dispute as to the

(a) right to compensation; or

(b) the amount of compensation payable to a person under subregulation (1),

shall be determined in the first instance by arbitration in accordance with the Alternative Dispute Resolution Act, 2010 (Act 798).

Recovery of expenses by enforcement authority

42. (1) Where an enforcement authority

(a) seizes;

(b) tests; or

(c) supervises the re-labelling or destruction of

a clothes washing machine, that enforcement authority may surcharge the dealer or supplier of the clothes washing machine for the expenses incurred for the seizure, testing or supervision.

(2) Despite subregulation (1), where a court convicts a person of an offence in respect of the contravention of a provision of these Regulations, the court may, in addition to any order that the court may make as to costs and expenses, order the person convicted to reimburse the enforcement authority for the expenditure incurred by the enforcement authority in connection with the seizure.

Miscellaneous Provisions

Offences and penalties

43. (1) A person who

(a) manufactures, imports, offers for sale, sells, stores, advertises, distributes or otherwise disposes of a clothes washing machine that

(i) does not meet a requirement in respect of the minimum energy performance standards contrary to regulation 3;

(ii) is not accompanied by the required technical documentation contrary to regulation 10;

(iii) is not labelled or properly labelled contrary to regulation 11;

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- (iv) is labelled in a deceptive or misleading manner contrary to regulation 27;
 - (b) uses a circumvention device contrary to regulation 9;
 - (c) fails to comply with a labelling requirement contrary to regulation 11;
 - (d) fails to provide technical documentation contrary to regulation 10, 16 or 17;
 - (e) fails to register a model of a clothes washing machine contrary to regulation 13;
 - (f) fails to provide a Product Information Sheet contrary to regulation 18;
 - (g) fails to provide information on a clothes washing machine, contrary to regulation 19;
 - (h) provides inaccurate information contrary to regulation 20;
 - (i) advertises a clothes washing machine without providing accurate information on the energy efficiency star rating of the clothes washing machine and the range of energy efficiency of the clothes washing machine available contrary to regulation 25;
 - (j) offers for sale or sells a clothes washing machine over the internet or other distance selling medium, without providing the information required, contrary to regulation 24 or 26;
 - (k) provides misleading information contrary to regulation 27;
 - (l) obstructs or interferes with an enforcement authority in the exercise of the powers of that enforcement authority contrary to regulation 31;
 - (m) fails to comply with the requirements for re-labelling contrary to regulation 36; or
 - (n) violates a seizure order or notice contrary to regulation 38
- commits an offence and is liable on summary conviction to a fine of not less than one hundred and twenty-five penalty units and not more than two hundred and fifty penalty units or to a term of imprisonment of not less than six months and not more than twelve months or to both.

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(2) A person who commits a second or subsequent offence under subregulation (1) after an earlier conviction under subregulation (1) is liable on summary conviction to a fine of not less than two hundred and fifty penalty units and not more than five hundred penalty units or to a term of imprisonment of not less than twelve months and not more than twenty-four months or to both.

(3) Where an offence under these Regulations is committed by a body corporate or by a member of a partnership or other firm, every director or officer of the body corporate or any member of the partnership or any other person concerned with the management of the firm shall be deemed to have committed that offence and is liable, on summary conviction, to a fine of not less than five hundred penalty units and not more than one thousand penalty units, and is in addition liable to the payment of compensation for the damage resulting from the breach.

(4) A person shall not be convicted of an offence under subregulation (3), if it is proved that

- (a) the person exercised due diligence to secure compliance with the provisions of these Regulations; and
- (b) the offence was committed without the knowledge, consent or connivance of that person.

Interpretation

44. In these Regulations, unless the context otherwise requires,

“accredited test laboratory” means a test laboratory that is recognised by the Standards Authority for laboratory testing and product certification;

“airborne acoustical noise emission” means the sound power level of a clothes washing machine, expressed in dF(A);

“Appliance Energy Efficiency Register” means an official record kept and maintained by the Commission on energy efficiency information in respect of models of electrical appliances that have been certified by the Commission and Standards Authority for use in Ghana;

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“audio or audio-visual broadcasting service provider” means a person who provides a service which delivers radio programmes or programmes with hearing and sight components to persons with equipment appropriate for receiving that service, whether the delivery is effected by means of or uses the radio frequency spectrum, cable, optical fibre, satellite, internet radio via streaming media on the internet, or any other means or a combination of those means intended to reach a wide audience;

“automatic fill control” means a mechanism that automatically controls the amount of water delivered into a clothes washing machine for each fill operation undertaken during the programme;

“automatic washing machine” means a clothes washing machine where the load is fully treated by the clothes washing machine without the need for user intervention at any point during the programme;

“built-in washer-dryer” means a washer-dryer that is designed, tested and marketed exclusively to be

- (a) installed in cabinetry or encased at the top, bottom or sides by panels;
- (b) securely fastened to the sides, top or floor of the cabinetry; or
- (c) equipped with an integral factory-finished face or to be fitted with a custom front panel;

“built-in clothes washing machine” means a clothes washing machine that is designed, tested and marketed exclusively to be

- (a) installed in cabinetry or encased at the top, bottom or sides by panels;
- (b) securely fastened to the sides, top or floor of the cabinetry or panels; and
- (c) equipped with an integral factory-finished face or to be fitted with a custom front panel;

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“circumvention device” means any control, control device, software, component or part that alters the operating characteristics of a clothes washing machine during any test procedure, resulting in measurements that are unrepresentative of the true characteristics of the clothes washing machine that may occur during normal use under comparable conditions;

“clothes washer-dryer” means a clothes washing machine which

- (a) in addition to the functions of an automatic washing machine in the same drum includes a means for drying the textiles by heating and tumbling; and
- (b) is declared by the manufacturer in the technical documentation;

“clothes washing machine” means an automatic or manual washing machine which

- (a) cleans and rinses household laundry by using water, chemical, mechanical and thermal means;
- (b) has a spin extraction function; and
- (c) is declared by the manufacturer in the technical documentation, including a clothes washer-dryer;

“complete cycle” means a washing and drying process, consisting of a washing cycle and a drying cycle;

“continuous cycle” means a complete cycle without interruption of the process and with no need for user intervention at any point during the programme;

“container” means a receptacle or enclosure for holding a product for storage, packaging and shipping;

“court” means court of competent jurisdiction;

“cupboard dry” means the status of treated textiles dried in a drying cycle to a final moisture content of zero per cent;

“cycle duration (t_{WD})” means for the complete cycle of a clothes washer-dryer, the length of time beginning with the initiation of the programme selected for the washing cycle, excluding any user programmed delay, until the end of the drying cycle is indicated and the user has access to the load;

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“dealer” means a retailer or other person who displays, offers for sale or sells a clothes washing machine to an end user;

“delay start (P_{ds})” means a condition where the user has selected a specified delay to the beginning or end of the cycle of the selected programme;

“distance selling” means the sale of goods or services without the buyer and seller being physically present simultaneously;

“drying cycle” means a complete drying process as defined by the required programme, consisting of a series of different operations including heating and tumbling;

“dwelling place” means place of residence;

“eco 40-60” means the name of the programme declared by the manufacturer, importer or authorised representative as able to clean normally soiled cotton laundry declared to be washable at 40 °C or 60 °C, together in the same washing cycle, and to which the ecodesign requirements on energy efficiency, washing efficiency, rinsing effectiveness, programme duration and water consumption relate;

“electric mains-operated clothes washing machine” means a clothes washing machine that operates on electricity supply from the grid of 230 ($\pm 10\%$) volts of alternating current at 50 Hz;

“electronic Product Information Sheet” means a document containing the following information in electronic format:

- (a) basic product information;
- (b) energy label information; and
- (c) special features and characteristics;

“end user” means the first user of a clothes washing machine;

“endorsement labelling scheme” includes a voluntary labelling scheme that guarantees the performance standards of a clothes washing machine that are equal to or exceed the minimum threshold established by a recognised advisory body;

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“Energy Efficiency Index” (EEI) means the ratio of the weighted energy consumption to the standard cycle energy consumption;

“enforcement authority” means

- (a) an authorised officer of the Commission;
- (b) an authorised officer of the Standards Authority;
- (c) an authorised officer of the Customs Division of the Ghana Revenue Authority;
- (d) an authorised officer of the Police Service; or
- (e) any other authorised person designated by the Customs Division of the Ghana Revenue Authority, the Commission or the Standards Authority to carry out inspections for the purposes of these Regulations;

“environmental labelling scheme” means a voluntary labelling scheme that provides detailed information on the environment about the performance characteristics of a clothes washing machine;

“equivalent model” means a model which has the same technical characteristics relevant for the technical information to be provided, but which is placed on the market or put into service by the same manufacturer, importer or authorised representative as another model with a different model identifier;

“final moisture content” means for clothes washer-dryers, the amount of moisture contained in the load at the end of the drying cycle;

“GS” means Ghana Standards;

“heat efficiency” means the ratio of the effective output energy to the input electrical energy of the clothes washing machine measured in percentages in accordance with standard test methods and procedures set out in the Standards of the First Schedule;

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- “importer” means a person who places a clothes washing machine from a foreign country on the Ghanaian market and supplies that clothes washing machine for use;
- “label” means material attached to a clothes washing machine, the inscription of which contains information on the energy consumption of the clothes washing machine;
- “minimum energy performance standards” mean a set of procedures and regulations that prescribe the minimum allowable values of energy efficiency or energy performance of manufactured products;
- “model identifier” means the code, usually alphanumeric, which distinguishes a specific product model from other models with the same trademark of the same name of the manufacturer, importer or authorised representative;
- “mains” or “electric mains” means the electricity supply from the grid of 230 ($\pm 10\%$) volts of alternating current at 50 Hz;
- “multi-drum clothes washer-dryer” means a household washer-dryer equipped with more than one drum, whether in separate units or in the same casing;
- “multi-drum clothes washing machine” means a household washing machine equipped with more than one drum, whether in separate units or in the same casing;
- “network” means a communication infrastructure with a topology of links, an architecture, including the physical components, organisational principles, communication procedures and formats or protocols;
- “off mode” means a condition in which the clothes washing machine is connected to the mains and is not providing any function;
- “point of sale” means the place at which a retail transaction is carried out;

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“premises” means land and any building, store, shop, apartment, or other structure on the land used for the storage of a clothes washing machine;

“product brochure” includes a pamphlet or booklet that contains introductory information about a product;

“Product Information Sheet” means a standard table of information related to a clothes washing machine;

“programme” means a series of operations that are pre-defined and which are declared by the manufacturer, importer or authorised representative as suitable for washing, drying or continuously washing and drying certain types of textile;

“programme duration” means the length of time beginning with the initiation of the programme selected, excluding any user programmed delay, until the end of the programme is indicated and the user has access to the load;

“Quick Response Code” means a matrix barcode included on the energy label of a product model that links to the information of a model in the public part of the product database;

“rated capacity” means the maximum mass in kilogram stated by the manufacturer, importer or authorised representative at 0.5 kilogram intervals of dry textiles of a particular type, which can be treated in one washing cycle of a clothes washing machine, or in one complete cycle of a clothes washer-dryer respectively, on the selected programme, when loaded in accordance with the instructions of the manufacturer, importer or authorised representative;

“rated drying capacity” means the maximum mass in kilogram stated by the manufacturer, importer or authorised representative at 0.5 kilogram intervals of dry textiles of a particular type, which can be treated in one drying cycle of a clothes washer-dryer on the selected programme, when loaded in accordance with the instructions of the manufacturer, importer or authorised representative;

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- “rated load capacity” means the maximum mass of a textile material, measured in multiples of 0.5 kilograms for each kind of textile material, that the supplier or manufacturer indicates can be treated in all operations by the clothes washing machine;
- “rated voltage” means voltage or voltage range marked on the clothes washing machine, in volts (V);
- “rated washing capacity” means the maximum mass in kilograms stated by the manufacturer, importer or authorised representative at 0.5 kilogram intervals of dry textiles of a particular type, which can be treated in one washing cycle of a clothes washing machine, or in one washing cycle of a clothes washer-dryer respectively, on the selected programme, when loaded in accordance with the instructions of the manufacturer, importer or authorised representative;
- “rating plate” means a name plate that indicates the measurable performance capability of a clothes washing machine;
- “record” includes a book, document, label, mark, symbol, inscription and information in electronic form;
- “remaining moisture content” means the amount of moisture contained in the load at the end of the washing cycle for
- (a) a clothes washing machine; or
 - (b) a clothes washer-dryer;
- “rinsing effectiveness” means the concentration of the residual content of linear alkylbenzene sulfonate in the treated textiles after the washing cycle of a clothes washing machine or of a clothes washer-dryer or after the complete cycle of a clothes washer-dryer expressed in gram per kilogramme of dry textile;
- “sale” means the exchange of the product for consideration including hire purchase, credit sale and purchase by instalment;
- “Standards” means quality specifications for clothes washing machines as stipulated in the First Schedule;

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“Standards Authority” means the Standards Authority established under the Standards Authority Act, 1973 (NRCD 173);

“Standard Cycle Energy Consumption” means the energy consumption taken as a reference as a function of the rated capacity of a clothes washing machine expressed in kilowatt hour per cycle;

“standby mode” means a condition where the clothes washing machine is connected to the mains, and provides only the following functions, which may persist for an indefinite time:

(a) reactivation function; and

(b) a mere indication of enabled reactivation function;

“supplier” means a person or organisation that provides a product, including

(a) a manufacturer or the authorised representative of a manufacturer resident in the country; and

(b) an importer or the person who introduces clothes washing machine on the Ghanaian market;

“supply” includes an offer to supply, contract to supply and an advertisement for supply of a clothes washing machine, except an exhibition at a trade fair of a clothes washing machine that is prohibited by these Regulations;

“trade secret” means a secret device or technique used by a company in manufacturing the products of the company;

“wash and dry” means the name of the complete cycle of a clothes washer-dryer, which consists of the eco 40-60 programme for the washing cycle, and of a drying cycle achieving cupboard dry status;

“washing cycle” means a complete washing process as defined by a selected programme, consisting of a series of different operations including washing, rinsing, and spinning;

“washing efficiency index” means the ratio of the washing efficiency of the washing cycle of a clothes washing machine

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or of a clothes washer-dryer (I_w), or of the complete cycle of a clothes washer-dryer (J_w), to the washing efficiency of a reference clothes washing machine;

“wattage” means the power marked on a clothes washing machine, in watts (W);

“weighted energy consumption of a clothes washing machine for the eco 40-60 programme” means the weighted average of the energy consumption of the washing cycle of a clothes washing machine or a clothes washer-dryer for the eco 40-60 programme at rated washing capacity, and at half and at a quarter of the rated washing capacity, expressed in kilowatt hour per cycle;

“weighted energy consumption” means the weighted average of the energy consumption of the clothes washer-dryer for the wash and dry cycle at rated capacity and at half of the rated capacity, expressed in kilowatt hour per cycle;

“weighted water consumption of a clothes washing machine for the eco 40-60 programme” means the weighted average of the water consumption of the washing cycle of a clothes washing machine or of a clothes washer-dryer for the eco 40-60 programme at rated washing capacity, and at half and at a quarter of the rated washing capacity, expressed in litres per cycle;

“weighted water consumption” means the weighted average of the water consumption of a clothes washer-dryer for the wash and dry cycle at rated capacity and at half of the rated capacity, expressed in litres per cycle;

“wrinkle guard function” means an operation of the clothes washing machine or of the clothes washer-dryer after completion of a programme to prevent excessive wrinkle building in the laundry; and

“year” means the period from 1st January to 31st December.

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Transitional provision

45. A person who, before the coming into force of these Regulations, has

- (a) manufactured in the country; or
- (b) imported into the country

a clothes washing machine that does not comply with these Regulations, shall, within one year after the coming into force of these Regulations, sell, distribute, donate or otherwise dispose of that clothes washing machine.

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SCHEDULES

FIRST SCHEDULE

STANDARDS

(regulations 1(a)(i), 3(1)(b)(i)) and 44)

1. GS IEC 60456 : 2010 Household washing machines for clothes use – Methods for measuring the performance
2. GS IEC 62301 : 2011 Household electrical appliances – Measurement of standby power
3. GS IEC 60335-2-7 : 2016 Household and similar electrical appliances – Safety – Part 2-7: Particular requirements for washing machines
4. GS IEC 60704-2-4 : 2011 Household and similar electrical appliances – Test code for determination of airborne acoustical noise – Part 2-4: Particular requirements for washing machines and spin extractors

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SECOND SCHEDULE

MINIMUM ENERGY PERFORMANCE STANDARDS

(regulations 1(a)(i), 1(b), 3(1)(b)(ii), 4 (1)(a), 6 and 11(1)(e)(v), (vi), (vii), (viii), (ix), (xii), (xiii) and (xvi), 11(2) and 13(4)(a))

PART ONE

(regulations 1(a)(i), 1(b), 3(1)(b)(ii), 4(1)(a) and 6)

Minimum performance requirement specifications and the efficiency star rating classifications are used in the overall efficiency performance rating of a clothes washing machine, based on test methods and measurements under standard tests conditions set out in the Standards provided in the First Schedule.

1. Minimum performance requirements

- 1.1 In addition to the energy efficiency performance parameters, the following additional performance requirements of the product are also critical and of concern under the energy efficiency standards and labeling program in Ghana:
- (a) wash performance;
 - (b) rinse performance;
 - (c) water consumption;
 - (d) duration of the eco 40-60 programme; and
 - (e) water extraction performance (Remaining water content).
- 1.2 The clothes washing machine shall meet the minimum performance requirements specified in Tables 1.1. These would be additional parameters verified other than energy consumption in the verification testing of drawn samples.

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Table 1.1: Minimum Performance Requirement for Clothes Washing Machines and Clothes Washer-Dryers

Performance parameter	Washing Machine or Washing cycle of Washer-dryer			Washer Dryer (wash and dry cycle)		
	Full Cap	½-Cap	¼-Cap	Full Cap	½-Cap	¼-Cap
1. Washing Efficiency Index (I_w)	>1.03	>1.03	>1.03	>1.03	>1.03	-
a) Load > 3kg	>1.00	-	-	>1.00	-	-
b) Load ≤ 3kg						
2. Rinsing Effectiveness (I_R)						
a) Load > 3kg wash cycle	5g/kg	5g/kg	5g/kg	5g/kg	5g/kg	-
b) Load > 3kg wash & dry	n/a	n/a	n/a	5g/kg	5g/kg	-
3. Weighted water consumption (W_w, W_{wd} in liters/cycle)	$W_w \leq 2,25 \times c + 30$ where: c= rated capacity of the wash cycle			$W_{wd} \leq 10 \times d + 30$ where: d= rated capacity of the wash & dry cycle		
Performance parameter	Rated washing capacity and allowed time for programme					
	Full Capacity			½ & ¼ Capacity		
4. Duration of eco 40-60 programme (t_w)	$t_{cap} = 137+c \times 10.2$ (minutes) Maximum allowed: 240 minutes where: c= rated capacity			$t_{cap} = 120 + c \times 6$ (min) Maximum allowed: 180 minutes where: c= rated capacity		
5. Remaining Water Content (D)	D ≤ 75%			D ≤ 75%		

- 1.3 Measurements of the specified parameters shall be made in accordance with the test methods and procedures prescribed in the Standards of the First Schedule and calculations in accordance with Part Two of this Schedule.
- 1.4 A clothes washing machine that fails to meet the requirements of Table 1 shall be deemed to be non-compliant under these Regulations and shall not be eligible for manufacture, importation or offered for sale in Ghana.

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2. Energy efficiency performance classification

- 2.1 The energy efficiency class of a clothes washing machine and a clothes washer-dryer are determined on the basis of their Energy Efficiency Index (EEI_W or EEI_{WD}) as set out in Table 1.2.

Table 1.2: Energy Efficiency Star Rating Classes for Clothes Washing machine or Clothes Washer-Dryer

Energy Efficiency Star Rating	Energy Efficiency Index - Washing machine (EEI_W)	Energy Efficiency Index -Washer Dryer machine (EEI_{WD})
7-star	$EEI_W < 45$	$EEI_{WD} < 40$
6-star	$45 \leq EEI_W < 52$	$40 \leq EEI_{WD} < 45$
5-star	$52 \leq EEI_W < 59$	$45 \leq EEI_{WD} < 52$
4-star	$59 \leq EEI_W < 68$	$52 \leq EEI_{WD} < 59$
3-star	$68 \leq EEI_W < 77$	$59 \leq EEI_{WD} < 68$
2-star	$77 \leq EEI_W < 82$	$68 \leq EEI_{WD} < 77$
1-star	$82 < EEI_W \leq 87$	$77 \leq EEI_{WD} < 82$

- 2.2 The Energy Efficiency Index (EEI) of a clothes washing machine and a clothes washer-dryer shall be determined in accordance with calculations specified in Part Two of this Schedule.

3. Spin-drying efficiency classes

The spin-drying efficiency class of a clothes washing machine shall be determined on the basis of the remaining moisture content (D) as set out in Table 1.3.

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Table 1.3: Spin-drying Efficiency Classes

Spin-drying Efficiency class	Remaining moisture content, D (%) Front Loaders	Remaining moisture content, D (%) Top Loaders
Class 7	$D < 45$	$D < 45$
Class 6	$45 \leq D < 54$	$45 \leq D < 54$
Class 5	$54 \leq D < 63$	$54 \leq D < 63$
Class 4	$63 \leq D < 72$	$63 \leq D < 72$
Class 3	$72 \leq D < 81$	$72 \leq D < 81$
Class 2	$81 \leq D < 90$	$81 \leq D < 90$
Class 1	$D \geq 90$	$D \geq 90$

The remaining moisture content (D) of a clothes washing machine shall be determined in accordance with calculations specified in Part 2 of this Schedule.

4. Low Power modes

A clothes washing machine and a clothes washer-dryer shall meet the following requirements:

- (1) a clothes washing machine and a clothes washer-dryer shall have an off-mode or a stand-by mode or both. The power consumption of these modes shall not exceed 0.50 W;
- (2) if the stand-by mode includes the display of information or status, the power consumption of this mode shall not exceed 1.00 W;
- (3) if the stand-by mode provides for a connection to a network and provides networked standby, the power consumption of this mode shall not exceed 2.00 W;

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- (4) the clothes washing machine or clothes washer-dryer shall switch automatically to off-mode or standby mode
- (a) not more than fifteen minutes after the clothes washing machine or clothes washer-dryer has been switched on;
 - (b) after the end of a programme or associated activity;
 - (c) after an interruption of the wrinkle guard function;
 - (d) after any other interaction with the clothes washing machine and clothes washer-dryer, if no other mode, including emergency measures, is triggered;
- (5) where the clothes washing machine or clothes washer-dryer provides for a delay start, the power consumption of the delay start, including any standby mode, shall not exceed 4.00 W. The delay start shall not be programmable by the user for more than 24 hours;
- (6) a clothes washing machine or a clothes washer-dryer that can be connected to a network shall provide the possibility to activate and deactivate the network connection. The network connection shall be deactivated by default.

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PART TWO

(regulations 11(1)(e)(v) and (xvi) and 11(2))

MEASUREMENTS AND CALCULATIONS

1. Calculation of the Energy Efficiency Index (EEI_w)

1.1 For the calculation of the Energy Efficiency Index (EEI_w) of a clothes washing machine model or washing cycle of a clothes washer-dryer model, the weighted energy consumption of a clothes washing machine for the eco 40-60 programme at the rated washing capacity, half of the rated washing capacity and a quarter of the rated washing capacity is compared to the standard cycle energy consumption of the clothes washing machine.

1.2 The Energy Efficiency Index (EEI_w) is calculated as follows and rounded to one decimal place:

$$EEI_w = \frac{E_w}{SCE_w} \times 100$$

where:

E_w = the weighted energy consumption of the clothes washing machine or of the washing cycle of the clothes washer-dryer

SCE_w = the standard cycle energy consumption of the clothes washing machine or the washing cycle of the clothes washer-dryer

1.3 The Standard Energy consumption (SCE_w) is calculated in kWh/cycle as follows and rounded to three decimal places:

$$SCE_w = -0.0025 \times c^2 + 0.0846 \times c + 0.3920$$

where:

c = rated capacity of the clothes washing machine or the rated washing capacity of the clothes washer-dryer for the eco 40-60 programme.

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1.4 The weighted energy consumption (E_w) is calculated in kWh/cycles as follows and is rounded to three decimal places:

$$E_w = A \times E_{w,\text{full}} + B \times E_{w,1/2} + C \times E_{w,1/4}$$

where:

$E_{w,\text{full}}$ = the energy consumption of the clothes washing machine or of the washing cycle of the clothes washer-dryer for the eco 40-60 programme at the rated washing capacity and rounded to three decimal places;

$E_{w,1/2}$ = the energy consumption of the clothes washing machine or of the washing cycle of the clothes washer-dryer for the eco 40-60 programme at half of the rated washing capacity and rounded to three decimal places

$E_{w,1/4}$ = the energy consumption of the clothes washing machine or of the washing cycle of the clothes washer-dryer for the eco 40-60 programme at quarter of the rated washing capacity and rounded to three decimal places

A, B & C = weighting factors for the various rated washing capacities with values shown in Table 2.1:

Table 2.1: Values for weighting factors A, B and C for rating modes of operation

1. For clothes washing machines/ clothes washer-dryers with rated washing capacity ≤ 3 kg	A=1; B=0; and C=0
2. For all other rating capacities of clothes washing machines/ clothes washer-dryers	A = $-0.0391 \times c + 0.6918$; B = $-0.0109 \times c + 0.3582$; C = $1 - (A + B)$ where 'c' is the <i>rated washing capacity</i> of the clothes washing machine or clothes washer-dryer

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2. Calculation of the Energy Efficiency Index (EEI_{WD})

- 2.1 For the calculation of the Energy Efficiency Index (EEI_{WD}) of a clothes washer-dryer model, the weighted energy consumption of the wash and dry cycle at the rated capacity and half of the rated capacity is compared to the standard cycle energy consumption of the clothes washer-dryer.
- 2.2 The Energy Efficiency Index (EEI_{WD}) is calculated as follows and rounded to one decimal place:

$$EEI_{WD} = E_{WD} / SCE_{WD} \times 100$$

where:

E_{WD} = is the weighted energy consumption of the complete cycle of the clothes washer-dryer

SCE_{WD} = the standard cycle energy consumption of the complete cycle of the clothes washer-dryer.

- 2.3 The Standard Energy consumption (SCE_{WD}) is calculated in kWh/cycle as follows and rounded to three decimal places:

$$SCE_{WD} = -0.0502 \times d^2 + 1.1742 \times d - 0.644$$

where: **d** = rated capacity of the clothes washer-dryer for the wash and dry cycle

- 2.4 The weighted energy consumption (**E_{WD}**) for clothes washer-dryers with washing capacity lower than or equal to 3kg is the energy consumption at rated capacity and rounded to three decimal places.

- 2.5 The weighted energy consumption (**E_{WD}**) for other rated capacities is calculated in kWh/cycles as follows and is rounded to three decimal places:

$$E_{WD} = 3 \times E_{WD,full} + 2 \times E_{WD,1/2}$$

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where:

$E_{WD,full}$ = the energy consumption of the clothes washer-dryer for the wash and dry cycle at rated capacity and rounded to three decimal places

$E_{WD,1/2}$ = the energy consumption of the clothes washer-dryer for the wash and dry cycle at half rated capacity and rounded to three decimal places

3. Calculation of the Weighted Water Consumption (W_w)

3.1 The weighted water consumption (W_w) of a clothes washing machine or of the washing cycle of a clothes washer-dryer is calculated in litres as follows and rounded up to the nearest integer:

$$W_w = (A \times W_{W,full} + B \times W_{W,1/2} + C \times W_{W,1/4})$$

where:

$W_{W,full}$ = the water consumption of the clothes washing machine or of the washing cycle of a clothes washer-dryer for the eco 40-60 programme at rated washing capacity, in litres and rounded to one decimal place;

$W_{W,1/2}$ = the water consumption of the clothes washing machine or of the washing cycle of a clothes washer-dryer for the eco 40-60 programme at half of the rated washing capacity, in litres and rounded to one decimal place;

$W_{W,1/4}$ = the water consumption of the clothes washing machine or of the washing cycle of a clothes washer-dryer for the eco 40-60 programme at a quarter of the rated washing capacity, in litres and rounded to one decimal place;

A, B and C are the weighting factors as described and provided in Table 3.

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4. Calculation of the Weighted Water Consumption (W_{WD})

4.1 For a clothes washer-dryer with a rated washing capacity lower than or equal to 3 kilograms, the weighted water consumption is the water consumption at rated capacity and rounded to the nearest integer.

4.2 For other clothes washer-dryers, the weighted water consumption (W_{WD}) of the wash and dry cycle of a clothes washer-dryer is calculated as follows, and is rounded to the nearest integer:

$$W_{WD} = 3 \times W_{WD,full} + 2 \times W_{WD,1/2}$$

where:

$W_{WD,full}$ = the water consumption of the wash and dry cycle of a clothes washer-dryer at rated capacity, in litres and rounded to one decimal place;

$W_{WD,1/2}$ = the water consumption of the wash and dry cycle of a clothes washer-dryer at half of the rated capacity, in litres and rounded to one decimal place.

5. Calculation of the Weighted Remaining Moisture Content (D)

5.1 The weighted remaining moisture content (D) after washing (or spin-drying efficiency) of a clothes washing machine and of the washing cycle of a clothes washer-dryer is calculated in percentage as follows and rounded to the nearest whole percent:

$$D = A \times D_{full} + B \times D_{1/2} + C \times D_{1/4}$$

where:

D_{full} = the remaining moisture content for the eco 40-60 programme at rated washing capacity, in percentage and rounded to one decimal place measured in accordance with the harmonized standards;

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$D_{1/2}$ = the remaining moisture content of the eco 40-60 programme at half of the rated washing capacity in percentage and rounded to one decimal place measured in accordance with the harmonized standards;

$D_{1/4}$ = the remaining moisture content of the eco 40-60 programme at a quarter of the rated washing capacity in percentage and rounded to one decimal place measured in accordance with the harmonized standards; and

A, B and C are the weighting factors as described and provided in Table 3.

6. Final Moisture Content (clothes washer-dryer)

- 6.1 For the drying cycle of a clothes washer-dryer, cupboard dry status corresponds to zero per cent final moisture content, which is the thermodynamic equilibrium of the load with the ambient air conditions of temperature (tested at 20 ± 2 °C) and relative humidity (tested at 65 ± 5 %).
- 6.2 The final moisture content is calculated in accordance with the harmonised standards as provided in the First Schedule.

7. Rinsing Effectiveness

The rinsing effectiveness of clothes washing machines and of the washing cycle of clothes washer-dryers (I_R) and the rinsing effectiveness of the complete cycle of clothes washer-dryers (J_R) shall be calculated (rounded to one decimal place) in accordance with the harmonised standards as provided in the First Schedule.

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8. Maximum Temperature

The maximum temperature reached for five minutes inside the laundry being treated in the clothes washing machines and in the washing cycle of clothes washer-dryers shall be determined rounded to the nearest integer in accordance with the harmonised standards as provided in the First Schedule.

9. Low Power Modes

- 9.1 The power consumption of the off mode (P_o), standby mode (P_{sm}) and where applicable delay start (P_{ds}) are measured. The measured values are expressed in W and rounded to two decimal places.
- 9.2 During measurements of the power consumption in low power modes, the following shall be checked and recorded:
- (a) the display (or not) of information; and
 - (b) the activation (or not) of a network information.
- 9.3 If the clothes washing machine or clothes washer-dryer provides for a wrinkle guard function, this operation shall be interrupted by opening the clothes washing machine or clothes washer-dryer door, or any other appropriate intervention fifteen minutes before the measurement of energy consumption.

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THIRD SCHEDULE

THE LABEL

(regulations 3(1)(b)(iii), 11(1)(a)(i), 11(1)(d)(i) and 16(4)(b))

1. Label design

The design of the label for a clothes washing machine without a dryer shall be in accordance with Figure 1 and shall include the information required by the notes.

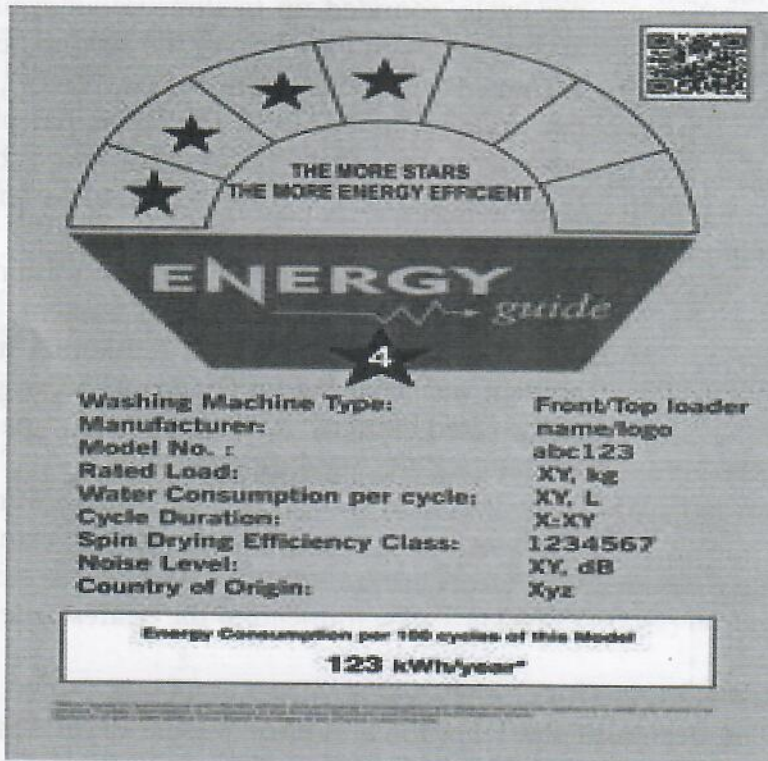


Figure 1: The Label

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2. Notes to Figure 1

2.1.1 The following information shall be included in the label:

- (a) Quick Response Code;
- (b) type of clothes washing machine;
- (c) name or trade mark of supplier;
- (d) model identifier of supplier;
- (e) year of manufacture;
- (f) rated capacity, in kilograms;
- (g) energy efficiency class (EEIw, or EEIwD) determined in accordance with Part One of the Second Schedule;
- (h) weighted energy consumption (E_w , E_wD) in kWh per cycle, rounded up to three decimal places in accordance with Part Two of the Second Schedule;
- (i) Weighted water consumption (W_w , W_wD), in litres per cycle, rounded up to three decimal places in accordance with Part Two of the Second Schedule;
- (j) programme duration (t_w), expressed in hours and minutes;
- (k) remaining moisture content after the washing cycle, expressed in percentage of water content, and the spinning speed at which the remaining moisture content was achieved for the eco 40-60 programme at the rated capacity, half of the rated capacity and a quarter of the rated capacity; and
- (l) airborne acoustical noise emissions, during the washing and spinning phases, for the standard 60 °C cotton programme at full load, expressed in dB(A) re 1 pW, rounded to the nearest integer.

3. Label design for clothes washer-dryer machine

The design of the label for a clothes washer-dryer shall be in accordance with Figure 2 and shall include the information required by the notes.

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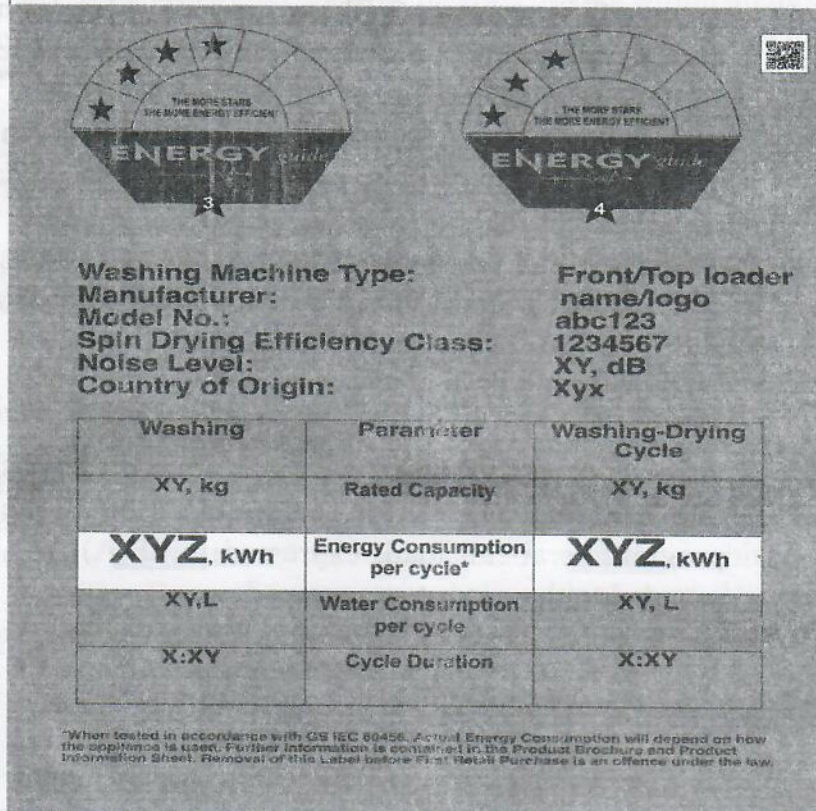


Figure 2: Label for clothes washer-dryer

4. Notes to Figure 2

4.1 The following information shall be included in the label:

- (a) Quick Response Code;
- (b) Type of clothes washing machine;
- (c) name or trade mark of manufacturer or supplier;
- (d) model identifier of supplier;
- (e) year of manufacture;
- (f) rated load capacity for washing cycle and washing-drying cycle respectively, in kilogramme;

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- (g) energy efficiency class (EEI_{wD} and EEI_w) for washing-drying cycle and washing cycle respectively determined in accordance with Part One of the Second Schedule;
- (h) weighted energy consumption (E_{wD} , E_w) in kWh per cycle, rounded up to three decimal places in accordance with Part Two of the Second Schedule;
- (i) weighted water consumption (W_{wD} , W_w), in litres per cycle, rounded up to three decimal places in accordance with Part Two of the Second Schedule;
- (j) cycle programme duration (t_w) expressed in hours and minutes for the eco 40-60 washing programme;
- (k) airborne acoustical noise emissions, during the washing and spinning phases, for the standard 60 °C cotton programme at full load, expressed in dB(A) re 1 pW, rounded to the nearest integer; and
- (l) country of origin of the clothes washing machine.

5. Printing

5.1 Figure 3 defines aspects of the label.

5.2 The dimensions of the labels shall be in accordance with the illustration in Figure 3 and shall be placed on the front of the door or on the lid of the clothes washing machine.

5.3 Colours are to be used on the label in accordance with the following:

- (a) all text shall be black or gold as illustrated;
- (b) the background shall be gold;
- (c) all stars shall be in black; and
- (d) the border line shall be in black.

6. Dimensions of Labels

The dimensions of the labels are shown in Figure 3.

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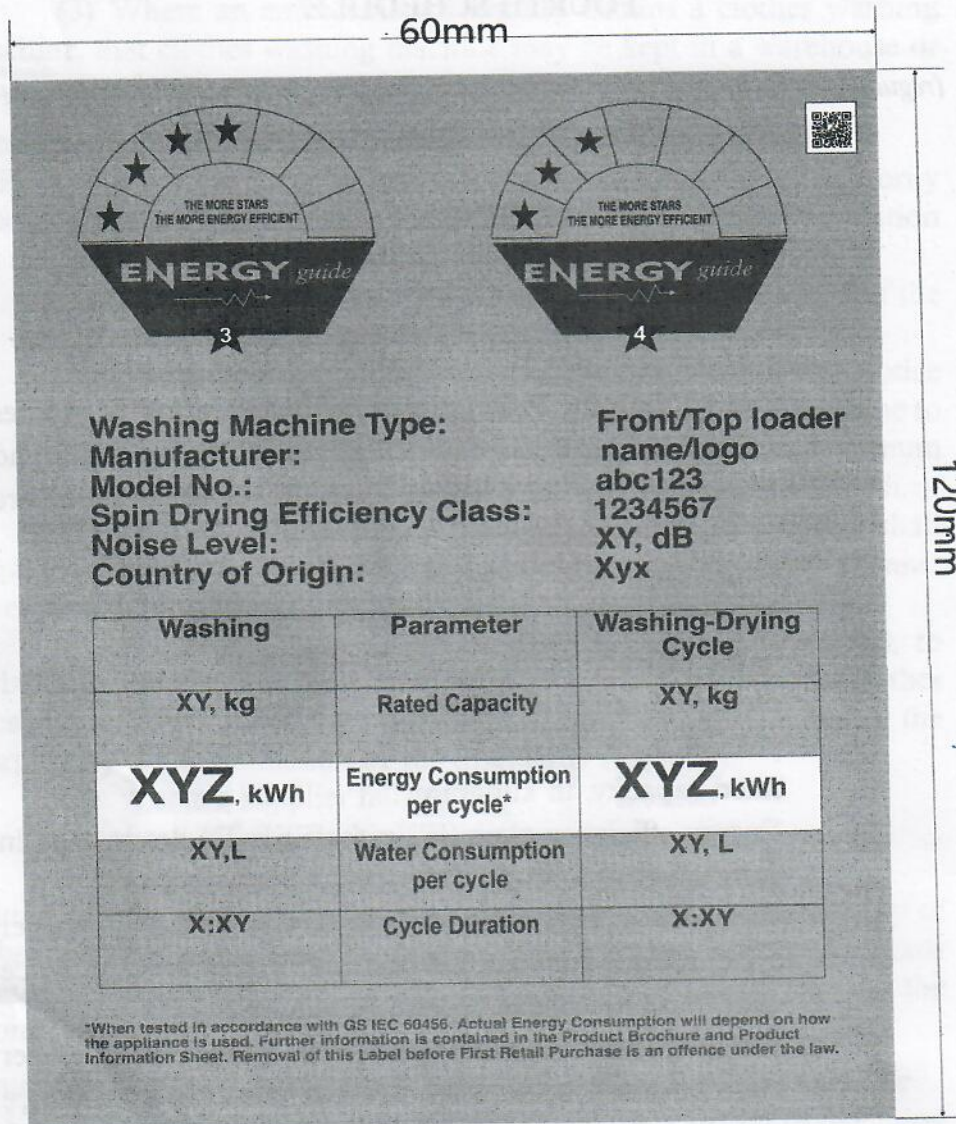


Figure 3: Label Dimensions

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FOURTH SCHEDULE

(regulations 3(1)(b)(iv), 3(2), 5, 10(2)(b) and (c), 11(1)(c), 16(4)(b),(c),(d) and (e), 18(1), 18(2)(b), 22(b), 24(2)(c), 25(b)(iii) and 26(2)(a))

PART ONE

(regulations 10(2)(b), 11(1)(c), 18(1), 18(2)(b) and 22(b))

PRODUCT INFORMATION SHEET

1. The information in the Product Information Sheet of the clothes washing machine shall be provided in the following order and shall be included in the product brochure or other literature provided with the product:
 - (a) Quick Response Code;
 - (b) type or category of clothes washing machine;
 - (c) name or trade mark of supplier;
 - (d) model identifier of supplier;
 - (e) year of manufacture;
 - (f) rated capacity, in kilogram;
 - (g) Energy efficiency class (EEI_w, or EEI_{wD}) determined in accordance with Part One of the Second Schedule;
 - (h) Weighted energy consumption (E_w, E_{wD}) in kWh per cycle, rounded up to three decimal places in accordance with Part Two of the Second Schedule;
 - (i) Weighted water consumption (W_w, W_{wD}), in litres per cycle, rounded up to three decimal places in accordance with Part Two of the Second Schedule;
 - (j) programme duration (t_w), expressed in hours and minutes;

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- (k) remaining moisture content after the washing cycle, expressed in percentage of water content, and spinning speed at which this was achieved for each of the following programmes:
- (i) the eco 40-60 programme at the rated capacity, half of the rated capacity and a quarter of the rated capacity;
 - (ii) the 20 °C programme at the rated capacity for this programme;
 - (iii) one cotton programme at nominal temperature higher than or equal to 60 °C (if present) at the rated capacity for this programme;
 - (iv) one programme for other textiles than cotton or a mix of textiles (if present) at the rated capacity for this programme;
 - (v) one programme for the quick washing of lightly soiled laundry (if present) at the rated capacity for this programme;
 - (vi) one programme for heavily soiled textiles (if present) at the rated capacity for this programme; and
 - (vii) for clothes washer-dryers, the wash and dry cycle at the rated capacity and at half of the rated capacity;
- (l) maximum temperature reached for a minimum of five minutes inside the laundry being treated in the washing cycle, expressed in degrees centigrade;
- (m) airborne acoustical noise emissions, during the washing and spinning phases, for the eco 40- 60 °C cotton programme at full load, expressed in dB(A) re 1 pW, rounded to the nearest integer; and
- (n) the following general information:
- (i) information that the eco 40-60 programme is able to clean normally soiled cotton laundry declared to be washable at 40 °C or 60 °C, together in the same cycle, and that this programme is used to assess the compliance with the EU ecodesign legislation;

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- (ii) information that the most efficient programmes in terms of energy consumption are generally those that perform at lower temperatures and longer duration;
 - (iii) for a clothes washer-dryer, information that the wash and dry cycle is able to clean normally soiled cotton laundry declared to be washable at 40 °C or 60 °C, together in the same cycle, and to dry it in such a way that it can be immediately stored in a cupboard, and that this programme is used to assess the compliance with the EU ecodesign legislation;
 - (iv) information that loading the clothes washing machine or the clothes washer-dryer up to the capacity indicated by the manufacturer for the respective programmes will contribute to energy and water savings;
 - (v) recommendations on the type of detergents suitable for the various washing temperatures and washing programmes;
 - (vi) information that noise and remaining moisture content are influenced by the spinning speed: the higher the spinning speed in the spinning phase, the higher the noise and the lower the remaining moisture content; and
 - (vii) information on how to activate and deactivate the network connection, if applicable and the impact on energy consumption.
2. One Product Information Sheet may cover a number of clothes washing machine and clothes washer-dryer models supplied by the same supplier.

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3. The information contained in the Product Information Sheet may be given in the form of a copy of the label, either in colour or in black and white. Where this is the case, the set of information listed in paragraph 1 not already displayed on the label shall also be provided.

Table 4.1: Sample Product Information Sheet (clothes washing machine or clothes washer-dryer)

Supplier's name or trade mark:				
Supplier's address:				
Model identifier:				
General product parameters:				
Parameter	Value	Parameter	Value	
Rated capacity (kg)	x,x	Dimensions in cm	Height	x
			Width	x
			Depth	x
EEI _w / EEI _{wd}	x,x	Energy efficiency class	[1/2/3/4/5/6/7]	
Washing efficiency index	x,xx	Rinsing effectiveness (g/kg)	x,x	
Energy consumption in kWh per cycle, based on the eco 40-60 programme. Actual energy consumption will depend on how the appliance is used.	x,xxx	Water consumption in litre per cycle, based on the eco 40-60 programme. Actual water consumption will depend on how the appliance is used and on the hardness of the water.	X	

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Maximum temperature inside the treated textile (°C)	@ Rated capacity	x	Remaining moisture content (%)	@ Rated capacity	x
	@ Half	x		@ Half	x
	@ Quarter	x		@ Quarter	x
Spin speed (rpm)	@ Rated capacity	x	Spin-drying efficiency class ^a	[A/B/C/D/E/F/G]	
	@ Half	x			
	@ Quarter	x			
Programme duration ^a (h:min)	@ Rated capacity	x: xx	Type	[built-in/free-standing]	
	@ Half	x: xx			
	@ Quarter	x: xx			
Airborne acoustical noise emissions in the spinning phase (dB(A) re 1 pW)	x		Airborne acoustical noise emission class (spinning phase)	[A/B/C/D]	
Off-mode (W)	x,xx		Standby mode (W)	x,xx	
Delay start (W) (if applicable)	x,xx		Networked standby (W) (if applicable)	x,xx	
Minimum duration of the guarantee offered by the supplier					
This product has been designed to release silver ions during the washing cycle			[YES/NO]		
Additional information:					

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PART TWO

(regulation 5)

The type or category of a clothes washing machine under these Regulations is shown in Table 4.2.

Table 4.2: Type or Category of Clothes Washing machines or Clothes Washer-dryers

Type/Category	Description	Respond/Tick	
		YES	NO
Type of clothes washing machine/ clothes washer- dryer	Fully Automatic		
	Semi Auto		
	Manual		
Categories of cloths washing machine/ clothes washer-dryer	Top load		
	Front load		

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PART THREE
(regulation 10(2)(c))

Technical documentation

1. The technical documentation referred to in regulation 10 shall include:

- (a) the information in Tables 1 and 2 under Part 2 of this Schedule; and
- (b) the information as set out in Table 4.3 below.

Table 4.3: Technical documentation requirements

PARAMETER	UNIT	VALUE
Rated capacity for the eco 40-60 programme, at 0.5 kg intervals (c)	Kg	X,X
Energy consumption of the eco 40-60 programme at rated capacity ($E_{w,full} / E_{WD,full}$)	kWh/cycle	X,XXX
Energy consumption of the eco 40-60 programme at half rated capacity ($E_{w,1/2} / E_{WD,1/2}$)	kWh/cycle	X,XXX
Energy consumption of the eco 40-60 programme at quarter rated capacity ($E_{w,1/4}$)	kWh/cycle	X,XXX
Weighted energy consumption of the eco 40-60 programme (E_w / E_{WD})	kWh/cycle	X,XXX
Standard energy consumption of the eco 40-60 programme (SCE_w / SCE_{WD})	kWh/cycle	X,XXX
Energy Efficiency Index (EEI_w / EEI_{WD})	—	X,X
Water consumption of the eco 40-60 programme at rated washing capacity ($W_{w,full}$)	L/cycle	X,X
Water consumption of the eco 40-60 programme at half rated washing capacity ($W_{w,1/2}$)	L/cycle	X,X
Water consumption of the eco 40-60 programme at quarter rated washing capacity ($W_{w,1/4}$)	L/cycle	X,X

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Weighted water consumption for washing (W_w)	L/cycle	X
Water consumption of the wash and dry cycle at rated capacity ($W_{WD,full}$) - relevant for clothes washer-dryer only	L/cycle	X,X
Water consumption of the wash and dry cycle at half rated capacity ($W_{WD,1/2}$) - relevant for clothes washer-dryer only	L/cycle	X,X
Weighted water consumption of the wash and dry cycle (W_{WD}) - relevant for clothes washer-dryer only	L/cycle	X
Washing efficiency index of the eco 40-60 programme at rated capacity (I_w)	—	X,XX
Washing efficiency index of the eco 40-60 programme at half rated capacity (I_w)	—	X,XX
Washing efficiency index of the eco 40-60 programme at quarter rated capacity (I_w)	—	X,XX
Rinsing effectiveness of the eco 40-60 programme at rated capacity (I_R)	g/kg	X,X
Rinsing effectiveness of the eco 40-60 programme at half rated capacity (I_R)	g/kg	X,X
Rinsing effectiveness of the eco 40-60 programme at quarter rated capacity (I_R)	g/kg	X,X
Programme duration of the eco 40-60 programme at rated capacity (t_w)	h:min	X:XX
Programme duration of the eco 40-60 programme at half rated capacity (t_w)	h:min	X:XX
Programme duration of the eco 40-60 programme at quarter rated capacity (t_w)	h:min	X:XX
Temperature reached for minimum 5 min inside the load during eco 40-60 programme at rated capacity (T)	°C	X
Temperature reached for minimum 5 min inside the load during eco 40-60 programme at half rated capacity (T)	°C	X
Temperature reached for minimum 5 min inside the load during eco 40-60 programme at quarter rated capacity (T)	°C	X
Spin speed in the spinning phase of the eco 40-60 programme at rated capacity (S)	Rpm	X

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PART FOUR
(regulation 24(2)(c))

Mail Order and other Distance Selling

Information to be provided in the cases where end-users cannot be expected to see the product displayed

1. The information referred to in regulation 24 shall be provided in the following order:

- (a) the rated capacity in kg of cotton;
- (b) the energy efficiency class as defined in paragraph 2 under Part One of the Second Schedule;
- (c) the weighted energy consumption in kWh per cycle, rounded up to three decimal places and calculated in accordance with provisions under Part Two of the Second Schedule;
- (d) the weighted water consumption in litres per cycle, rounded up to three decimal places and calculated in accordance with provisions under Part Two of the Second Schedule;
- (e) programme duration (t_w), expressed in hours and minutes for the eco 40-60 programme at the rated capacity;
- (f) remaining moisture content after the washing cycle, expressed in percentage of water content, and spinning speed at which this was achieved for the eco 40-60 programme at the rated capacity, half of the rated capacity and a quarter of the rated capacity;
- (g) airborne acoustical noise emissions during the washing and spinning phases, for the standard 60 °C cotton programme at full load, expressed in dB(A) re 1 pW and rounded to the nearest integer; and
- (h) if the clothes washing machine is produced in order to be built-in, an indication to this effect.

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2. Where other information contained in the Product Information Sheet is also provided, it shall be in the form and order specified in Part One of this Schedule.
3. The size and font, in which all the information referred in this Schedule is printed or shown, shall be legible.

PART FIVE

(regulation 3(2), 16(4)(c),(d) and (e) and 25(b)(iii))

Information to be provided in audio advertisements, visual advertisements, in technical promotional material, in distance selling, except distance selling on the internet

1. In an audio advertisement, for the purposes of ensuring conformity with the requirements laid down in subregulation (2) of regulation 3, the energy efficiency class of the model or models of appliance being advertised and the range of energy efficiency classes available on the market shall be stated in the advertisement.
2. In a visual advertisement, for the purposes of ensuring conformity with the requirements laid down in subregulation (2) of regulation 3, the energy efficiency class and the range of energy efficiency classes available on the label shall be shown as set out in paragraph 5 of this Part.
3. In technical promotional material, for the purposes of ensuring conformity with the requirements laid down in subregulation (2) of regulation 3, the energy efficiency class and the range of energy efficiency classes available on the label shall be shown as set out in paragraph 5 of this Part.

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4. Any paper-based distance selling must show the energy efficiency class and the range of energy efficiency classes available on the label as set out in paragraph 5 of this Part.
5. The energy efficiency class and the range of energy efficiency classes shall be shown, as indicated in Figure 1, with
 - (a) an arrow, containing the letter of the energy efficiency class in hundred per cent white, Calibri Bold and in a font size at least equivalent to that of the price, when the price is shown;
 - (b) the colour of the box shall be gold;
 - (c) the range of available energy efficiency classes in hundred per cent black; and
 - (d) the size shall be such that the box is clearly visible and legible.
6. The number embedded in the black star corresponding with the energy efficiency class of the appliance star shall be in one hundred percent white and positioned in the center of the black star in the box, with a border of 0.5 points in one hundred percent black placed around the box and the star showing the energy efficiency star rating class.
7. By way of derogation, if the visual advertisement, technical promotional material or paper-based distance selling is printed in monochrome, the box can be in monochrome in that visual advertisement, technical promotional material or paper-based distance selling.

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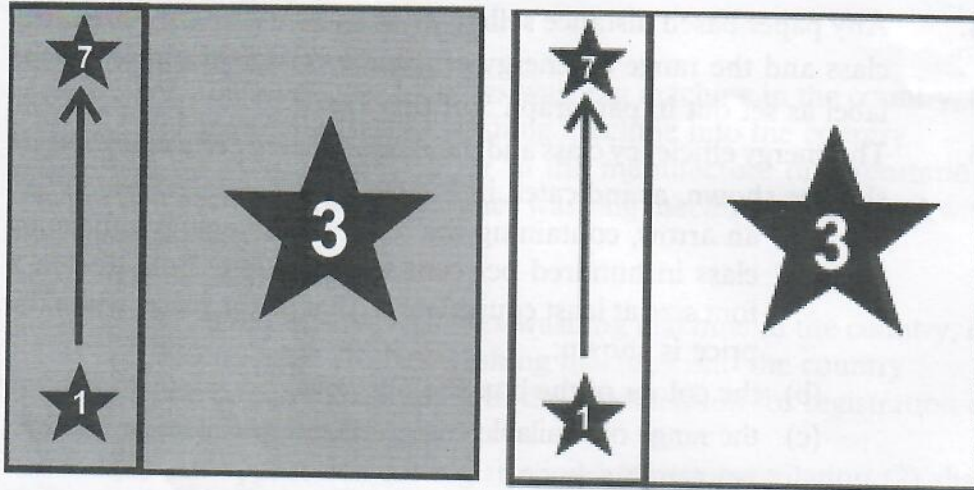


Figure 1: Coloured/monochrome Star Rating, with range of energy efficiency classes indicated

8. Telemarketing-based distance selling shall specifically inform the customer of the energy efficiency class of the product and of the range of energy efficiency classes available on the label, and that the customer can access the full label and the Product Information Sheet through a free access website, the public part of the Appliance Energy Efficiency Register of the Commission or by requesting a printed copy.
9. For all the situations mentioned in paragraphs 2 to 4 and paragraph 8, it shall be possible for the customer to obtain, on request, a printed copy of the label and the Product Information Sheet.

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PART SIX

(regulation 26(2)(a))

Information to be provided in the case of distance selling through the Internet

1. The appropriate label made available by suppliers in accordance with the Third Schedule shall be shown on the display mechanism in proximity to the price of the product.
2. The size shall be such that the label is clearly visible and legible and shall be proportionate to the size specified in the Third Schedule.
3. The label may be displayed using a nested display, in which case the image used for accessing the label shall comply with the specifications laid down in paragraph 5 of this Part.
4. If nested display is applied, the label shall appear on the first mouse click, mouse roll-over or tactile screen expansion on the image.
5. The image used for accessing the label in the case of nested display, as indicated in Figure 2, shall
 - (a) be a box in gold colour with a black star and an embedded number corresponding to the energy efficiency star rating of the product on the label;
 - (b) indicate the energy efficiency star rating of the product in the box in hundred per cent black, Calibri Bold and in a font size equivalent to that of the price;
 - (c) have the range of available energy efficiency classes in black; and
 - (d) have one of the following two formats, and its size shall be such that the box is clearly visible and legible.
The number showing the energy efficiency star rating

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shall be positioned in the centre of the box, with a visible border in hundred per cent black placed around the box and the number of the energy efficiency star rating:

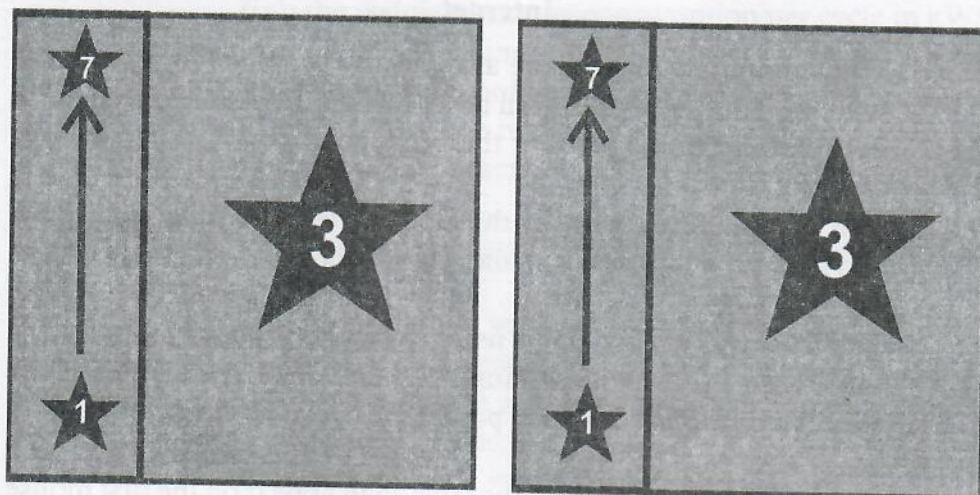


Figure 2: Coloured Star Rating, with range of energy efficiency classes indicated

6. In the case of a nested display, the sequence of display of the label shall be as follows:
- the image referred to in paragraph 5 of this Part shall be shown on the display mechanism in proximity to the price of the product;
 - the image shall link to the label set out in the Third Schedule;
 - the label shall be displayed after a mouse click, mouse roll-over or tactile screen expansion on the image;
 - the label shall be displayed by pop up, new tab, new page or inset screen display;
 - for magnification of the label on tactile screens, the device conventions for tactile magnification shall apply;

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- (f) the label shall cease to be displayed by means of a close option or other standard closing mechanism; and
- (g) the alternative text for the graphic, to be displayed on failure to display the label, shall be the energy efficiency class of the product in a font size equivalent to that of the price.

7. The electronic Product Information Sheet made available by suppliers in accordance with subregulation (2) of regulation 26 shall be shown on the display mechanism in proximity to the price of the product. The size shall be such that the Product Information Sheet is clearly visible and legible. The Product Information Sheet may be displayed using a nested display or by referring to the product database, in which case the link used for accessing the Product Information Sheet shall clearly and legibly indicate 'Product Information Sheet'. If a nested display is used, the Product Information Sheet shall appear on the first mouse click, mouse roll-over or tactile screen expansion on the link.

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FIFTH SCHEDULE

VERIFICATION PROCEDURE FOR MARKET SURVEILLANCE
(*regulation 33 (2)*)

Table: Measured parameter verification tolerances

Measured Parameter	Verification tolerances
$E_{W,full}$, $E_{W,1/2}$, $E_{W,1/4}$, $E_{WD,full}$, $E_{WD,1/2}$	The determined value shall not exceed the declared value of $E_{W,full}$, $E_{W,1/2}$, $E_{W,1/4}$, $E_{WD,full}$ and $E_{WD,1/2}$, respectively, by more than 10 %.
Weighted energy consumption (E_w and E_{WD})	The determined value shall not exceed the declared value of E_w , respectively E_{WD} , by more than 10 %.
$W_{W,full}$, $W_{W,1/2}$, $W_{W,1/4}$, $W_{WD,full}$, $W_{WD,1/2}$	The determined value shall not exceed the declared value of $W_{W,full}$, $W_{W,1/2}$, $W_{W,1/4}$, $W_{WD,full}$ and $W_{WD,1/2}$, respectively, by more than 10 %.
Weighted water consumption (W_w and W_{WD})	The determined value shall not exceed the declared value of W_w , respectively W_{WD} , by more than 10 %.
Washing efficiency index (I_w and J_w)	The determined value shall not be less than the declared value of I_w , respectively J_w , by more than 8 %.
Rinsing effectiveness (I_R and J_R)	The determined value shall not exceed the declared value of I_R , respectively J_R , by more than 1.0 g/kg.
Programme or cycle duration	The determined value of the programme or cycle duration shall not exceed the declared value by more than 5 % or by more than 10 minutes, whichever is smaller.

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Maximum temperature inside the laundry (T)	The determined value shall not be less than the declared values of T by more than 5K and it shall not exceed the declared value of T by more than 5K.
D_{full} , $D_{1/2}$, D	The determined value shall not exceed the declared value of D_{full} , $D_{1/2}$ and $D_{1/4}$, respectively, by more than 10 %.
Remaining moisture content after washing (D)	The determined value shall not exceed the declared value of D by more than 10 %.
Final moisture content after drying	The determined value ^a shall not exceed 3.0 %.
Spin speed (S)	The determined value shall not be less than the declared value of S by more than 10 %.
Power consumption in off mode (P_o)	The determined value of power consumption P_o shall not exceed the declared value by more than 0.1 W.
Power consumption in standby mode (P_{sm})	The determined value of power consumption P_{sm} shall not exceed the declared value by more than 10 % if the declared value is higher than 1.0 W, or by more than 0.1 W if the declared value is lower than or equal to 1.0 W.
Power consumption in delay start (P_{ds})	The determined value ^a of power consumption P_{ds} shall not exceed the declared value by more than 10 % if the declared value is higher than 1.0 W, or by more than 0.1 W if the declared value is lower than or equal to 1.0 W.
Airborne acoustical noise emissions	The determined value ^a shall not exceed the declared value by more than 2 dB re 1 pW.

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1. For the purposes of checking conformity with the requirements laid down in these Regulations, the Commission and the Standards Authority shall test single clothes washing machine.
2. If the measured parameters do not meet the values declared by the supplier within the tolerance ranges set out in the Table, the measurements shall be carried out on three more clothes washing machines. The arithmetic mean of the measured values of these three clothes washing machines shall meet the values declared by the supplier within the range defined in the Table.
3. Otherwise, the model and all other equivalent clothes washing machines models shall be considered not to comply with the requirements laid down in these Regulations.
4. The designated surveillance authorities shall use reliable, accurate and reproducible measurement procedures, which take into account the generally recognised state-of-the-art measurement methods, as set out in the Standards specified in the First Schedule.

In the case of three additional units tested as prescribed in paragraph 2 of this Schedule, the determined value means the arithmetical mean of the values determined for these three additional units.

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HON. DR. MATTHEW OPOKU PREMPEH
Minister responsible for Energy

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