S C H E D U L E S

SCHEDULE 10

Measurement methods and calculations for household washing machines and washer-dryers

*Energy efficiency index of household washing machines
and the washing cycle of household washer-dryers (EEI$_W$)*

Energy efficiency index

2.—(1) For the calculation of the EEI$_W$, the weighted energy consumption of the eco 40-60 programme at—

(a) the rated washing capacity;

(b) half of the rated washing capacity; and

(c) one quarter of the rated washing capacity;

must be compared to its standard cycle energy consumption.

(2) The EEI$_W$ must be rounded to one decimal place and calculated as follows—

$\text{EEI}_W = (\text{E}_W/\text{SCE}_W) \times 100$.

(3) For the purposes of sub-paragraph (2)—

(a) E$_W$ is the weighted energy consumption of the household washing machine or of the washing cycle of the household washer-dryer;

(b) SCE$_W$ is the standard cycle energy consumption of the household washing machine or the washing cycle of the household washer-dryer.

(4) The SCE$_W$ must be rounded to three decimal places and calculated in kWh per cycle as follows—

$\text{SCE}_W = -0.0025 \times c^2 + 0.0846 \times c + 0.3920$.

(5) For the purposes of sub-paragraph (4), c is—

(a) the rated capacity of the washing machine; or

(b) the rated washing capacity of the washer-dryer;

for the eco 40-60 programme.

(6) The E$_W$ must be rounded to three decimal places and calculated in kWh per cycle as follows—

$$\text{E}_W = A \times \text{E}_{W,\text{full}} + B \times \text{E}_{W,\frac{1}{2}} + C \times \text{E}_{W,\frac{1}{4}}$$

(7) For the purposes of sub-paragraph (6)—

(a) E$_{W,\text{full}}$ is the energy consumption of—

(i) the washing machine; or

(ii) the washing cycle of the household washer-dryer;

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for the eco 40-60 programme at the rated washing capacity, rounded to three decimal places;

(b) $E_{W,\frac{1}{2}}$ is the energy consumption of—

(i) household washing machine; or

(ii) the washing cycle of the household washer-dryer;

for the eco 40-60 programme at half of the rated washing capacity, rounded to three decimal places;

(c) $E_{W,1/4}$ is the energy consumption of—

(i) the washing machine; or

(ii) the washing cycle of the household washer-dryer;

for the eco 40-60 programme at a quarter of the rated washing capacity, rounded to three decimal places;

(d) A is the weighting factor for the rated washing capacity and rounded to three decimal places;

(e) B is the weighting factor for half of the rated washing capacity and rounded to three decimal places;

(f) C is the weighting factor for a quarter of the rated washing capacity and rounded to three decimal places;

(g) for washing machines with a rated capacity lower than or equal to 3 kg and washer-dryers with a rated washing capacity lower than or equal to 3 kg—

(i) A is equal to 1;

(ii) B and C are be equal to 0;

(h) for other washing machines and washer-dryers, the values of the weighting factors depend on the rated capacity according to the following equations—

(i) $A = -0.0391 \times c + 0.6918$;

(ii) $B = -0.0109 \times c + 0.3582$;

(iii) $C = 1 - (A + B)$;

where c is the rated capacity of the washing machine or the rated washing capacity of the washer dryer.