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ENERGY CONSERVATION ACT (CHAPTER 92C)

ENERGY CONSERVATION (REGULATED GOODS AND REGISTERED SUPPLIERS) (AMENDMENT NO. 2) REGULATIONS 2021

In exercise of the powers conferred by section 78 of the Energy Conservation Act, the Minister for Sustainability and the Environment makes the following Regulations:

Citation and commencement

1. These Regulations are the Energy Conservation (Regulated Goods and Registered Suppliers) (Amendment No. 2) Regulations 2021 and come into operation on 1 January 2022.

Amendment of First Schedule

2. The First Schedule to the Energy Conservation (Regulated Goods and Registered Suppliers) Regulations 2017 (G.N. No. S 748/2017) is amended —

- (a) by deleting “2.90” in the second column of item 1 of paragraph 2 and substituting “3.78”;
- (b) by deleting “3.78” in the second column of items 2 to 5 of paragraph 2 and substituting in each case “4.04”;
- (c) by deleting “0.551” in the second column of item 6 of paragraph 2 and substituting “0.461”;
- (d) by deleting items 7 and 8 of paragraph 2 and substituting the following item:

“7. Refrigerator with freezer	$\text{AEC} \leq (465 + 1.378 \times V_{\text{adj}}) \times 0.427$
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- (e) by deleting “0.485” in the second column of item 9 of paragraph 2 and substituting “0.409”;
- (f) by deleting “0.67” in the second column of item 10 of paragraph 2 and substituting “0.55”;
- (g) by deleting sub-paragraphs (a) to (e) of paragraph 3 and substituting the following sub-paragraphs:

“(a) for casement and window type air-conditioners —

<i>Ticks</i>	<i>Energy efficiency rating</i>	<i>Coefficient of Performance (COP) and standby power range</i>
2	Fair	$3.78 \leq \text{COP} < 4.29$
3	Good	$4.29 \leq \text{COP} < 4.86$
4	Very Good	$\text{COP} \geq 4.86$
5	Excellent	$\text{COP} \geq 5.50$ and standby power ≤ 4

(b) for split type (non-inverter) air-conditioners with one indoor unit —

<i>Ticks</i>	<i>Energy efficiency rating</i>	<i>Coefficient of Performance (COP) and standby power range</i>
2	Fair	$\text{COP} \geq 4.04$
3	Good	$4.29 \leq \text{COP} < 4.86$ and standby power ≤ 18
4	Very Good	$\text{COP} \geq 4.86$ and standby power ≤ 18
5	Excellent	$\text{COP} \geq 5.50$ and standby power ≤ 4

(c) for split type (non-inverter) air-conditioners with more than one indoor unit —

<i>Ticks</i>	<i>Energy efficiency rating</i>	<i>Coefficient of Performance (COP) and standby power range</i>
2	Fair	$\text{COP} \geq 4.04$
3	Good	$4.29 \leq \text{COP} < 4.86$ and standby power $\leq 9 \times \text{N}$
4	Very Good	$\text{COP} \geq 4.86$ and standby power $\leq 9 \times \text{N}$
5	Excellent	$\text{COP} \geq 5.50$ and standby power $\leq 7 \times \text{N}$

(d) for split type (inverter) air-conditioners with one indoor unit —

<i>Ticks</i>	<i>Energy efficiency rating</i>	<i>Coefficient of Performance (COP) and standby power range</i>
2	Fair	Weighted COP ≥ 4.04 and COP ≥ 3.34
3	Good	Weighted COP ≥ 4.29 , COP ≥ 3.78 and standby power ≤ 18
4	Very Good	Weighted COP ≥ 4.86 , COP ≥ 4.29 and standby power ≤ 18
5	Excellent	Weighted COP ≥ 5.50 , COP ≥ 4.86 and standby power ≤ 4