

No. S 37

**ENERGY EFFICIENCY (STANDARDS AND LABELLING) ACT
(Chapter 233)**

**ENERGY EFFICIENCY (MINIMUM ENERGY EFFICIENCY STANDARDS
AND ENERGY LABELLING) REGULATIONS, 2023**

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**ENERGY EFFICIENCY (STANDARDS AND LABELLING) ACT
(Chapter 233)**

**ENERGY EFFICIENCY (MINIMUM ENERGY EFFICIENCY STANDARDS
AND ENERGY LABELLING) REGULATIONS, 2023**

In exercise of the powers conferred by sections 15, 18 and 35 of the Energy Efficiency (Standards and Labelling) Act, the Minister in the Office of the Prime Minister, with the consent of His Majesty the Sultan and Yang Di-Pertuan, hereby makes the following Regulations —

**PART 1
PRELIMINARY**

Citation and commencement

1. These Regulations may be cited as the Energy Efficiency (Minimum Energy Efficiency Standards and Energy Labelling) Regulations, 2023 and shall commence on the same date as the Energy Efficiency (Standards and Labelling) Act (Chapter 233).

Interpretation

2. In these Regulations, unless the context otherwise requires —

"air-conditioner" means a single-phase non-ducted room air-conditioner as specified in the Schedule to the Energy Efficiency (Standards and Labelling) (Registrable Goods) Order, 2023;

"technical file", in relation to any registered goods, means the file on the registered goods kept and maintained under regulation 10(1);

"test report", in relation to any registrable goods or registered goods, means —

(a) the report of the test carried out for the registrable goods or registered goods, as the case may be, in accordance with the prevailing test standard or method specified in Schedule 3; and

(b) where there is more than one such test report in respect of the registrable goods or registered goods, as the case may be, the test report that is the most recent.

PART 2
REQUIREMENTS FOR REGISTRABLE GOODS

Applicable requirements for registrable goods

3. For the purposes of section 6, the requirements that apply to registrable goods shall —

- (a)* be registered under regulation 4;
- (b)* comply with the minimum energy efficiency standards under regulation 5; and
- (c)* be labelled with an energy label in accordance with regulation 6.

Registration requirements

4. (1) An application to register any registrable goods, or to renew the registration of any registered goods, shall be —

(a) made in such form and manner as the Authority may determine; and

(b) accompanied by —

- (i)* a test report in respect of the registrable goods issued by a specified laboratory, showing the energy efficiency of such goods and such other information as the Authority may require;
- (ii)* such other documents and information as the Authority may require.

(2) On the registration of any registrable goods or the renewal of the registration of any registered goods, the Authority shall issue a certificate of registration to the registered supplier of those goods in such form and manner as the Authority may determine.

Minimum energy efficiency standards

5. For the purposes of section 15(1), the minimum energy efficiency standards relating to any registered goods are specified in Schedule 4.

Energy label requirements

6. (1) Every energy label shall —

(a) be of the dimensions as shown in Schedule 1 or be proportionately larger;

(b) be of the shape, colour and contain text that is of the typeface Arial as shown in Schedule 1, legible and in the English language only;

(c) contain information that is consistent with or drawn from the relevant test report;

(d) be printed in an indelible manner and with a minimum resolution of 300 pixels per inch; and

(e) be made of such material as the Authority may approve.

(2) The number of stars and energy efficiency rating to be shown on the energy label are specified in paragraph 1 of Schedule 2.

(3) Every energy label shall be affixed in accordance with regulation 7.

Display and affixing of energy label

7. (1) Every registered supplier of any registrable goods shall affix an energy label in the manner specified in sub-regulation (2) in a manner or permitted or directed by the Authority under sub-regulation (3) —

(a) after the certificate of registration has been issued by the Authority in respect of such goods; and

(b) before supplying such goods in Brunei Darussalam.

(2) Every energy label shall be affixed securely in a prominent, conspicuous and unobstructed position on the registered goods.

(3) Where the Authority is of the opinion that —

(a) any registered goods are of such a nature as to prevent such goods from being affixed with the energy label in the manner specified in sub-regulation (2); or

(b) any registered goods are to be supplied in circumstances which do not require the energy label to be displayed to an intending purchaser or user,

the Authority may, subject to such conditions as it may impose, permit the energy label to be affixed —

- (i) to anything in or on the registered goods or with which the registered goods are supplied; or
- (ii) in such other manner as the Authority may direct so as to be easily read by an intending purchaser or user.

(4) Any person who contravenes this regulation is guilty of an offence and liable on conviction to a fine not exceeding \$2,000.

PART 3 REGISTERED SUPPLIERS

Application of registration

8. (1) An application to be registered as a registered supplier shall be —

(a) made in such form and manner as the Authority may determine;
and

(b) accompanied by —

- (i) a test report issued in respect of the registrable goods or the registered goods, as the case may be, showing the energy efficiency of such goods and such other information as the Authority may require; and
- (ii) such other documents and information as the Authority may require.

(2) On the registration of any person as a registered supplier, the Authority shall issue an identification number to the registered supplier in such form and manner as the Authority may determine.

Modification of registered goods

9. (1) Where any registered goods are modified in any way by the manufacturer of those registered goods, the registered supplier shall —

(a) notify the Authority in writing of the modification to the registered goods;

(b) where the modification alters the energy efficiency of the registered goods, submit to the Authority a test report showing the energy

efficiency of such goods, as modified, and such other information as the Authority may require; and

(c) update the technical file on the registered goods with details of the modification, including the test report referred to in paragraph (b),

before the modified registered goods are supplied in Brunei Darussalam.

(2) Any person who contravenes sub-regulation (1) is guilty of an offence and liable on conviction to a fine not exceeding \$2,000.

Maintenance of records

10. (1) For the purposes of section 10, a registered supplier shall keep and maintain a technical file on each of the registered goods for the period of the registration of the registered goods.

(2) The technical file shall include —

(a) the certificate of registration issued by the Authority under regulation 4(2) in respect of the registered goods;

(b) the test report referred to in regulation 4(1)(b)(i);

(c) detailed records of any modification to the registered goods, including the test report referred to in regulation 9(1)(b), where applicable; and

(d) such other documents and information as the Authority may require.

SCHEDULE 1
(regulation 6(1))

ENERGY LABEL

The dimensions, shape, colour and text of the energy label required by these Regulations shall be as follows —

AIR-CONDITIONERS

<p>Stars</p> <p>Annual Energy Consumption in kWh</p> <p>Cooling capacity expressed in kilowatts (kW) and HP</p> <p>Type of Air-conditioner</p>	<div style="border: 1px solid black; padding: 10px; width: 250px; margin: 0 auto;"> <p>LABEL TENAGA ENERGY LABEL</p> <p>★</p> <p>Semakin banyak bintang semakin cekap The more stars the more energy efficient</p> <div style="background-color: black; color: white; padding: 2px; text-align: center; font-weight: bold;"> ANNUAL ENERGY CONSUMPTION 3032 kWh </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border-right: 1px solid black; padding-right: 5px;"> Capacity: 24 kW / 10 HP </div> <div> COP: 2.92 </div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border-right: 1px solid black; padding-right: 5px;"> Estimated annual operating cost B\$243 </div> <div> Brand: ABC Model: 123 </div> </div> <p style="font-size: small; text-align: center;"> Anggaran kos operasi berdasarkan penggunaan alat pendingin hawa yang dikira beroperasi selama 10 jam sehari dengan pertukaran udara sebanyak 8 sen bagi setiap kWh. *Estimate operating cost based on assumption that the air conditioner runs for 10 hours per day at a rate of 8 sen per kWh. </p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>جاين تناسك JAIN TANSUK MINISTRY OF ENERGY, WATER AND POWER</p> </div> <div style="text-align: right;"> S/N: A/XX-XXXXXX </div> </div> </div>	<p>Height = 13cm</p> <p>Estimated annual operating cost</p> <p>The Coefficient of Performance in Watts/Watts (W/W)</p> <p>Brand</p> <p>Model</p> <p>Registration number as specified in the certificate of registration</p>
	<p>Width = 9cm</p>	

SCHEDULE 2
(regulation 6(2))

ENERGY EFFICIENCY RATINGS

1. The number of stars and energy efficiency rating to be shown on the energy label shall be determined as follows –

Air-Conditioner Type	Cooling Capacity (kW)	COP Value (W/W)				
		1 star	2 stars	3 stars	4 stars	5 stars
Window; Casement; Split- Non-Inverter	≤ 7.1 kW	2.90 ≤ COP ≤ 3.19	3.20 ≤ COP ≤ 3.52	3.53 ≤ COP ≤ 3.88	3.89 ≤ COP ≤ 4.28	4.29 ≤ COP ≤ 4.72
Split - Inverter	≤ 7.1 kW	2.90 ≤ COP _{weight} ≤ 3.19	3.20 ≤ COP _{weight} ≤ 3.52	3.53 ≤ COP _{weight} ≤ 3.88	3.89 ≤ COP _{weight} ≤ 4.28	4.29 ≤ COP _{weight} ≤ 4.72

(a) For non-inverter ACs, the performance is based on full-load COP values (COP_{100%});

(b) For inverter ACs, the performance is based on the weighted COP values, calculated via the following formula: COP_{weighted} = (40% of COP_{100%}) + (60% of COP_{50%}).

2. In this Schedule, unless the context otherwise requires –

“Coefficient of Performance” or “COP” means the ratio of the total cooling capacity expressed in Watts to the total effective input power expressed in Watts, as specified in the test report;

“Weighted COP” means the sum of 0.4 × COP at full-load cooling capacity and 0.6 × COP at part-load cooling capacity.

SCHEDULE 3

(regulation 2)

TEST STANDARD OR METHOD

1. The test report shall contain the results of tests carried out for the registered goods in accordance with the applicable test standard or method as follows –

Registered Goods	Type	Applicable Test Standard or Method
Air -conditioner	Casement/Window type	ISO 5151
	Split type (non-inverter/inverter) with one indoor unit	ISO 15042
	Split type (non-inverter/inverter) with more than one indoor unit	The cooling tests shall be conducted at 2 points, namely the full-load cooling capacity and the part-load cooling capacity

2. In this Schedule, unless the context otherwise requires, "ISO" means the International Organisation for Standardisation.

SCHEDULE 4
(regulation 5)

MINIMUM ENERGY EFFICIENCY STANDARDS

Registered Goods	Minimum Energy Efficiency Standards
1. Casement or window type air-conditioner	COP \geq 2.90
2. Split type (non-inverter) air-conditioner	COP \geq 2.90
3. Split type (inverter) air-conditioner	COP \geq 2.90.

Made this 29th. day of Zulhijjah, 1444 Hijriah corresponding to the 18th. day of July, 2023.

**PEHIN DATU LAILARAJA MAJOR GENERAL (R) DATO PADUKA SERI
HAJI AWANG HALBI BIN HAJI MOHD YUSSOF
Minister in the Office of the Prime Minister and Minister of Defence II.**