

Our Ref : SQASI/EEST1/03/ 2024LA0308
Date : 10 May 2024

CASPER ELECTRIC MALAYSIA SDN. BHD.
A-8-3A, EkoCheras Office Tower,
No. 693, Jalan Cheras,
56000 Kuala Lumpur.

(Attn. : Ms. Nurul Asyura)

Dear Sir / Madam,

Assessment on 'Star Rating' for Non-Ducted Single Split Air-conditioner

The above subject refers.

2. The following Test Report has been assessed for MEPS Star Rating according to ST's Guide on Minimum Energy Performance Standard Requirements for Air Conditioner with Cooling Capacity ≤ 7.1 kW (March 2018).

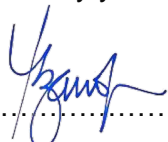
Trademark		: Casper
Model	Indoor	: HC-09IA35-IM
	Outdoor	: HC-09IA35-OM
Report No.		: GZEE240400124831
Ref. Standard		: MS ISO 5151 : 2012 & ISO 16358-1 : 2013
Issued by		: SGS-CSTC Standards Technical Services Co., Ltd.
		Shunde Branch
Issued date		: 9 April 2024

3. Based on the assessment, the applied product is deem to have **4 Star Rating** and **complied** with the above regulation.

Please refer to attachment for details of assessment and Star Rating calculation according to the Malaysian regulation.

Thank you.

Truthfully yours,



M.ZAMRI BIN MUSTAFFA
Head
Electrical and Electronic 1 Section,
Testing Services Department,
SIRIM QAS International Sdn. Bhd.



Our Ref : SQASI/EEST1/03/2024LA0308

Attachment

SUMMARY OF ASSESSMENT

1. This assessment results shall be read in conjunction with SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch., CB Test Report No. as below:
 - i. GZES200702182501 dated 8 September 2020
 - ii. GZES200702182501A1 dated 2 September 2021
 - iii. GZES200702182501A2 dated 18 April 2022
 - iv. GZES200702182501A3 dated 1 June 2022
 - v. GZES221001887601 dated 10 October 2022
 - vi. GZES221001887601A1 dated 18 October 2022
2. This evaluation results is based on test data reported in the SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch Performance Test Report No. as below:
 - i. GZEE221000353931 dated 12 October 2022
 - ii. GZEE240400124831 dated 9 April 2024
3. Based on the assessed test report, summary of results is tabulated as below :

No.	Item	Full load	Half load
		Result	
1.	Rated cooling capacity (W)	2700	
2.	Rated power input (W)	830	
3.	Cooling capacity (W)	2686.0	1371.0
4.	Power input (W)	828.7	328.1
5.	Cooling Capacity ratio (%)	99.5	
6.	Power Input ratio (%)	99.8	
7.	Cooling Seasonal Total Load, CSTL (kWh)	1969	
8.	Cooling Seasonal Energy Consumption, CSEC (kWh)	415	
9.	Cooling Seasonal Performance Factor, CSPF (Wh/Wh)	4.75	
10.	Star rating	4 Star	
11.	Annual Energy Consumption (kWh)	1000	
12.	Percentage energy saving compared to the lowest 2 stars rating appliances	35 %	
13.	Refrigerant / charge	R32 / 0.37 kg	

Note 1: Data tabulated in above table can be used in the Suruhanjaya Tenaga star rating of the product.

Note 2: SIRIM is not responsible for information provided by the customer which can affect the validity of results.

Our Ref : SQASI/EEST1/03/2024LA0308

4. Based on CSPF of **4.75 Wh/Wh**, the star rating for this air-conditioner is categorized as **4 Star**.

Star Rating	Tested CSPF (Wh/Wh)	
	Rated cooling capacity < 4.5 kW	4.5 kW < Rated cooling capacity ≤ 7.1 kW
5	≥ 5.30	≥ 5.10
4	4.60 ≤ CSPF < 5.30	4.00 ≤ CSPF < 5.10
3	3.30 ≤ CSPF < 4.60	3.10 ≤ CSPF < 4.00
2	3.10 ≤ CSPF < 3.30	2.90 ≤ CSPF < 3.10
1	< 3.10	< 2.90

Note: Minimum Energy Performance Standards (MEPS) is 2 Stars.

5. This assessment and technical evaluation was done by Mohd Fairuz Zainordin – Testing Executive.

