

Report No.: GZEE230300102331

Issue Date: 2023-03-24

Applicant: Electro Depot France

Manufacturer:

Manufacturing location:

Laboratory: SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang,

Shunde District, Foshan, Guangdong, China

Purpose: To compare of the energy saving based on the issued test reports, details refer to

following pages

Item description: Refrigerator- Freezer

Model/Type reference: A: HD-500RWEN(CE-BCD385WX(Z)-JT), HD-500RWEN(CE-BCD385WX-JT);

B: HD-500RWEN(CE-BCD385WX(Z)-CT), HD-500RWEN(CE-BCD385WX-CT)

Ratings: See following pages

Test result: See following pages

Remark: This report only for internal used by applicant

Sky Lin Reviewer Safety Laboratory

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## **General product information:**

Refrigerator- Freezer for household used.

Two family models are comparing, refer to following table:

Items	Family model A	Family model B	
Model no.	HD-500RWEN(CE-BCD385WX(Z)-JT), HD-500RWEN(CE-BCD385WX-JT)	HD-500RWEN(CE-BCD385WX(Z)-CT), HD-500RWEN(CE-BCD385WX-CT)	
Report ref. no.	4840122122900	4840122151100	
Test lab	TUV SUD	TUV SUD	
Test standards	(EU)2019/2019; (EU)2019/2016; (EU)2021/341; (EU)2021/340; EN 62552-3:2020		
Rated volume	378L (fresh:256L, freezer:122L)	378L (fresh:216L, chill: 40L, freezer:122L)	
Rated AEC kWh/a	265	177	
Measured AEC kWh/a	231.41	165.71	
Rated EEI %	99.6	63.9	
Measured EEI %	87.0	59.8	
Energy Efficiency Class	Е	С	



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## **Comparing method**

In order to obtain the value of "energy savings compared to the maximum EEI product (in percentage)", the following formula shall be applied:

Percentage of Energy Saving Compared to maximum EEI =100%-( EEI / EEImax. x 100)

EEI, expressed in % and rounded to the first decimal place, calculated as:

EEI= AE/SAE

The products belong to "all other refrigerating appliances, with the exception of low noise combi appliances with a frozen compartment" from the 1 March 2021 and before the 1 March 2024, the maximum EEI as below: EEI<sub>max.</sub> = 125

Family model A	Result	
Percentage of Energy Saving Compared to maximum EEI, %	Rated value	Measured value
	20.32	30.40
Family model B		
Percentage of Energy Saving Compared to maximum EEI, %	Rated value	Measured value
	48.88	52.6

In order to obtain the value of "energy savings compared Family B to Family A (in percentage), the following formula shall be applied:

100%-( EEIfamiy B / EEIfamily A × 100)

Percentage of Energy Savings Compared Family B to Family A, %	Rated value	Measured value
	35.84	31.26

## Conclusion

The Energy Savings of Family model B is at least 30% comparing to Family model A according to the energy efficiency index and based on the available of submitted test reports by applicant.

-----End of Report-----