

Summary Test Report

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



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	E	C

Comparing method		
<p>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 = $100\% - (EEI / EEI_{max} \times 100)$ EEI, expressed in % and rounded to the first decimal place, calculated as: $EEI = AE/SAE$</p> <p>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: $EEI_{max} = 125$</p>		
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
<p>In order to obtain the value of “energy savings compared Family B to Family A (in percentage), the following formula shall be applied: $100\% - (EEI_{family\ B} / EEI_{family\ A} \times 100)$</p>		
Percentage of Energy Savings Compared Family B to Family A, %	Rated value	Measured value
	35.84	31.26
Conclusion		
<p>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.</p>		

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