

PRODUCT BULLETIN #2

Date: 26 June 2018

Haier Biomedical Awarded Energy Star Rating for Energy Efficient ULT Freezers



ENERGY STAR® is the US government-backed symbol for energy efficiency, providing simple, credible, and unbiased information that consumers and businesses rely on to make well-informed decisions¹, save money and protect the environment.

Three models within Haier Biomedical's energy efficient ULT portfolio, DW-86L578J, DW-86L728J and DW-86828J, have been independently tested and certified and the data is now available through the programme's online tool, [ENERGY STAR Portfolio Manager®](#). The portal can be used to view all the different models of Energy Star rated freezers and website users can compare models.



Certificate of Conformance

Three models within the J series range of ULT freezers were supplied to UL, a global leader in energy efficiency product testing and certification (<https://www.ul.com/>), to undergo independent testing against the US ENERGY STAR®: programme requirements for Laboratory Grade Refrigerators and Freezers, Version 1.1.

Certificate of Conformance	
Energy Efficiency Certification	
UL conducted an independent evaluation on behalf of:	
HAIER MEDICAL & LABORATORY PRODUCTS CO LTD	
HAIER INDUSTRIAL PARK, ECONOMIC TECHNOLOGY DEVELOPMENT ZONE QINGDAO, SHANDONG, 266510 CHINA	
for the following products:	This product meets all of the necessary qualifications pursuant to:
Ultra-Low Temperature Freezer	ENERGY STAR®: Program Requirements For Laboratory Grade Refrigerators and Freezers, Version 1.1
Brand: Haier	
Model: DW-86L578J(220V) DW-86L578J DW-86L728J(220V) DW-86L828J(220V)	
	2018-06-15
	Certification Date
	N/A
	Certification Revision Date
	<i>David P. Smith</i>
	Issued by
	4788340143 (PN6782)
	UL Product Number

©2018 UL, Inc. This is to certify that representative samples of the Certified Product(s) listed above have been investigated by UL to the Standard(s) indicated on this certificate in accordance with the UL Global Services Agreement and the UL Terms & Conditions ("Agreement"). The Certificate Holder is entitled to use the UL Energy Verified Mark for the Certified Product(s) listed on this certificate and manufactured at the production site(s) covered by the UL Test Report, in accordance with the terms of the Agreement. This Certificate shall remain valid unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.

Energy Data Comparisons:

The Energy Manager Portfolio shows a comparison of the data between Haier, Panasonic, Eppendorf and others. The example below is a screenshot (taken on 26/06/18) comparing Thermo, Eppendorf and Haier models.

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	Thermo Fisher - TSX50086A - TSX50086A TSX50086A	Eppendorf - CryoCube - CryoCube F740HI	Haier - DW- 86L728J(220V) - DW- 86L728J(220V) DW-86L728J(220V)
ENERGY STAR Partner:	Thermo Fisher Scientific LLC	Eppendorf North America	HAIER MEDICAL & LABORATORY PRODUCTS CO LTD
Product Type:	Ultra-Low Temperature Freezer	Ultra-Low Temperature Freezer	Ultra-Low Temperature Freezer
Total Volume (cubic feet):	23.84	26.1	25.32
Ultra-Low Temperature Freezer Energy Consumption (kWh/day/cu-ft):	0.45	0.47	0.42
Peak Temperature Variance (°C):	22.93	20.41	21.18
Product Form Factor:	Upright	Upright	Upright
Total Number of Doors:	1	1	1
Number of glass doors:	0	0	0
Number of solid doors:	1	1	1
Door Opening Orientation:	Swinging,Right	Swinging,Right	Swinging,Right
Number of Drawers or Shelves:	3	2	4
Number of Internal Ports and/or Access Holes:	2	2	2

To view all ULT freezers rated within the Energy Star Programme paste the following link into your browser.

https://www.energystar.gov/productfinder/product/certified-lab-grade-refrigeration/results?scrollTo=432&search_text=&lab_grade_refrigerators_and_freezers_product_type_filter=Ultra-Low+Temperature+Freezer&brand_name_isopen=&markets_filter=United+States&zip_code_filter=&product_types=Select+a+Product+Category&sort_by=calculated_daily_energy_consumption_kwh_day_cu_ft&sort_direction=asc¤tZipCode=&page_number=0&lastpage=0

Energy Data

Independently Tested and ENERGY STAR® Certified

		
Model Number		
DW-86L578J	DW-86L728J	DW-86L828J
Total Volume (cubic feet/litres)		
20.55/578	25.32/728	28.75/828
Energy consumption(kwh/day/cu-ft)		
0.37	0.42	0.38

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*<https://www.energystar.gov/>