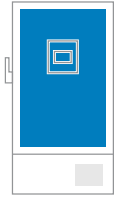


PERFORMANCE NUMBERS by the



25.7 cu.ft.
(729 L)

24°C AMBIENT			Model MDF-DU702VH-PA 220V	Model MDF-DU702VHA-PA 115V
	Daily Energy Consumption ¹ (Six Door Openings) kWh/Day	-70°C Setpoint	6.7	6.3
		-80°C Setpoint	9.0	8.8
	Steady State Energy Consumption kWh/Day	-70°C Setpoint	6.2	5.9
		-80°C Setpoint	8.4	8.2
ENERGY STAR® MDEC ² kWh/Day/cu.ft.			0.31	0.29

	Interior Uniformity, ³ Average Steady State	-70°C Setpoint	1.95°C	1.86°C
		-80°C Setpoint	2.67°C	2.01°C

	Temperature Recovery ⁴	-70°C Setpoint	8 min	8 min
		-80°C Setpoint	8 min	8 min



THE VIP® ECO
ULTRA-LOW
TEMPERATURE
FREEZER


Life Tested.
Field-Proven.
Without Compromise.




Independently Tested and Documented

The ENERGY STAR Certified VIP ECO Models MDF-DU702VH-PA and MDF-DU702VHA-PA deliver the lowest daily energy usage of any ultra-low temperature freezer in their class. They are designed, life tested and field-proven for reliable storage of biologicals without compromise. Learn More. www.phchd.com/us/biomedical/vip-eco.

Compare for Yourself:

PHCbi MAKE / MODEL	AMBIENT TEMP.	SETPOINT -70°C	SETPOINT -80°C	ADDITIONAL NOTES
MDF-DU702VH-PA, 220V	Energy Consumption, kWh/Day ¹ (MDEC ² : 0.31 kWh/Day/cu.ft.)			 <p>Warranty: PHC Corporation of North America offers 5-year, parts and labor warranty protection on VIP Series Ultra-Low Temperature Freezers (North America only).</p>
	24°C	6.7 (Daily)	9.0 (Daily)	
		6.2 (Steady State)	8.4 (Steady State)	
	Interior Uniformity ³ , Average Steady State			
		1.95 (°C)	2.67 (°C)	
	Temperature Recovery ⁴			
	8 (min.)	8 (min.)		

PHCbi MAKE / MODEL	AMBIENT TEMP.	SETPOINT -70°C	SETPOINT -80°C	ADDITIONAL NOTES
MDF-DU702VHA-PA, 115V	Energy Consumption, kWh/Day ¹ (MDEC ² : 0.29 kWh/Day/cu.ft.)			 <p>Warranty: PHC Corporation of North America offers 5-year, parts and labor warranty protection on VIP Series Ultra-Low Temperature Freezers (North America only).</p>
	24°C	6.3 (Daily)	8.8 (Daily)	
		5.9 (Steady State)	8.2 (Steady State)	
	Interior Uniformity ³ , Average Steady State			
		1.86 (°C)	2.01 (°C)	
	Temperature Recovery ⁴			
	8 (min.)	8 (min.)		

MAKE / MODEL	AMBIENT TEMP.	SETPOINT -70°C	SETPOINT -80°C	ADDITIONAL NOTES
	Energy Consumption, kWh/Day ¹ (MDEC ² : ____ kWh/Day/cu.ft.)			
		(Daily)	(Daily)	
		(Steady State)	(Steady State)	
	Interior Uniformity ³ , Average Steady State			
		(°C)	(°C)	
	Temperature Recovery ⁴			
	(min.)	(min.)		

About PHCbi's Data

- Data reflects independent testing to ENERGY STAR specifications based on the variable differential cascade refrigeration system with variable speed compressors, proprietary control algorithms, and natural refrigerants.
- VIP ECO models were tested with standard features only, including inner doors (which increase the door opening duration during the open door testing), air-cooled condensers. No accessories, options or modifications were added to influence test outcomes.
- Detailed test results, including additional tests at ambient temperatures of 20°C and 30°C with and without simulated loads are available.



ENERGY STAR Certification Numbers 4787624502 and 4788723268.
Learn more about our ENERGY STAR Certified products at www.phchd.com/us/biomedical/energy-star.

¹ Energy consumption per day, EPA Test, Version 1.1, Section 7, Reporting, G2c.

² Maximum daily energy consumption per cu.ft.

³ Overall average for all recorded interior temperature measurements at setpoints of -70°C or -80°C.

⁴ Based on inner door opening time of 15 seconds.



PHC Corporation of North America
1300 Michael Drive, Suite A, Wood Dale, IL 60191
Toll Free USA (800) 858-8442, Fax (630) 238-0074
www.phchd.com/us/biomedical

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Specifications are subject to change without notice. For latest specification information contact PHC Corporation of North America at info@us.phchd.com. Performance data herein is based on independent testing at time of publication.