

Product Data Sheet

Upright 49 cu. ft. Solid Door Refrigerator, High Performance -Certified to NSF/ANSI 456 Standard for Vaccine Storage

PH-ABT-NSF-S49S

Product Description

These cutting-edge pharmacy refrigerators are certified in accordance with the NSF/ANSI 456 Standard for Vaccine Storage. With this certification, units protect pharmaceuticals at optimal temperatures, preventing waste and allowing for peak delivery. Our Standard line provides multi-functional features in a cost-effective design.

These solid door refrigerators utilize microprocessor controllers and feature temperature alarms, remote alarm contacts, and probe access ports with included probes. Units run on natural, hydrocarbon refrigerant for environmental health and energy efficiency.

General Description and Application					
Description	Double Solid Door Pharmacy/Vaccine Upright Refrigerator				
Operational environment	Indoor use only, +18°C to +26°C (+65°F to +78°F), <70% RH				
Storage capacity	49 cu. ft. gross volume				
Door	Two swing solid doors, self-closing, non-reversible, magnetic sealed gaskets, keyed locks				
Shelves	Ten shelves (eight adjustable/two fixed) with guard rail on back				
Mounting	3 1/2" Swivel Casters (two locking)				
Interior lighting	Shielded, switched LED lighting, full coverage, balanced spectrum				
Airflow management	Forced Air technology, patent pending				
External probe access	Rear wall port (3/4") dia.				
Insulation	Cabinet is foamed-in-place with EPA compliant high density urethane foam				
Exterior materials	White powder coated steel				
Access control	Pyxis®, Omnicell® and AcuDose RX® compatible				
General warranty	One (1) year parts and labor warranty, excluding display probe calibration				
Compressor warranty	Five (5) years compressor warranty				
Product Weight	402				
Shipping Weight	452				
Rated Amperage	4.5				
Power Plug/Power Cord	NEMA 5-15 plug, 8 to 10 ft typical, conforms to UL471 requirements, Vaccine Storage power				
	cord warning label				
Facility Electrical Requirement	110-120V AC: 15 A (minimum)				
Agency Listing and Certification	Certified with the temperature performance requirements as defined in the NSF/ANSI 456				
	Standard for Vaccine Storage for all testing scenarios. UL, C-UL, ETL, C-ETL listed and certified				
	to UL471 standard, hydrocarbon refrigerant safety. Energy Star Certified				
	Temperature monitor device (TMD) complies with the current CDC guidelines, with 3 years				
	certification of calibration, "buffered" probe in the product simulated solution, min/max				
Included Accessories	memory, field installable, and visual & audible temp alarm				

Pharmacy refrigerator/freezer toolkit and temperature logs

Refrigeration System

Refrigerant Condenser Evaporator Defrost

EPA SNAP compliant, R290, propane Fin and tube design, high efficiency fan Fin and tube design, high efficiency fan Cycle optimized, zero energy

Hermetic, high performance

Performance

Uniformity ¹ (Cabinet air)	+/- 1.0°C
Stability ² (Cabinet air)	+/- 0.9°C
Maximum temperature variation (Cabinet air)	+/-1.2°C
Temperature rise after 8 sec door openings	Temperature did not exceed 6.0°C at any probe for all required NSF/ANSI 456 testing protocols ^a
Recovery after 3 min door opening	All probes recover to under 8°C within 6.5 min.
Energy consumption	1.45 KWh/day ⁴
Average heat rejection	3.15 KWh/day (448 BTU/h) ⁴
Noise pressure level (dBA)	48 or less installed
Pull down time to 4°C nominal operating temp	45 min

Controller, Configuration, Alarms and Monitoring					
Controller technology	Parametric, microprocessor, LED display with 0.1°C resolution				
Temperature setpoint range	1°C to 10°C (Controller settings must remain unaltered to ensure thermal performance compliant with NSF/ANSI 456 Standard for Vaccine Storage requirements)				
Display probe	Calibrated, stainless steel				
External alarm connection	State switching remote alarm contacts				
	Visual and audible indicators				
Alarms	High / Low temperature, compliant with alarm requirements defined in the NSF/ANSI 456 Standard for Vaccine Storage				
Simulator ballast	Glass bead thermal media				

Performance data acquired at 22°C ambient, using NSF/ANSI 456 compliant validation ballast probes, empty chamber, during stabilized steady state operation and a DAQ sampling rate of one measurement every 10 seconds

1 - Uniformity is defined as the maximum variance in temperature across all probes at any point in time over the testing period

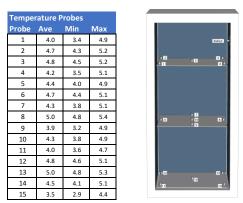
2 - Stability is defined as the maximum variance in temperature experienced by any single probe over the testing period

3 - Temperature performance for all loaded and unloaded door opening protocols, all alarm, controller and probe requirements as defined in the NSF/ANSI 456 standard for vaccine storage

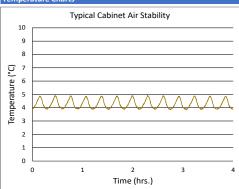
4 - Data per Energy Star test results or equivalent testing and calculation. Heat rejection based on daily averages, not continuous operation. Performance exceeds Energy Star requirements.

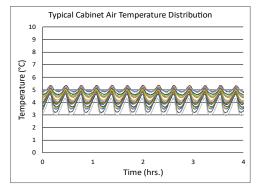


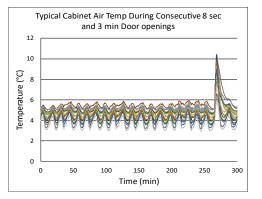
*-one or more of these certifications may apply to this unit.











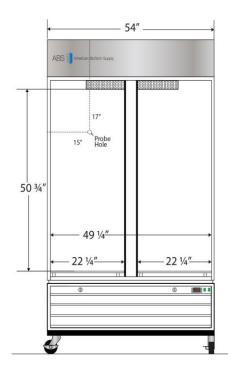


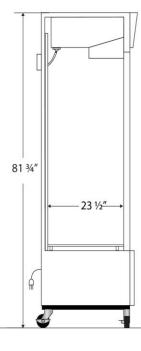
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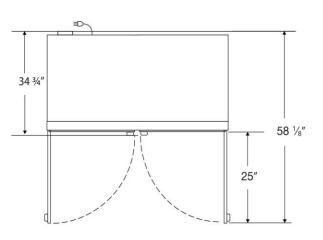
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Dimensions	Width	Depth	Height	Door Swing	Total open Depth
Exterior	54"	34 3/4"	81 3/4"	25"	58 1/8"
Interior	49 1/4"	23 1/2"	50 3/4"		







Contact Customer Service Technical Service *Rev_09302022*

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