ABS American BioTech Supply

Product Data Sheet
28 Cu. Ft. Standard Solid Door
Laboratory Refrigerator

ABT-NA-SLS-28

Product Description

This 28 Cu. Ft. laboratory refrigerator delivers precise cooling for sensitive research materials. Forced-air circulation evenly distributes cool air throughout the cabinet, helping maintain stable temperatures and protect valuable samples. The self-closing solid door minimizes temperature fluctuations while shielding light-sensitive materials from ambient light exposure. For added security, this model features multiple built-in alarms and a keyed door lock. Additionally, the natural hydrocarbon refrigerant provides environmentally sustainable, energy-efficient cooling. Together, these features make this refrigerator an ideal solution for clinical, research, and laboratory environments.

Images





Certifications

c UL us

General Description and Application

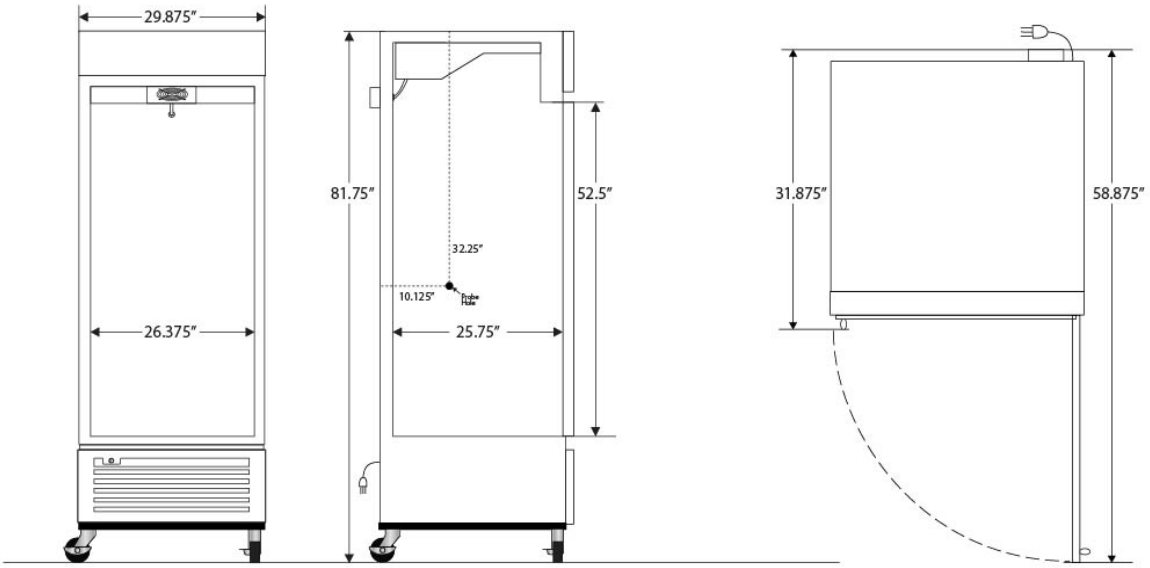
Storage Capacity (Cu. Ft.)	28
Door	One (1) self-closing swing solid door, right-hinged, non-reversible, with magnetic door gasket
Shelves	Four (4) adjustable shelves with 1/2-inch height adjustment increments
Mounting and Installation	Swivel casters with locking front casters
Interior Lighting	LED interior lights are safety shielded and switch controlled
Airflow Management	Forced-air circulation
External Probe Access	3/4" probe access port on rear wall
Insulation	Cabinet is foamed-in-place with EPA compliant high-density urethane foam
Exterior Materials	White powder-coated steel
Access Control	Keyed door lock; compatible with optional digital lock (Pyxis, Omnicell, and AcuDose RX)
General Warranty	Two (2) year parts and labor warranty
Compressor Warranty	Five (5) year compressor warranty
Product Weight (lbs)	235
Shipping Weight (lbs)	285
Rated Amperage (A)	3.2
Power Plug/Power Cord	NEMA 5-15 receptacle
Facility Electrical Requirement	110 - 120V AC, 15A breaker, NEMA 5-15 receptacle
Agency Listing and Certification	UL listed per UL 471 or UL 60335-1 and UL 60335-2-89 standards; c UL listed per CSA C22.2 No. 120 or CAN/CSA C22.2 60335-1 and CSA C22.2 60335-2-89 standards

Performance

Maximum Temperature Variation (Cabinet air)	±2.5°C
Stability (Simulator ballast)	±1.0°C
Pull-Down Time (to nominal operating temperature)	< 35 minutes (empty cabinet)
Energy Consumption	1.55 kWh/day
Average Heat Rejection	390 BTU/hr
Performance Note	Max temperature variation based on an empty chamber at steady state using 15 bare (unweighted) thermocouple probes. Product loading, door openings, and ambient conditions will affect performance. Stability of simulator ballast based on bottle probe provided with the unit located center of empty chamber at steady state, no door openings.

Refrigeration System	
Compressor	Hermetic
Refrigerant	EPA SNAP compliant, R290
Condenser	Tube and grid, high efficiency fan forced-air
Evaporator	Fin and tube, high efficiency fan forced-air
Defrost	Cycle Defrost

Controller, Configuration, Alarms and Monitoring	
Controller Technology	Microprocessor temperature controller with selectable °C/°F display; resolution: 0.1°C / 0.2°F
Battery Backup	Not Applicable
Display Probe	Product simulator bottle with glass bead media
Digital Communication	Not Applicable
Data Transfer	Not Applicable
Adjustable Temperature Range	2°C to 15°C
External Alarm Connection	Remote alarm contacts
Alarms	Audible and visual high/low temperature alarms, remote alarm contacts
Disclaimers	Refrigerator requires a minimum of 4 inches of clearance at the rear and sides for proper ventilation. Additional clearance may be required when installed adjacent to heat-rejecting equipment. Improper installation may void the warranty and result in poor temperature performance, overheating, or equipment failure.



Contact	
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