Product Data Sheet
30 cu. ft. Standard Flammable Storage Refrigerator with Natural Refrigerants

ABT-HC-FRS-30

Product Description

This 30 cu. ft. flammable storage refrigerator offers a secure solution for storing volatile materials in laboratory and industrial settings. Utilizing EPA SNAP compliant hydrocarbon refrigerants, this unit minimizes environmental impact while maximizing energy efficiency. This refrigerator provides precise temperature control through microprocessor technology. Enjoy tight temperature uniformity with an operation range of 2°C to 10°C. It features a durable white powder-coated steel exterior, with a keyed door lock for added security. Adjustable interior shelving allows for versatile organization. Keep your samples protected with audible and visual high/low-temperature alarms and a door ajar alarm with remote contacts. With its low energy consumption and enhanced safety features, the ABT-HC-FRS-30 delivers reliable operation for the safe storage of flammable substances.

Images





Certifications

General Description and Application

Storage capacity (cu. ft)	30 Cu. Ft.
Door	One solid swing, right hinged; stainless steel door handle; magnetic door gasket
Shelves	Five adjustable
Mounting and Installation	Leveling Legs
Airflow Management	Forced draft circulation
External probe access	3/4" probe access port on rear wall
Insulation	EPA compliant high density urethane foam
Exterior materials	Powder coated steel
Access control	Keyed Door Lock
General warranty	Two (2) year parts and labor warranty
Compressor warranty	Five (5) year compressor parts warranty
Product Weight (lbs)	330
Shipping Weight (lbs)	360
Rated Amperage	3.1 Amps
Power Plug/Power Cord	NEMA 5-15P plug, 6 ft long cord
Facility Electrical Requirement	110 - 120V AC, 15A breaker, NEMA 5-15 receptacle
Agency Listing and Certification	UL listed per UL 60335-1 and UL 60335-2-89 standards; c UL listed per CSA C22.2 No. 120 standard, in compliance with the requirements for Flammable Materials Storage Refrigerators as defined by NFPA 99 and 45, Energy Star Certified

Performance

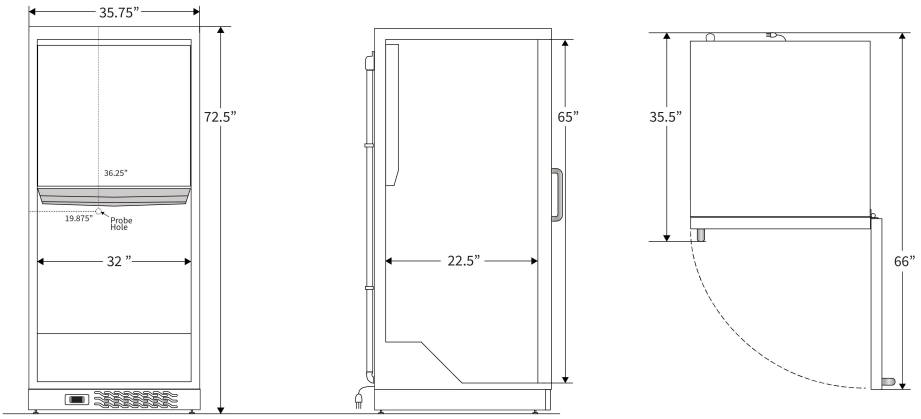
Uniformity (Cabinet air)	+/- 1.6°C
Stability (Cabinet air)	+/- 1.0°C
Maximum temperature variation (Cabinet air)	3.6 °C Total
Energy Consumption (KWh/day)	< 1.5 KWh/day
Average Heat Rejection (BTU/hr)	500 BTU/hr
Pull down time to nominal operating temp	<35 min (empty)

Refrigeration System	
Compressor	Hermetic
Refrigerant	EPA SNAP compliant R600a Isobutane
Condenser	Static - exterior walls of cabinet
Evaporator	Fin and tube design, high efficiency fan, hazardous location rated
Defrost	Off-cycle defrost, no heat added

Controller, Configuration, Alarms and Monitoring	
Controller technology	Microprocessor temperature controller
Battery Backup	Optional accessory
Temperature Setpoint Range Notes	Minimum temperature limited to avoid freezing
Adjustable Temperature Range	2°C to 10°C
External alarm connection	Remote alarm contacts
Alarms	Audible and visual high/low-temperature alarms, Door ajar alarm, Remote alarm contacts
Display Probe	Product simulator bottle with glass bead media
Disclaimers	Refrigerator requires a minimum 4" of clearance around back and sides of the unit for proper ventilation (more if next to heat rejecting equipment) - improper installation will void the warranty and will lead to temperature maintenance issues, overheating and possible failure

Dimensions

	Width (in.)	Depth (in.)	Height (in.)	Door Swing (in.)	Total open Depth (in.)
Exterior	35.75''	35.5''	72.5''	30.5''	66''
Interior	32''	22.5''	65''		



Contact		
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