Product Data Sheet
30 cu. ft. Standard Laboratory Refrigerator Solid Door with Natural Refrigerants

ABT-HC-30R

Product Description

Designed for reliable and eco-conscious laboratory storage, this 30 cu. ft. standard laboratory refrigerator offers versatile performance for lab environments. Its temperature control is powered by microprocessor technology and protected by audible and visual alarms. It maintains tight temperature uniformity with an adjustable operating range of 2°C to 10°C. Utilizing hydrocarbon refrigerants, this unit meets EPA SNAP compliance, protecting environmental safety. It features a durable white powder-coated steel exterior, with a keyed door lock for added security. This unit offers 30 cubic feet of spacious storage and five adjustable shelves for versatile organization. With a low energy consumption and environmental benefits, the ABT-HC-30R is an efficient and dependable solution for general laboratory applications.

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, Energy Star Certified

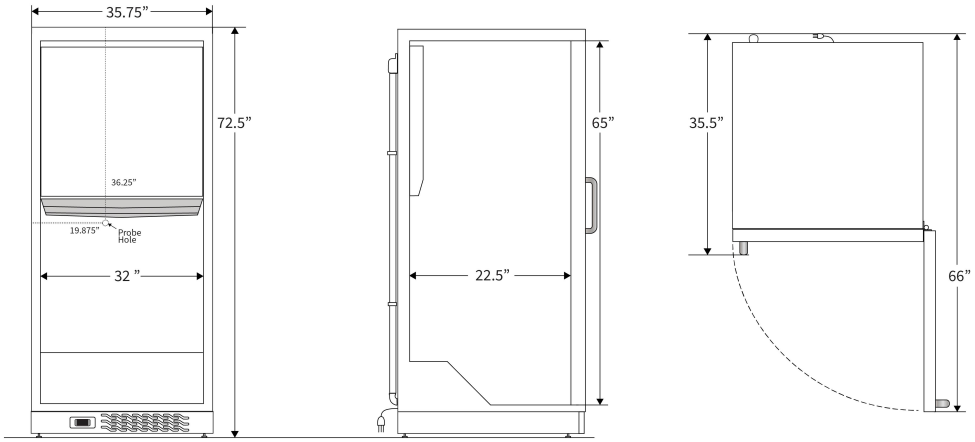
Performance

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
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''		



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