Product Data Sheet
14 CF Standard Series Manual Defrost Laboratory Freezer with Natural Refrigerants

ABT-HC-MFP-14

Images





Product Description

The Standard Series Hydrocarbon Manual Defrost Freezers take a large step forward in performance from past solid door general purpose units; offering a microprocessor temperature controller allowing for the precise temperature management necessary for critical samples and supplies.

Environmentally friendly, natural hydrocarbon (HC) refrigerants (not containing hydrofluorocarbons) vastly reduce global-warming potential (GWP) while meeting new EPA/SNAP mandates and UL, ASHRAE compliance guidelines.

Certifications

General Description and Application

Storage capacity (cu. ft)	14 cu. ft. capacity
Door	1 solid swing, right hinged
Shelves	6 Fixed
Baskets	Non-applicable
Mounting	Leveling Legs
Interior lighting	Non-applicable
Airflow management	Non-applicable
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	Keyed door lock
General warranty	Two (2) year parts and labor warranty
Compressor Warranty	Five (5) year compressor warranty
Product Weight (lbs)	170
Shipping Weight (lbs)	195
Rated Amperage	3 Amps
Power Plug/Power Cord	NEMA 5-15 Plug, conforms to UL471 requirements
Facility Electrical Requirement	115V, 60 Hz
Agency Listing and Certification	ETL, C-ETL listed

Refrigeration System

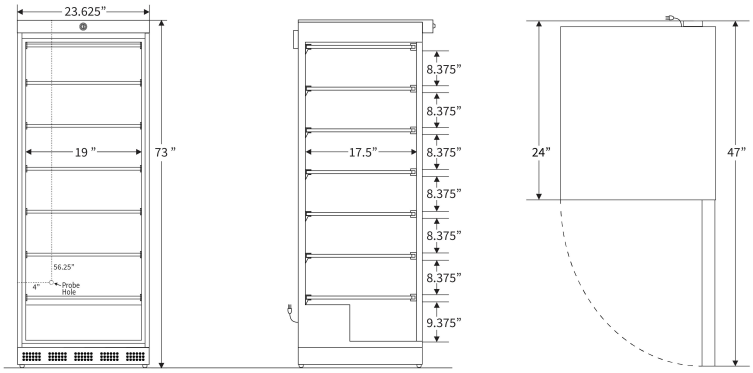
Refrigerant	Hydrocarbon, natural refrigerant (R290)
Defrost	Manual

Controller, Configuration, Alarms and Monitoring

Controller technology	Microprocessor temperature controller with digital temperature display, C/F switchable
Display technology	Standard Digital Temperature Display
Adjustable Temperature Range	-15°C to -25°C
External alarm connection	State switching remote alarm contacts
Alarms	Audible and visual high and low temperature alarms
Digital Communication	RS-485 (MODBUS)
Warranty Disclaimer	Defrosting of the unit will need to be performed periodically to prevent severe ice build-up
	Specifications are subject to change
	Indoor use only, +18°C to +26°C (+65°F to +78°F), <70% RH

Dimensions

	Width (in.)	Depth (in.)	Height (in.)	Door Swing (in.)	Total open Depth (in.)
Exterior	23.625"	24"	73"	23	47"
Interior	19"	17.5"			



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