

## 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, Energy Star Certified                                 |

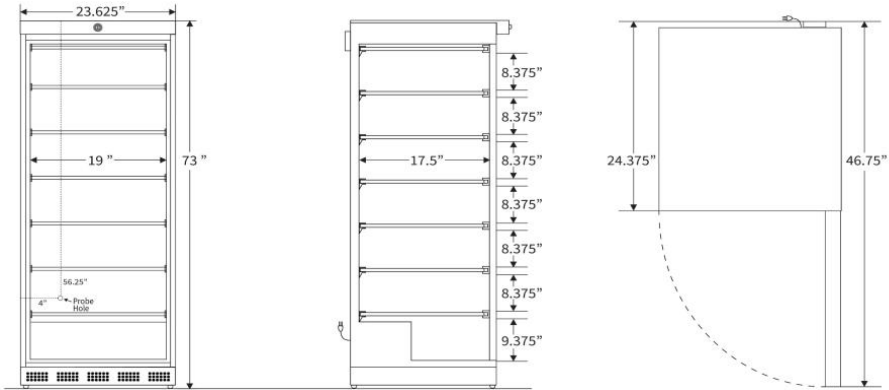
#### Refrigeration System

|             |                                         |
|-------------|-----------------------------------------|
| 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"     | 24.375"     | 73"          | 22.375"          | 46.75"                 |
| Interior   | 19"         | 17.5"       |              |                  |                        |



| Contact           |                                       |                                                                                                    |  |
|-------------------|---------------------------------------|----------------------------------------------------------------------------------------------------|--|
| Customer Service  | 800-648-4041 Option 3                 | <a href="mailto:customerservice@horizonscientific.com">customerservice@horizonscientific.com</a>   |  |
| Technical Service | 800-648-4041 Option 5, Parts Option 4 | <a href="mailto:technicalservice@horizonscientific.com">technicalservice@horizonscientific.com</a> |  |

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