

MANUAL DEFROST WITH NATURAL REFRIGERANT FREEZER

Series Overview

The manual defrost with natural refrigerants freezers a digital microprocessor temperature controller which allows for precise temperature management necessary for critical samples and supplies. Freestanding models require 4" of clearance around the back and sides of the unit for ventilation. *Periodic manual defrosting is required

MDF20U-HC

This refrigerant freezer is a single solid door chamber designed for maximum capacity while still allowing passage through most commercial doorways.

Performance

Unit comes standard with a temperature range of -15°C to -25°C . Products designed to operate in ambient room temperatures not to exceed 75°F / 50% RH.

Control System

All series models come standard with a digital microprocessor temperature controller providing a readout of actual and set-point values. This chamber comes with audible and visual alarms high and low temperature alarms. Remote alarm dry contacts and an access port lead to simplicity when connections to existing facility monitoring systems.

Warranties

These chambers come with a two year parts and labor warranty, plus an additional three year compressor parts warranty.



The Manual Defrost with Natural Refrigerant Freezers take a large step forward in performance from past general purpose units; offering a digital temperature display and alarm module coupled with a microprocessor temperature controller.



Construction

Refrigerant freezer is constructed of powder coated exterior.

- 6 fixed shelves
- 3/8" probe access port
- One solid swing door, self-closing (energy efficient, double pane vacuum insulated), right hinged
- Magnetic door gasket for positive seal with keyed door lock and a door handle
- Leveling legs
- High density urethane foam cabinet and door insulation
- HFC-free refrigerant (R290), foam insulation and packaging
- Exterior dimensions: 30.75" W x 28.5"D x 74.63"H
- Shipping weight: 254 lbs
- Voltage: 115 / 60 / 1.96 Amps, 1/2 HP
- UL/C- UL listed

Manual Defrost with Natural Refrigerants Freezers Specifications

Performance	Standard	Customized Option
Temperature Range	-15° C to 25° C	-26° C to -4° C
Ambient Temperature	Not to exceed 75° F / 50% RH	

Control System	Standard	Customized Option
Controller	Digital microprocessor temperature controller	
Control Readout	Actual and Set-Point Values	
Alarm	Audible and Visual	Text, Email, Web Server, Remote Access
Remote Monitoring	Dry Alarm Contact, RS 485 & Analog Output	Ethernet

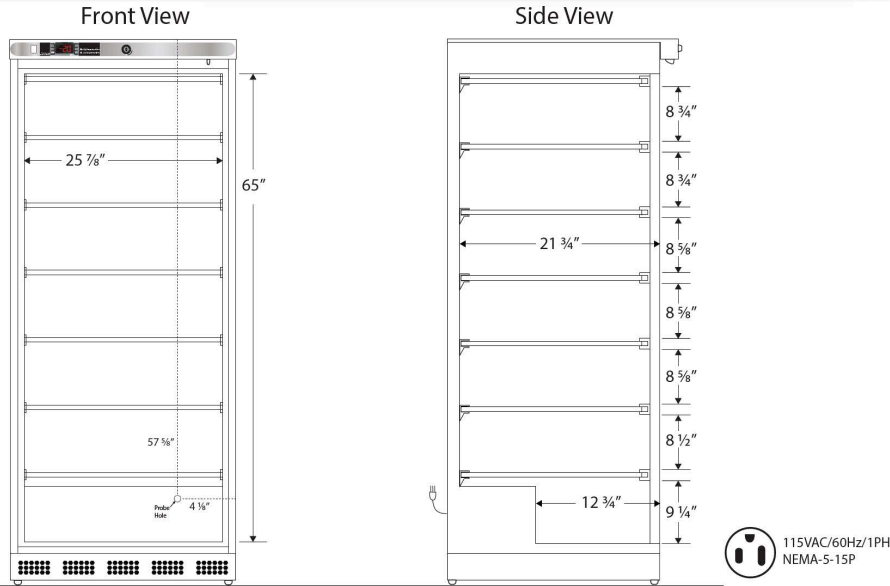
Construction	Standard	Customized Option
Exterior	Powder coated	
Interior		
Shelving	6 fixed shelves	Custom sheet metal shelf per customer specification
Legs/ Casters	Leveling legs	Chamber can be placed directly on floor without casters
Panel Insulation	Leveling legs	
Doors		
Access Port	Probe access port (3/8")	Customizable access port size and location available.

Capacity & Dimensions	US Standard	Metric
External Dimensions	30.75" W x 28.5"D x 74.63"H	78.12cm W x 72.39cm D x 189.56cm H
Crated Weight	254 lbs	115 kg

Utilities	US Standard	International
Voltage (dedicated circuit required)	115 / 60 / 1.96 Amps 1/2 HP	230 / 50 / 1

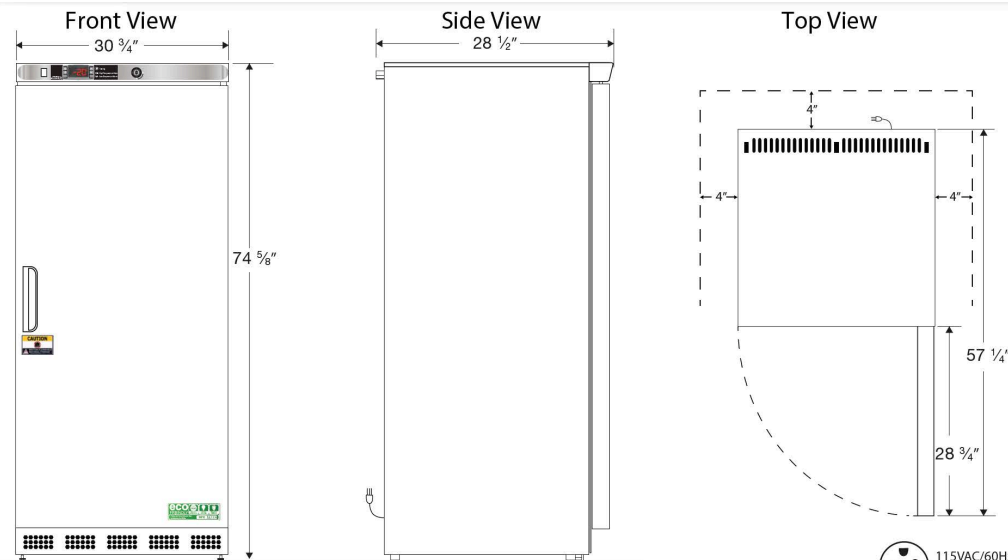


Manual Defrost with Natural Refrigerants Freezers Technical Drawings



Cu. Ft	Defrost	Door	Int Door	Shelves	Interior Dim.			Refrigerant	H.P.	Amps	Weight
					W"	D"	H"				
20	Manual	1 Solid	0	6 Fixed	25 7/8	21 3/4	65	R290	1/2	1.96	207 lbs.

Note: Interior dimensions are estimates and subject to change without notice



NOTE: Ventilation Requirements – Minimum 4" clearance on sides and back

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					W"	D"	H"				
20	Manual	1 Solid	0	6 Fixed	30 3/4	28 1/2	74 5/8	R290	1/2	1.96	207 lbs.