



# VFD43 HC BW

ESTABLISHING A **NEW STANDARD** IN THE FOODSERVICE INDUSTRY.

Highly efficient and spacious freezer providing perfect temperature preservation and performance.



## KEY FEATURES



- **Eco-Friendly Refrigerant**  
Environmentally friendly R290 hydrocarbon refrigerant has low Global Warming Potential (GWP). Meets all USA, California & Canada refrigerant & energy standards.



- **Intelligent Electronic Control**  
Electronic controller (CIF) assures optimal refrigeration performance through precision temperature control, and intelligent control defrost cycle, compressor & other component functions.



- **High Power Reliable Refrigeration System**  
Fast pull down, optimal internal air circulation and reliable refrigeration, maintaining colder temperatures for food preservation.



- **Standard LED Lighting System**  
Ultra bright 250 LUX, low energy interior LED illumination system provides optimal merchandise display visibility. Low profile, door mounted, clip-in LED design.



- **Evaporator Housing**  
Injection molded, flame retardant plastic evaporator housing provides optimal air flow and reliable condensate drainage during defrost cycles. Optimal improved aesthetics and improved design for accessibility during maintenance & assembly.



- **Glass door optimal thermal design**  
3 pane glass, argon filled & sealed, plus 2 low-E UV protection films deliver optimal thermal insulation. Safety glass exterior pane. Extruded plastic door frame, corner welded for optimal thermal properties and reliability. Standard anti-fog film on interior glass for rapid condensation removal after door closing. (New high strength adhesive 2020)



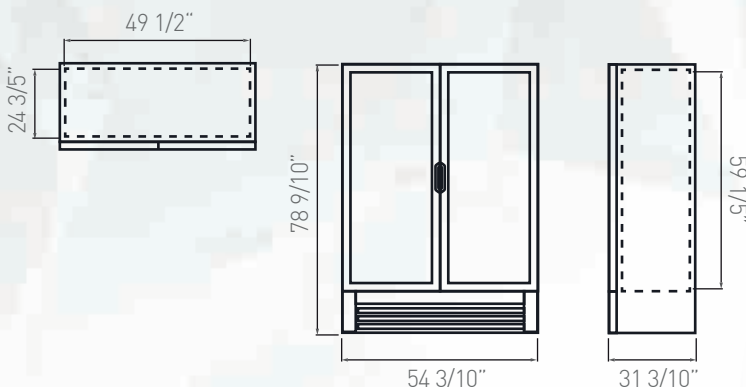
- **Heated door & humidity sensor**  
90 Watt heater on external door glass, electronically controlled by humidity sensor. Heater activates from 55% RH in order to evaporate excessive condensation on exterior glass. Heater eliminates majority of condensation for optimal product visibility and prevents condensate runoff/puddling up to 70% RH in 90°F/32°C environment. Heater de-activates below 55% RH, for optimal energy consumption and DOE compliance.



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## PRODUCT VIEWS

### TOP VIEW



## ADDITIONAL FEATURES

-  **Manual Lock** - External lock available
-  **Baskets** - 2 provided as standard.
-  **Price Kit** - Available for shelf display
-  **Door hinges (New design 2020)**  
Increased strength, reliability and insulation. Door hinges strength increased using 10 Gauge steel. Bottom hinge is 'hollow', 8.8mm hole allows LED, Door heater & other harnesses to pass through for optimal reliability, and offers optimal door frame insulation. Increased spring strength delivers reliable door closing. Eliminates 90 degree hold open & soft closing.
-  **Spark-Free Refrigeration Components**  
All Reach-In models will have spark free refrigeration components for optimal safety, per UL requirements.
-  **Wooden Pallet**  
Sturdy wooden pallet which provides support and security in the shipping and storage of the freezer, with easy access & removal.
-  **General Power Switch Accessibility**  
Switch location moved to front of cabinet, immediately behind the front grill, for improved accessibility, thus avoiding the need to move cabinets to power-off, during maintenance and cleaning.
-  **Vacuum Valve**  
Ensures door is able to be re-opened, within 5 seconds, to reduce the effects of rapidly cooled air and vacuum effect.
-  **Lower Drain**  
One piece, transparent lower drain hose, ensures visibility & consistent condensate drainage for optimal defrost function.
-  **Evaporator Defrost Heaters**  
Evaporator 3 Heaters; Two heaters run constantly to eliminate ice build-up below the evaporator (300 Watts) and drain line (8.2 Watts), and a third heater (125 Watts) for defrost function (Defrost cycle runs every 3hrs, up to 30 mins or to 68°F Evap temp whichever is reached first).
-  **Cabinet frame**  
Heated surround, to reduce condensation after door opening, aided by double door gasket.

## TECHNICAL SPECIFICATIONS

### Exterior Dimensions

H: 78 9/10" 200 cm  
W: 54 3/10" 138 cm  
D: 31 3/10" 80 cm

### Interior Dimensions

H: 59 1/5" 150 cm  
W: 49 1/2" 126 cm  
D: 24 3/5" 63 cm

### Usable Interior Capacity

H: 47 1/5" 120 cm  
W: 48 1/10" 122 cm  
D: 19 3/5" 50 cm

### Usable Volume

42.97 ft<sup>3</sup>  
1217 lbs

| Doors | Door construction | Shelves | Shelves Size                          |
|-------|-------------------|---------|---------------------------------------|
| 2     | V7 Plastic frame  | 8       | W: 24 1/10" 61 cm<br>D: 19 3/5" 50 cm |

**External Material** Pre-painted steel

**Internal Material** Pre-painted steel

## REFRIGERATION PERFORMANCE DATA

### Refrigerant

R290 7.8 Oz (0.22 kg)

### Energy Consumption

12.772 kWh/24h

### Compressor Power

1/2 HP

### Condenser

Finless (low maintenance)

### Thermostat setting default

**Cut-Out** -11.2°F [-24°C]    **Cut-In** -0.4°F [-18°C]

## ELECTRICAL DATA

### Power supply

115V/60 Hz

### AMPS

11.2 A

### Lighting

250 Lux Output  
18 modules, 8 LED per module

### Plug Type

NEMA 5-15P

### Controller

CIF

### Cord length

118" (300 cm)

## LOGISTIC DATA

### Trailer Loads

40': 22  
53': 33

### Unit weight with packaging

519.9 lb 235.5 kg

### without packaging

511.47 lb 232 kg

### Dimensions w/packaging

H: 82 3/10" 209 cm  
W: 55 2/5" 141 cm  
D: 31 9/10" 81 cm

### Customer service and warranty

Three year limited warranty, includes parts and labor.

An additional two year warranty is issued on the compressor (USA & Canada only).

Operators must follow installation and operational guidelines per Imbera Users Manual.

Each cooler must be connected directly to a single power supply, otherwise warranty will be voided.

Customer service: 866.548.5770

Designed to preserve frozen products at temperature between -11.2°F to -0.4°F

\*Energy consumption based on ANSI/ASHRAE Standard 72-2005

\*BMAD System (Low maintenance high performance)

\*Dimensions rounded up to the nearest inch or centimeter

\*Specifications subject to change without notice

\*H: Height, W: Width, D: Depth

07/09/2021