



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)



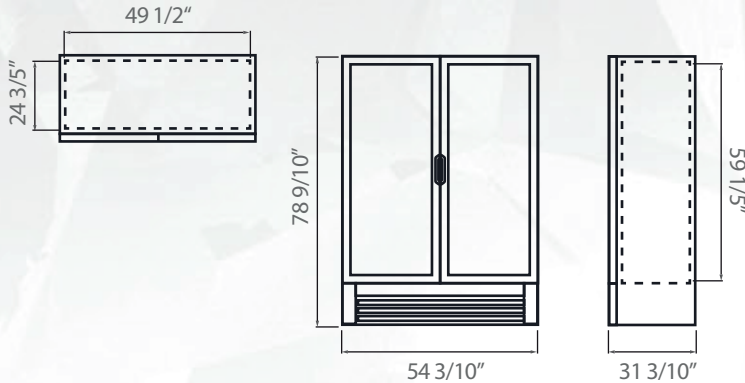
- **Heated door & humidity sensor**
90 Watt heater on external door glass, electronically controlled by humidity sensor. Heater activates from 55% RH in order to evaporate excessive condensation on exterior glass. Heater eliminates majority of condensation for optimal product visibility and prevents 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 ft³
1217 lbs

Doors	Door construction	Shelves	Shelves Size	
2	V7 Plastic frame	8	W: 24 1/10" 61 cm	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

Default temperatures (t3), 2 different controllers, switches to the front of the cabinet, defrost logic will run every 3 hrs Customer service: 866.548.5770.

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