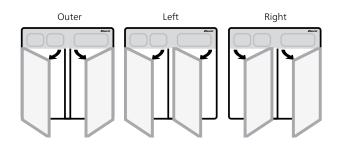






Model configurations					
Storage system	Hinging	Heated door	Keypad	Door style	Item number
12 drawers	outer	yes	yes	heated glass	REF45-BB-0HTKPG
12 drawers	outer	yes	no	heated glass	REF45-BB-0HT00G
12 drawers	outer	no	yes	glass	REF45-BB-000KPG
12 drawers	outer	no	no	glass	REF45-BB-00000G
12 drawers	right	yes	no	heated glass	REF45-BB-RHT00G
12 drawers	right	no	no	glass	REF45-BB-R0000G
12 drawers	left	yes	no	heated glass	REF45-BB-LHT00G
12 drawers	left	no	no	glass	REF45-BB-L0000G



### **Features**

# Powerful refrigeration system and superior plenum air distribution

- modular refrigeration system with microprocessor controller provides a  $\pm 1$  C (1.8 F) performance throughout
- industry-exclusive center plenum air distribution delivers cold air to both sides at six different levels
- auto-evaporating condensate
- meets AABB, ARC and FDA standards for blood storage at 1 to 6 C

### User-friendly interface

- 7" LCD capacitive touchscreen digital temperature display available in user-programmable C or F
- integral event and data logging with easy downloading via convenient USB port

### Protection for your valuable products

- audible and visual high/low temperature, door open, power failure, low battery alarms
- integral 6.00" (15.24 cm) 7-day chart recorder standard with 50 Celsius charts
- dry contacts for remote alarming

#### Superior drawer system for easy, trouble-free rolling

- 12 (6 per side) full-extension stainless steel drawers store up to (816) 450 ml bags
- stainless steel roller bearings and S-track design eliminate binding and uneven wear
- drawers and slides lift out without tools for easy cleaning
- track/drawer interface minimizes risk of catching product tubing in slides

### Full stainless steel cabinet and high quality components

- full stainless steel interior and exterior provide resistance to rust and corrosion
- quick-connect RTD product temperature probe easily accessible inside storage cabinet
- dished stainless floor contains spills for easy clean up
- heavy-duty dual casters roll easily and lock securely
- 2.75" (6.98 cm) of CARB compliant non-HFC foam throughout

#### Heavy-duty door for ease of use and energy savings

- dual-pane glass door with ADA-compliant full length locking handle
- energy efficient low-E glass coating to reduce energy loss by 30 50% compared to non-coated glass
- glass remains condensation-free to 27 C (80 F) at 60% RH and eliminates need for heated doors in most applications
- self-closing hinges lock open at 90 degrees for easy product loading



## Features (continued)

### Cool, energy-efficient LED lights

- full length LED light bars illuminate all drawers
- instant-on LEDs eliminate delay of fluorescent lights and deliver longer life
- energy-efficient LEDs allow products to be place next to lights
- auto on with door opening; ON/OFF front panel switch

### Warranty

- 2 years parts, 5 years compressor parts, 2 years labor

## Factory-installed options:

Integral keypad and electronic locking system with keyed access manual override (available on outer-hinged units only)

Keypad integral to touchscreen controls; electronic locking mechanism opens both doors simultaneously

Heated glass door and frame (recommended for ambients above 27 C (80 F), 60% RH)

NOTE: Factory-installed options must be specified at time of order – for details contact factory or your local sales representative.

### Accessories

Replacement "quick-connect" RTD probe with ISO 17025 certificate of traceable calibration (item# 01140458)

Replacement high-side refrigeration module (complete condensing unit) (item# 01147891)

Glycerine, 16 oz (item# 00959296)

Additional key (item# 00945436)

Wall bracket kit, seismic anchoring (item# 00927194)

NOTE: Accessories ship separately.

Touchscreen display

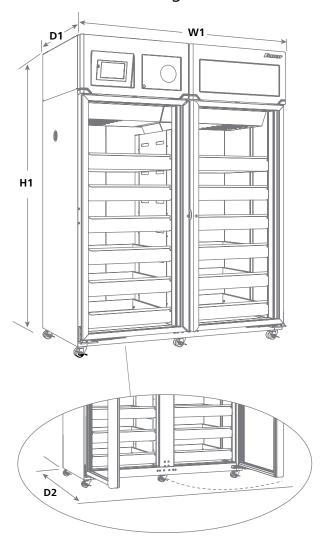


Integral 6.00" (15.24 cm) 7-day chart recorder



Specification			
Nominal capacity	45 cu ft		
Ventilation clearance	16.00" (40.6 cm) top, 2.00" (5.08 cm) back		
Exterior			
<b>W1</b> Width	59.75" (151.7 cm)		
<b>D1</b> Depth with handle	33.55" (85.2 cm)		
H1 Height with casters	79.54" (202.0 cm)		
Casters	(6) swiveling dual wheel casters with toe locks		
<b>D2</b> Door swing	59.55" (151.3 cm)		
Interior			
Height	54.31" (138.0 cm) with upper return panel		
Lighting	(2) energy efficient full length LED lights		
Storage system	(12) full-extension stainless steel drawers (6 per side)		
Inside drawer dimensions	22.50" W x 24.69" L x 3.00" D (57.5 cm x 62.7 cm x 7.62 cm)		
Space between drawers	8.00" (20.32 cm) fixed		
Blood bag capacity per drawer	68		
Max. load rating per drawer	117 lb (53 kg)		
Door configurations			
Door	(2) dual-pane glass, argon filled with low-E coating (heated opt)		
Door lock	cylinder type with one key per door		
Door handle	ADA-compliant, full length handle		
Door hinges	torsion rod self-closing with 90° hold open feature		
Gasket	magnetic dart style (replaceable)		
Electrical			
Electrical 115 V/60/1 (103 - 132 V)	12 full load amps, NEMA 5-20P, 90° hospital-grade plug, 9' (2.7 m) cord.		
Maximum size of branch circuit overcurrent device	20 amps dedicated circuit		
Controls			
Temperature display	7" LCD capacitive touchscreen digital temperature display available in user-programmable C or F		
3rd party probe access	soft access port on left side of cabinet		
Product temperature display probe	(2) quick-connect RTD (± 0.4 C, ± 0.7 F)		
Temperature probe calibration	top probe calibration in 0.1° increments		
Password protection PIN	4 digit password to prevent interface setting/selection changes		
Date and time	programmable		
Product simulation bottle size	(2) 125 ml		
Refrigeration and defrost probes	NTC thermistor type		
Refrigeration cycle with probe error	factory set at 2 min on, 6 off		

# Dimensional drawing



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3.3 to 10 C (38 to 50 F)

Programmable operating range

Factory preset	3.3 C
Alarming	
High and low product temperature alarm (top probe)	audible and visual, user programmable set points in C or F
Power failure alarm	audible and visual
Door ajar alarm	audible and visual
Probe error alarm	audible and visual
Alarm mute	10 minute ring-back, adjustable
Alarm volume	0-10 scale
Low battery alert	audible and visual
Back-up battery status	shows voltage level
Min/max temperature log	shows highest and lowest product temperature since last reset occurred
Remote contacts	NO/NC standard, located behind front panel
Information log	graphs or displays temperature data and displays chronological event data (50,000 data points)
Data export	USB export capabilities
System performance	
Top-to-bottom temperature consistency	± 1 C (1.8 F)
Refrigeration system	integral top-mounted modules with 1/2 hp compressor and air-cooled condenser
Refrigerant and charge	non-CFC R134a refrigerant, 13 oz
Air circulation system	ducted air to each storage level through plenum openings
Air temperature pull down	27 to 4 C (80 to 39 F) in 60 minutes
Product simulation bottle temperature pull down	27 to 4 C (80 to 39 F) in 6 h (to 6 C (43 F) in 2 h 40 min)
Energy consumption	7.4 kWh/day (auto-off defrost)
BTU/hr normal heat rejection, includes duty cycle (75 F ambient)	1480 BTU/hr (434 W)
BTU/hr maximum (total) heat rejection, continuous operation (75 F ambient)	5240 BTU/hr (1536 W)
Shipping	
Shipping size	48.00" W x 70.00" D x 83.00" H (121.9 x 177.8 x 210.8 cm)
Approximate refrigeration condenser module net weight	52 lb (24 kg)
Approximate net weight	790 lb (359 kg)
Approximate ship weight	930 lb (422 kg)

SHORT FORM SPECIFICATION: Upright double door blood bank refrigerator with 45 cu ft of nominal capacity. To include (12) full-extension stainless steel drawers with shielded roller bearings and stainless S-tracks. Environmentally responsible R134a refrigeration system to include top-mounted modules with 1/2 hp compressor and air-cooled condenser. 7" LCD capacitive touchscreen with user selectable C or F. Event and data logging with USB download capability. Integral 6.00" (15.24 cm) 7-day chart recorder. Air circulation system distributes cold air to both sides at 6 different levels. Storage area to be insulated with CARB compliant non-HFC foam. 9' (2.7 m) power cord with NEMA 5-20 90° hospital-grade plug. UL listed.





NOTE: For indoor use only