

# TECHNICAL DATA SHEET

## MODEL BBR168

### 4°C BLOOD BANK REFRIGERATOR



## MDR Certification

**0.25**  
H

**1-Minute  
Door Opening  
Recovery**

**1.25**  
H

**Pull-Down  
to 4°C**

**117**  
Bags

**Blood Bag  
Recommended  
Maximum Load**

*Typical data based on internal prototype testing with set point at 4°C and ambient temperature at 25°C, may vary between units.*

## SPECIFICATIONS

### → 2-6°C Blood Bank Refrigerator

|                                   |                                               |
|-----------------------------------|-----------------------------------------------|
| Model                             | BBR168                                        |
| Capacity                          | 168L (5.93 cuft)                              |
| Internal Chamber Size (W X D X H) | 525 X 550 X 744mm (20.67 X 21.65 X 29.29 in)  |
| External Size (W X D X H)         | 654 X 774 X 1330mm (25.75 X 30.47 X 52.36 in) |
| Package Size (W X D X H)          | 700 X 837 X 1492mm (27.56 X 32.95 X 58.74 in) |
| Product Weight (Kgs/Lbs)          | 116kg (255.74 lbs)                            |
| Shipping Weight (Kgs/Lbs)         | 144kg (317.47 lbs)                            |

### → Performance

|                     |                          |
|---------------------|--------------------------|
| Temperature Range   | 2-6°C                    |
| Ambient Temperature | 16-32°C                  |
| Climate Class       | Indoor Use Only          |
| Controller          | Microprocessor           |
| Display             | Intelligent Touch Screen |

### → Refrigeration

|                           |                    |
|---------------------------|--------------------|
| Compressor                | Single             |
| Cooling Method            | Forced Air Cooling |
| Defrost Mode              | Automatic          |
| Refrigerant               | R290               |
| Insulation Thickness (mm) | L/R:55, B:50       |

## → Construction

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| External Material                    | PCM                                 |
| Inner Material                       | Stainless Steel                     |
| Drawers                              | 3                                   |
| Access Test Port                     | 1 pc. 025mm                         |
| Casters                              | 4+ (2 with Brake)                   |
| Data Logging/Interval/Recording Time | USB/Record Every 5 Minutes/10 Years |
| Interface                            | Remote Alarm Contact                |
| Backup Battery                       | Yes                                 |

## → Alarms

|             |                                                                                      |
|-------------|--------------------------------------------------------------------------------------|
| Temperature | High/Low Temperature, High Ambient Temperature                                       |
| Electrical  | Power Failure, Low Battery, Battery Power Detection Failure                          |
| System      | Sensor Error, Main Board Communication Error, Condenser Overheating Alarm, Door Ajar |

## → Electrical

|                    |
|--------------------|
| 220-240V/50 & 60Hz |
| 1.79A              |

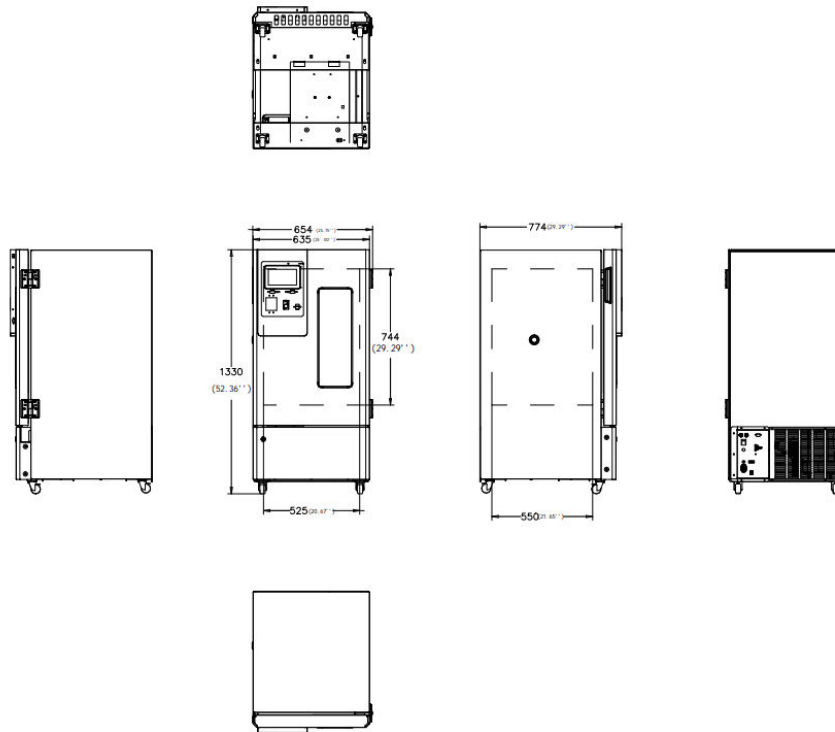
## → Certifications



UL (2020-12-18; 2022-11-30 (A1); 2024-09-27 (A2) - E509170)  
CE (SHEM220200088401 HSC)  
NSF456 (EPH-000378-0)

Manufacturing Facility certified to ISO 9001:2015 and  
ISO 13485:2016 quality management system standards  
Medical device classification: Class II (U.S), Class IIa (EU MDR)

## DIMENSIONS



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REDEFINING COLD