## Technical Data Sheet

**Blood Bank Refrigerator**

**Thermo Fisher Scientific, Asheville, North Carolina**

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application, Rating and Electrical Data</td>
<td>FRBB2304A</td>
</tr>
<tr>
<td>Application</td>
<td>Blood Bank (non-flammable) Refrigerator</td>
</tr>
<tr>
<td>Storage Volume</td>
<td>650 Liters/23.0 Cubic Feet</td>
</tr>
<tr>
<td>Temperature Rating</td>
<td>0°C to 8°C @ 15°C to 32°C Ambient</td>
</tr>
<tr>
<td>Electrical Power</td>
<td>115V 60 Hz 1 Phase</td>
</tr>
<tr>
<td>Instrument Rated Current</td>
<td>15.0 FLA</td>
</tr>
<tr>
<td>Building Supply Rating</td>
<td>Breaker 20 Amps/115v10 Volt while operating</td>
</tr>
<tr>
<td>Power Plug/Power Cord Length</td>
<td>3.048 Meters (10 feet) 20 Amp Cord (5-20P)</td>
</tr>
<tr>
<td>Agency Listings</td>
<td>UL,CuL, FDA</td>
</tr>
<tr>
<td>Sound Pressure Level</td>
<td>N/A</td>
</tr>
<tr>
<td>Indoor/Outdoor Usage</td>
<td>Indoor Use Only</td>
</tr>
<tr>
<td>Application Environment</td>
<td>Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation, 15° C - 32° C (60° F - 90° F)</td>
</tr>
</tbody>
</table>

### Refrigeration Configuration

- **Refrigeration System**: Vapor compression system
- **Compressor / Number**: 1/3 HP Hermetic Compressor / 1
- **Condenser Type/Number**: Enhanced Finned-Tube and Forced-Air Cooled / 1
- **Expansion Device**: Capillary Tube
- **Evaporator Type**: Forced-Air Evaporator
- **Defrost Method**: Microprocessor controlled off cycle every 1 hr. Programmable interval, duration and temperature settings
- **Refrigerant Charge/Flammability**: Environmentally Safe R134a

### Controller/Electrical System Configuration and Features

- **Controller Level**: Eye Level
- **Power Switch**: Keyed Off-On - Alarm
- **Controller Type**: IntrLogic Control System: Digital display, Graphic thermometer, Automatic defrost system
- **Setpoint Security / Programmable**: Yes / Yes
- **Compressor Safe Guard**: High Pressure Cutout Switch/High Temp Cutout Switch/Current protection
- **Control Sensor**: Stainless Steel Shielded RTD
- **Remote Alarm Terminals**: Yes
- **Power Failure Alarm**: Yes
- **Standard Electronic chart Recorder**: Optional

### Dimensions and Construction

- **Interior Dimensions (H x D x W)**: 147.3 H X 72.3 F-B X 61.0 W cm (58.0 H X 28.5 F-B X 24.0 W in.)
- **Exterior Dimensions (H x D x W)**: 199.7 H X 92.6 F-B X 71.1 W cm (78.6 H X 36.4 F-B X 28.0 W in.)
- **Insulation**: 5.08 cm (2.0") High Density HFC-blown Polyurethane Foam in cabinet
- **Door Perimeter heater**: Yes
- **Shelves / Capacity**: (7) Drawers Adjustable In 1" Increment. Max. Cap. per Drawer: 27 kg (60 lbs.)
- **All-Direction Casters**: Yes
- **Ship Weight**: 213 kg / 470 lb
- **2" Dia access port**: Yes

### Typical Performance Characteristics

1. Performance is nominal and individual units may vary.
2. Freezer performance will differ due to product amount, product size and operating conditions.
3. Continuous product enhancements may, without notice, result in amendments or omissions to this specification. Thermo Scientific cannot accept responsibility for damage, injury, loss or expenses resulting from misapplication of the information herein.

© 2013 Thermo Scientific Inc. All trademarks are the property of Thermo Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.