

Technical Data Sheet High Performance Pharmacy Refrigerator

Revision-10

Thermo Fisher Scientific, Asheville, North Carolina

Model Number																									
RPR 5004A (with 5C setpoint option – 7508TA)																									
Application, Rating and Electrical Data																									
Application	Pharmacy (non-flammable) Refrigerator																								
Storage Volume	1447 Liters/51.1 Cubic Feet																								
Temperature Rating	2°C to 8°C																								
Electrical Power	115V 60 Hz 1 Phase																								
Instrument Rated Current	15.0 FLA																								
Building Supply Rating	Breaker 20 Amps/115v±10 Volt while operating																								
Power Plug/Power Cord Length	3.048 Meters (10 feet) 20 Amp Cord (5-20P)																								
Agency Listings	UL,cUL																								
Indoor/Outdoor Usage	Indoor Use Only																								
Application Environment	Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation																								
Ambient Operating Temperature	15° C - 32° C (60° F - 90° F)																								
Refrigeration Configuration																									
Refrigeration System	Vapor compression system																								
Compressor / Number	3/4 HP Hermetic Compressor / 1																								
Condenser Type/Number	Enhanced Finned-Tube and Forced-Air Cooled / 1																								
Expansion Device	Capillary Tube																								
Evaporator Type	Forced Air Evaporator Coil																								
Defrost Method	Automatic Defrost																								
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 73.7 F-B X 133.4 W cm (58.0 H X 29.0 F-B X 52.5 W in.)																								
Exterior Dimensions (H x D x W)	199.6 H X 94.5 F-B X 143.0 W cm (78.6 H X 37.2 F-B X 56.5 W in.)																								
Insulation	5.08 cm (2.0") High Density HFC-blown Polyurethane Foam in cabinet																								
Door Perimeter heater	Yes																								
Shelves / Capacity	(12) Drawers Adjustable In 1" Increment. Max. Cap. per Drawer: 27 kg (60 lbs.)																								
All-Direction Casters	Yes																								
Ship Weight	359 kg / 790 lb.																								
Access Port / Dia	Yes / 2" diameter																								
Typical Performance Characteristics																									
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>50 cuft Upright Refrigerator, Pull Down and Warm Up</p> </div> <div style="width: 30%;"> <p>50 cuft Upright Refrigerator at 5C Cycle</p> </div> <div style="width: 30%;"> <p>Test Unit Series Number or MSO Number: 19334 AA-T1-1</p> <table border="1"> <tr><td>Cabinet Load</td><td>Unloaded</td></tr> <tr><td>Average Cabinet Temp at 5C Cycle (C):</td><td>5.3</td></tr> <tr><td>Peak Variation from Setpoint (C):</td><td>+2/-2.4</td></tr> <tr><td>Uniformity (C):</td><td>0.9</td></tr> <tr><td>Stability (C):</td><td>2.9</td></tr> <tr><td>1-min Door Opening Recovery to 5C (min):</td><td>3</td></tr> <tr><td>Duty Cycle at 5C (%):</td><td>38</td></tr> <tr><td>Cycle (on/off) rate at 5C (min):</td><td>5 / 8</td></tr> <tr><td>Energy Consumption (kw-hr/day):</td><td>11.1</td></tr> <tr><td>Heat Rejection Rate (btu/hr):</td><td>1574</td></tr> <tr><td>Pull Down Time (to 5C) (min):</td><td>28</td></tr> <tr><td>Warm Up Time (5C to 15C) (min):</td><td>282</td></tr> </table> </div> </div>		Cabinet Load	Unloaded	Average Cabinet Temp at 5C Cycle (C):	5.3	Peak Variation from Setpoint (C):	+2/-2.4	Uniformity (C):	0.9	Stability (C):	2.9	1-min Door Opening Recovery to 5C (min):	3	Duty Cycle at 5C (%):	38	Cycle (on/off) rate at 5C (min):	5 / 8	Energy Consumption (kw-hr/day):	11.1	Heat Rejection Rate (btu/hr):	1574	Pull Down Time (to 5C) (min):	28	Warm Up Time (5C to 15C) (min):	282
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<p>1) Performance is nominal and individual units may vary.</p> <p>2) Freezer performance will differ due to product amount, product size and operating conditions.</p> <p>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.</p>																									