

## Technical Data Sheet High Performance Pharmacy Refrigerator

Revision-10

Thermo Fisher Scientific, Asheville, North Carolina

Model Number	
RPR1204D (with 5C setpoint option – 7508TA)	
Application, Rating and Electrical Data	
Application	Pharmacy (non-flammable) Refrigerator
Storage Volume	326 Liters/11.5 Cubic Feet
Temperature Rating	2°C to 8°C
Electrical Power	208-230V 60 Hz 1 Phase
Instrument Rated Current	8.5 FLA
Building Supply Rating	Breaker 15 Amps/230v±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	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 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)	133.1 H X 55.3 F-B X 50.8 W cm (52.4 H X 21.7 F-B X 20.0 W in.)
Exterior Dimensions (H x D x W)	186.9 H X 74.8 F-B X 61.0 W cm (73.6 H X 29.4 F-B X 24.0 W in.)
Insulation	5.08 cm (2.0") High Density HFC-blown Polyurethane Foam in cabinet
Door Perimeter heater	Yes
Shelves / Capacity	(5) Drawers Adjustable In 1" Increment. Max. Cap. per Drawer: 27 kg (60 lbs.)
All-Direction Casters	Yes
Ship Weight	127 kg / 280 lb.
Access Port / Dia	Yes / 2" diameter
Typical Performance Characteristics	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>12 cuft Upright Refrigerator, Pull Down and Warm Up</b></p> <p>Temperature, C vs Time, minutes</p> </div> <div style="width: 45%;"> <p><b>12 cuft Upright Refrigerator at 5C Cycle</b></p> <p>Temperature, C vs Time, minutes</p> </div> <div style="width: 45%;"> <p>Test Unit Series Number or MSO Number: 19334</p> <p>Cabinet Load: Unloaded</p> <p>Average Cabinet Temp at 5C Cycle (C): 5.2</p> <p>Peak Variation from Setpoint (C): +1.8 / -2.4</p> <p>Uniformity (C): 0.9</p> <p>Stability (C): 2.8</p> <p>1-min Door Opening Recovery to 5C (min): 1</p> <p>Duty Cycle at 5C (%): 27</p> <p>Cycle (on/off) rate at 5C (min): 3 / 8</p> <p>Energy Consumption (kw-hr/day): 7.2</p> <p>Heat Rejection Rate (btu/hr): 1026</p> <p>Pull Down Time (to 5C) (min): 13</p> <p>Warm Up Time (5C to 15C) (min): 168</p> </div> </div>	
<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>	