

Technical Data Sheet High Performance Pharmacy Refrigerator

Revision-10

Thermo Fisher Scientific, Asheville, North Carolina

	Model Number	
	RPR 5004W (with 5C setpoint option – 7508TA)	
Specifications	Application, Rating and Electrical Data	
Application	Pharmacy (non-flammable) Refrigerator	
Storage Volume	1447 Liters/51.1 Cubic Feet 2°C to 8°C	
Temperature Rating Electrical Power	220.080	
Instrument Rated Current	8.5 FLA	
Building Supply Rating	Breaker 15 Amps/230v±10 Volt while operating	
Power Plug/Power Cord Length	British plug for W / IEC Cords, 3.048 Meters (10 feet)	
Agency Listings		
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	Enviromentally 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 sy	stem
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	
ntorior Dimensiona (II v D v M)	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.)	
nterior Dimensions (H x D x W) Exterior Dimensions (H x D x W)	147.3 H X 73.7 F-B X 133.4 W Cfil (38.0 H X 29.0 F-B X 52.5 W III.) 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		
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	
50 cuft Upright Refrigerator, Pull Down and Warm Up	50 cuft UprightRefrigerator at 5C Cyde	
Pull Down	MAX MIN AVG Test Unit Series Number or MSO Number:	19334 AA-T2
19	10 9 CabinetLoad	Unloaded
17	8 Average Cabinet Temp at 5C Cycle (C):	5.6
	Peak Variation from Setpoint (C): Uniformity (C): Stability (C): 1-min Door Opening Recovery to 5C (min): Duty Cycle at 5C (%): Cycle (on forf) rate at 5C (min):	+2.7/-2.8
15	Uniformity(C):	1.5 3.5
	5 4 5 5 5 5 5 5 5 5 5 5 5 5 5	3
11	DutyCycle at 5C (%): Cycle (onloff) rate at 5C (min):	34 5 / 10
9	2 Energy Consumption (kw-hr/day):	13.4
7	1 HeatRejection Rate (blu/hr): Pull Down Time (to 5C) (min):	1907 22
5 0 50 100 150 200 250	300 0 120 240 360 480 600 720 WarmUpTime(5C to 15C) (min): Time, minutes	245
Time, minutes Performance is nominal and individua		
	product amount, product size and operating conditions.	

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