

Technical Data Sheet High Performance Laboratory Purpose Refrigerator

Revision-10

Thermo Fisher Scientific, Asheville, North Carolina

Application Application Application Storage Volume Temperature Rating Electrical Power Temperature Rating Electrical Power 120-240 V 50 Hz 1 Phase Instrument Rated Current Building Supply Rating Power PlugPower Cord Length Agency Listings Indoor/Outdoor Usage Indoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoor/Outgoo	<u>_</u>	Model Number	
Application Storage Volume Bosteria/29 & Zobie Feet Temperature Rating Temperature Temperature Rating Temperature Tem	0	RGL3004W	
Storage Volume R2E Liters/29.2 Cubic Feet			
Electrical Power 20-240V 50 Hz 1 Phase Instrument Rated Current So FLA Building Supply Rating Breaker 15 Amps/230va10 Volt while operating Power PlugiPower Cord Length Populg for W / IEC Cords, 3.048 Meters (10 feet) Agency Listings CE, FDA Indoor Uses Indoor Use Only Agency Listings Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation Ambient Operating Temperature Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation Ambient Operating Temperature Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation Ambient Operating Temperature Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation Ambient Operating Temperature Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation Ambient Operating Temperature Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation Ambient Operating Temperature Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation Ambient Operating Temperature Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation Refrigeration System Vapor compression system Condressor / Number Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation Refrigeration Non-Explosive, Good Air Ventilation			
Electrical Power 220-240V 50 Hz 1 Phase Instrument Rated Current 6.0 FLA			
Instrument Rated Current Building Supply Rating Power PlugPower Cord Length Agency Listings Indoor/Outdoor Usage Aperication Environment Ambient Operating Temperature Refrigeration System Compressor / Number Condessor / Psychiatry Psychiatry Expansion Device Expansion Servation Expansion Device Expansion Psychological Device Expansion Psychological Device Expan			
Building Supply Rating			
Power Plug/Power Cord Length			
Agency Listings	0 117		
Indoor/Outdoor Usage			
Ambient Operating Temperature		· · · · · · · · · · · · · · · · · · ·	
Refrigeration System			
Refrigeration Configuration Vapor compression system Compressor / Number 1/3 HP Hermetic Compressor / 1			
Refrigeration System	Ambient Operating Temperature		
Compressor / Number	Defrice entire Contains		
Enhanced Finned-Tube and Forced-Air Cooled / 1			
Expansion Device Capillary Tube			
Evaporator Type	71		
Defrost Method			
Controller Level			
Controller/Level			
Eye Level	Reingerant Charge/Flammability		
Power Switch	Controller Level		
Setpoint Security / Programmable Standard / Standard Standar			
Standard Standard Standard Compressor Safe Guard High Pressure Cutout Switch/High Temp Cutout Switch/Current protection			
High Pressure Cutout Switch/High Temp Cutout Switch/Current protection			
Stainless Steel Shielded RTD			
Remote Alarm Terminals Standard	· · · · · · · · · · · · · · · · · · ·		
Standard Standard Standard Optional			
Dimensions (H x D x W)			
Dimensions and Construction			
Interior Dimensions (H x D x W)	Standard Electronic Chart Necorder		
Sterior Dimensions (H x D x W)	Interior Dimensions (H v D v W)		
Insulation			
Door Perimeter heater Yes	,		-
Shelves / Capacity			
All-Direction Casters Ship Weight Access Port / Dia Typical Performance Characteristics 30 curt Upright Refrigerator at 4C Cycle Pull Down Warm up Average Cabinet Temp at 4C Cycle (C): Average Cabinet Temp at 4C Cycle (C): 10 Uniformity (C): 11 Average Cabinet Temp at 4C Cycle (C): 12 Uniformity (C): 13 1-min Door Opening Recovery to 4C (min): 15 1 5 1 5 5 1 5 5 1 7 5 100 125 0 120 240 360 480 600 720 WarmUp Time (4c 4C) (min): 19 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Ship Weight	. ,		
Access Port / Dia Yes / 1" diameter Typical Performance Characteristics 30 Cuft Upright Refrigerator, Pull Down and Warmup Pull Down Warm up MAX MIN AVG Test Unit Series Number or MSO Number: 19029-TS Cabinet Load: Average Cabinet Temp at 4C Cycle (C): 3.1 Peak Variation from Setpoint (C): +1.3 /-3 Uniformity (C): 1.4 Void (C): 3.1 Peak Variation from Setpoint (C): 4.1 Stability (C): 3.3 Uniformity (C): 3.4 Peak Variation from Setpoint (C): 4.1 Stability (C): 3.3 Uniformity (C): 5.7 Energy Consumption (kw-hirday): 9.7 Heat Rejection Rate (btu/hr): 1372 Pull Down Time (to 4C) (min): 19			
Typical Performance Characteristics 30 Cuft Upright Refrigerator, Pull Down and Warmup Pull Down Warm up AVG Test Unit Series Number or MSO Number: 19029-TS Cabinet Load: Average Cabinet Temp at 4C Cycle Uniformity (C): 3.1 Peak Variation from Setpoint (C): +13/-5 Uniformity (C): 1.4 Stability (C): 3 1-min Door Opening Recovery to 4C (min): 5 / / / S Test Unit Series Number or MSO Number: 19029-TS Uniformity (C): 3.1 Peak Variation from Setpoint (C): +13/-5 Uniformity (C): 1.4 Stability (C): 3 Tenergy Consumption (w-hriday): 9.7 Heat Rejection Rate (bu/frr): 1372 Pull Down Time (to 4C) (min): 19 Warm Up War			
30 Cuft Upright Refrigerator, Pull Down and Warmup Pull Down Warm up Avg Test Unit Series Number or MSO Number: 19029-TS Cabinet Load: Average Cabinet Temp at 4C Cycle (C): 3.1 Peak Variation from Setpoint (C): 1.4 Stability (C): 3 1-min Door Opening Recovery to 4C (min): 3 Duty Cycle at 4C (%): Cycle (nohff) rate at 4C (min): 5 / / 8 Energy Consumption (kw-hriday): 9.7 Heat Rejection Rate (blu/hr): 1372 Pull Down Time (to 4C) (min): 1992 Warm Upright Refrigerator at 4C Cycle Cabinet Load: 4 Unload Average Cabinet Temp at 4C Cycle (C): 3.1 Peak Variation from Setpoint (C): 41.3/-3 Uniformity (C): 3.1 Pint Door Opening Recovery to 4C (min): 5 / / 8 Cycle (onloft) rate at 4C (min): 5 / / 8 Pull Down Time (to 4C) (min): 1372 Pull Down Time (to 4C) (min): 119	Access Forty Dia		
Pull Down Warm up Available 1 Cabinet Load: Average Cabinet Temp at 4C Cycle (C): 3.1 Average Cabinet Temp at 4C Cycle (C): 4.1 Average Cabinet Temp at 4C Cycle (C): 4.1 Stability (C): 1.4 Stability (C): 3 1-min Door Opening Recovery to 4C (min): 3 Duty Cycle at 4C (%): 49 Cycle (onloft) rate at 4C (min): 5 / / 5 Energy Consumption (w-hriday): 9.7 Heaf Rejection Rate (but/m): 1372 Pull Down Time (to 4C) (min): 19 Pull Down Time (to 4C) (min): 19 Warm up Average Cabinet Temp at 4C Cycle (C): 3.1 Cabinet Load: Average Cabinet Temp at 4C Cycle (C): 3.1 Average Cabinet Temp at 4C Cycle (C): 3.1 Feak Variation from Setpoint (C): 1.4 Stability (C): 1.4 Stability (C): 3 Heaf Rejection Rate (but/m): 1372 Pull Down Time (to 4C) (min): 119			
Cabinet Load: Average Cabinet Temp at 4C Cyde (C): 3.1 Peak Variation from Setpoint (C): 41.3/-5 Uniformity (C): 51min Door Opening Recovery to 4C (min): 3 Duty Cycle at 4C (%): Cycle (onloff) rate at 42 (min): 5 / / 8 Cycle (onloff) rate at 42 (min): 5 / / 8 Peak Variation from Setpoint (C): 49 Cycle (onloff) rate at 42 (min): 5 / / 8 Peak Variation from Setpoint (C): 49 Cycle (onloff) rate at 42 (min): 5 / / 8 Peak Variation from Setpoint (C): 49 Pull Down Time (to 4C) (min): 49 Cycle (onloff) rate at 42 (min): 5 / / 8 Peak Variation from Setpoint (C): 49 Pull Down Time (to 4C) (min): 40 Pull Down Time (to 4C) (min)	CANDAGE TO THE STATE OF THE STA		40000 TC T
Cabinet Load: Average Cabinet Temp at 4C Cycle (C): 3.1 Peak Variation from Set point (C): 1.4 Peak Variation from Set point (C): 1.4 Variable Vari			0.0000000000000000000000000000000000000
Average Catinet Temp at 4C Cycle (C): 3.1 Peak Variation from Setpoint (C): +1.3/-3 Uniformity (C): 3.4 Peak Variation from Setpoint (C): +1.3/-3 Uniformity (C): 3.3 Uniformity (C): 3.4 Stability (C): 1-min Door Opening Recovery to 4C (min): 3 Duty Cycle at 4C (%): Cycle (onloft) rate at 4C (min): 5 / 5 Energy Consumption (kw-hirday): 9.7 Heat Rejection Rate (but/hr): 1372 Plull Down Time (to 4C) (min): 1372 Peak Variation from Setpoint (C): +1.3/-3 Uniformity (C): 3.1 Peak Variation from Setpoint (C): +1.3/-3 Uniformity (C): 3.1 Peak Variation from Setpoint (C): +1.3/-3 Uniformity (C): 3.1 Peak Variation from Setpoint (C): +1.3/-3 Uniformity (C): 3.4 Peak Variation from Setpoint (C): +1.3/-3	20	6 Cabinet Load:	Unloaded
Uniformity(C): 1.4 Stability(C): 3 1-min Door Opening Recoveryto 4C (min): 3 Duty Cycle at 4C (%): Cycle (on/off) rate at 4C (min): 5 / 5 Energy Consumption (kw-hir/day): 9.7 Heat Rejection Rate (bu/hr): 1372 Pull Down Time (to 4C) (min): 19 Uniformity(C): 1.4 Stability(C): 3 Cycle (on/off) rate at 4C (min): 5 / 5 Energy Consumption (kw-hir/day): 9.7 Heat Rejection Rate (bu/hr): 1372 Pull Down Time (to 4C) (min): 119		Average Cabinet Temp at 4C Cycle (C):	
8 Energy Consumption (kw-hirday): 9.7 4 Energy Consumption (kw-hirday): 1372 Pull Down Time (to 4C) (min): 19 0 25 50 75 100 125 0 120 240 360 480 600 720 WarmUp Time (4C to 15C) (min): 119	16	Uniformity(C):	
8 Energy Consumption (kw-hirday): 9.7 4		質 3 Stability(C):	3
8 Energy Consumption (kw-hirday): 9.7 4	12	1-min Door Opening Recovery to 4C (min):	
0 Energy Consumption (kw-hirday): 9,7 HeatRejection Rate (btu/frt): 1372 Pull Down Time (to 4C) (min): 19 0 25 50 75 100 125 0 120 240 360 480 600 720 WarmUp Time (4C to 15C) (min): 119		E 1 Interpretation of the property of the prop	5/5
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0 25 50 75 100 125 0 120 240 360 480 600 720 WarmUp Time(4Cto 15C) (min): 119		HeatRejection Rate (btu/hr):	1372
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Time Minutes		Talling line (10 to 50) (line)	119
Time, Minutes Time, minutes	Time,Minutes) Performance is nominal and individu	Time, minutes	

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