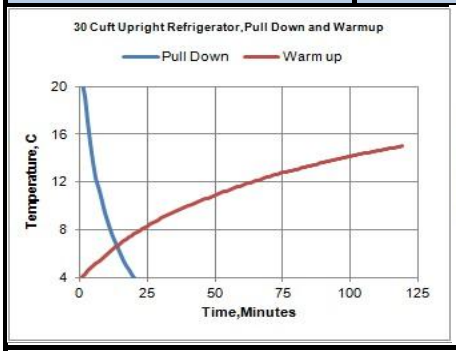
Technical Data Sheet

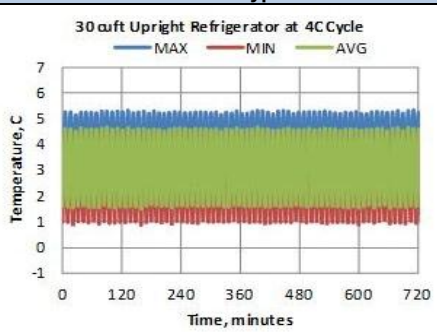
High Performance Laboratory Purpose Refrigerator

Revision-10

Thermo Fisher Scientific, Asheville, North Carolina

Specifications	Model Number
	RGL3004W
	Application, Rating and Electrical Data
Application	Laboratory Purpose (non-flammable) Refrigerator
Storage Volume	826 Liters/29.2 Cubic Feet
Temperature Rating	1°C to 8°C
Electrical Power	220-240V 50 Hz 1 Phase
Instrument Rated Current	6.0 FLA
Building Supply Rating	Breaker 15 Amps/230v±10 Volt while operating
Power Plug/Power Cord Length	P8 plug for W / IEC Cords, 3.048 Meters (10 feet)
Agency Listings	CE, FDA
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	Enviromentally Safe R134a
	Controller/Electrical System Configuration and Features
Controller Level	Eye Level
Power Switch	Keyed Off-On - Alarm
Controller Type	Microprocessor-Based IntrLogicTM Control
Setpoint Security / Programmable	Standard / Standard
Compressor Safe Guard	High Pressure Cutout Switch/High Temp Cutout Switch/Current protection
Control Sensor	Stainless Steel Shielded RTD
Remote Alarm Terminals	Standard
Power Failure Alarm	Standard
Standard Electronic chart Recorder	Optional
	Dimensions and Construction
Interior Dimensions (H x D x W)	147.3 H X 72.3 F-B X 76.2 W cm (58.0 H X 28.5 F-B X 30 W in.)
Exterior Dimensions (H x D x W)	199.7 H X 92.6 F-B X 86.4 W cm (78.6 H X 36.4 F-B X 340 W in.)
Insulation	5.08 cm (2.0") High Density HFC-blown Polyurethane Foam in cabinet
Door Perimeter heater	Yes
Shelves / Capacity	(4) Adjustable Wire Shelves / Max. Cap. per Shelf: 45 kg (100 lbs.)
All-Direction Casters	Yes
Ship Weight	197 kg / 435 lb.
Access Port / Dia	Yes / 1" diameter
	Typical Performance Characteristics





Test Unit Series Number or MSO Number:	19029-TS-T11
Cabinet Load:	Unloaded
Average Cabinet Temp at 4C Cycle (C):	3.1
Peak Variation from Setpoint (C):	+1.3 / -3.1
Uniformity (C):	1.4
Stability (C):	3
1-min Door Opening Recovery to 4C (min):	3
Duty Cycle at 4C (%):	49
Cycle (on/off) rate at 4C (min):	5 / 5
Energy Consumption (kw-hr/day):	9.7
Heat Rejection Rate (btu/hr):	1372
Pull Down Time (to 4C) (min):	19
Warm Up Time (4C to 15C) (min):	119

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 ommisions to this specification. Thermo Scientific cannot accept responsibility for damage, injury, loss or expenses resulting from misapplication of the information herein.