

Technical Data Sheet High Performance Laboratory Purpose Refrigerator

Revision-10

Thermo Fisher Scientific, Asheville, North Carolina

	Model Number	
	REL404V	
Specifications	Application, Rating and Electrical Data	
Application	Laboratory Purpose (non-flammable) Refrigerator	
Storage Volume	133 Liters/4.9 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	European plug for V / IEC Cords, 3.048 Meters (10 feet)	
Agency Listings	CE	
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	1/6 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	Ground 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	
Standard Electronic shart (tessings)	Dimensions and Construction	
Interior Dimensions (H x D x W)	50.8 H X 52.1 F-B X 50.8 W cm (20.0 H X 20.5 F-B X 20.0 W in.)	
Exterior Dimensions (H x D x W)	85.0 H X 66.0 F-B X 61.0 W cm (33.4 H X 26.0 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	(3) Adjustable Wire Shelves / Max. Cap. per Shelf: 45 kg (100 lbs.)	
All-Direction Casters	(3) Adjustable Wife Stielves / Max. Cap. per Stiell. 43 kg (100 lbs.)	
Ship Weight Access Port / Dia	100 kg / 220 lb. Yes / 1" diameter	
Access Folt/ Dia	Typical Performance Characteristics	
5 cuft Upright Refrigerator, Pull Down and Warm U	Total of the Control	19029-TS-Solid
Pull Down — Warm Up	MAX MIN AVG	l belooded
18	Cabinet Load: Average Cabinet Temp at 4C Cycle (C):	Unloaded 4.1
U 16	and the same of th	+2.37-3.2
ž 14	g 5 Uniformity (C): Stability (C):	0.8
8 14 10 10 8		4.5
8 10	1-min Door Opening Recovery to 4C (min):	3
8 10	Duty Cycle at 4C (%): Once (notificate at 4C (min):	43
6	Cycle (on/off) rate at 4C (min):	3 / 4
4	Energy Consumption (Invitatory).	4.5
0 10 20 30 40	-1 Heat Rejection Rate (btu/hi): 50 0 120 240 360 480 600 720 Pull Down Time (to 4C) (min):	640 12
Time, minutes	Time, minutes WarmUp Time (4C to 15C) (min):	44
Ø.	Training time (40 to 100) (1111).	77

- 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.

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