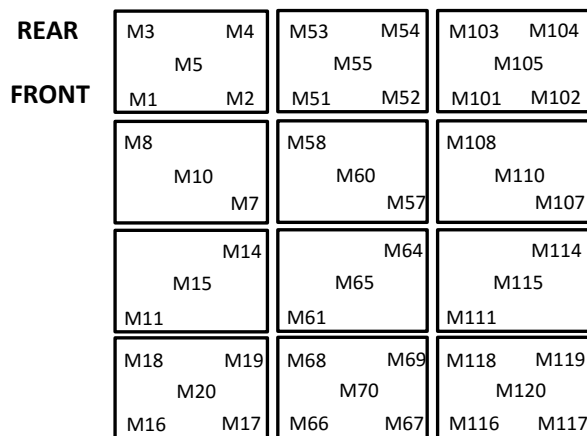




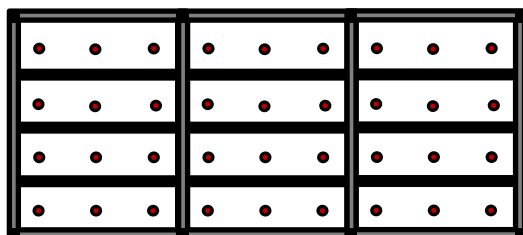
| Specifications  | Catalog Number   |
|---|--|
|   | TSG72RPGA  |
|   | Production Model Number  |
|   | TSG72RPGA  |
| Application, Rating and Electrical Data   |  |
| Application   | General Purpose Laboratory Refrigerator, Semi-Critical Sample Storage    |
| Storage Volume  | 72 Cuft / 1387 Liters  |
| Temperature Rating/Set Point  | 2°C to 10°C / 5°C  |
| Electrical Power  | 115 V / 60 Hz, 1 Phase   |
| Instrument Rated Current  | 6.2A   |
| Building Supply Rating  | Breaker 15 Amps/115v± 10%Volt While Operating                            |
| Power Plug/Power Cord Length  | Three prong NEMA 5-15P, 1.828 Meters (6 Feet)                            |
| Agency Listings   | cULus, Prop 65, Energy Star  |
| Sound Pressure Level  | 44.4 dBA   |
| 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   | Single speed Hermetic Compressor/1                                       |
| Condenser Type/Number   | Finned Tube and Forced Convection Cooled/1                               |
| Expansion Device  | Capillary Tube   |
| Evaporator Type   | Forced Air Evaporator Coil   |
| Defrost Method  | Adaptive Defrost   |
| Refrigerant Charge/Flammability   | 90 Grams / Flammable, R290   |
| Controller/Electrical System Configuration And Features   |  |
| Controller Type   | Digital Controller   |
| Controller Level  | Eye Level  |
| Key Switch  | Yes  |
| Compressor Safe Guard   | Overload Protector   |
| Control Sensor  | NTC Probe  |
| Remote Alarm Terminals  | Yes  |
| Power Failure Alarm   | Yes  |
| Dimensions And Construction   |  |
| Interior Dimensions (H x D x W)   | 81 x 75.7 x 32 in. (2057 x 1924 x 813mm)                                 |
| Exterior Dimensions (H x D x W)   | 61.75 x 72 x 28.5 in. (1569 x 1829 x 724mm)                              |
| Insulation  | Polyurethane foam wih R134a blowing agent                                |
| Door Perimeter heater   | Not Present  |
| Shelves / Capacity  | (12) Adjustable Wire Shelves. Max. Cap. per Shelf: 45 kg (100 lbs.)      |
| All-Direction Casters   | 4 Levelling feet   |
| Ship Weight   | Approximately 332kg (733lbs.)  |
| Access Port / Dia   | Yes / 1 Inch   |
| Typical Performance Characteristics   |  |
|   |  |
| <p>72 cuft Upright Refrigerator, Pull Down and Warm Up</p> <p>— Pull Down — Warm Up</p>   | <p>72 cuft Upright Refrigerator at 5C Cycle</p> <p>— MAX — MIN — AVG</p> |
| <p>Test Unit Series Number or MSO Number: 19733-A-10-9</p> <p>Cabinet Load: Unloaded</p> <p>Average Cabinet Temp at 5C Cycle (C): 5.4</p> <p>Stability (C): 2.2</p> <p>1-min Door Opening Recovery to 5C (min): 6</p> <p>Duty Cycle at 5C (%): 33</p> <p>Cycle (on/off) rate at 5C (min): 4 / 8</p> <p>Energy Consumption (kW-hr/day): 3.7</p> <p>Heat Rejection Rate (btu/hr): 521</p> <p>Pull Down Time (to 5C) (min): 50</p> <p>Warm Up Time (5C to 15C) (min): 151</p> <p>Sound (dBA): 44.4</p> |  |
| <p>1) Performance is nominal and individual units may vary.</p> <p>2) Refrigerator 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>   |  |

**Top View of Shelves**



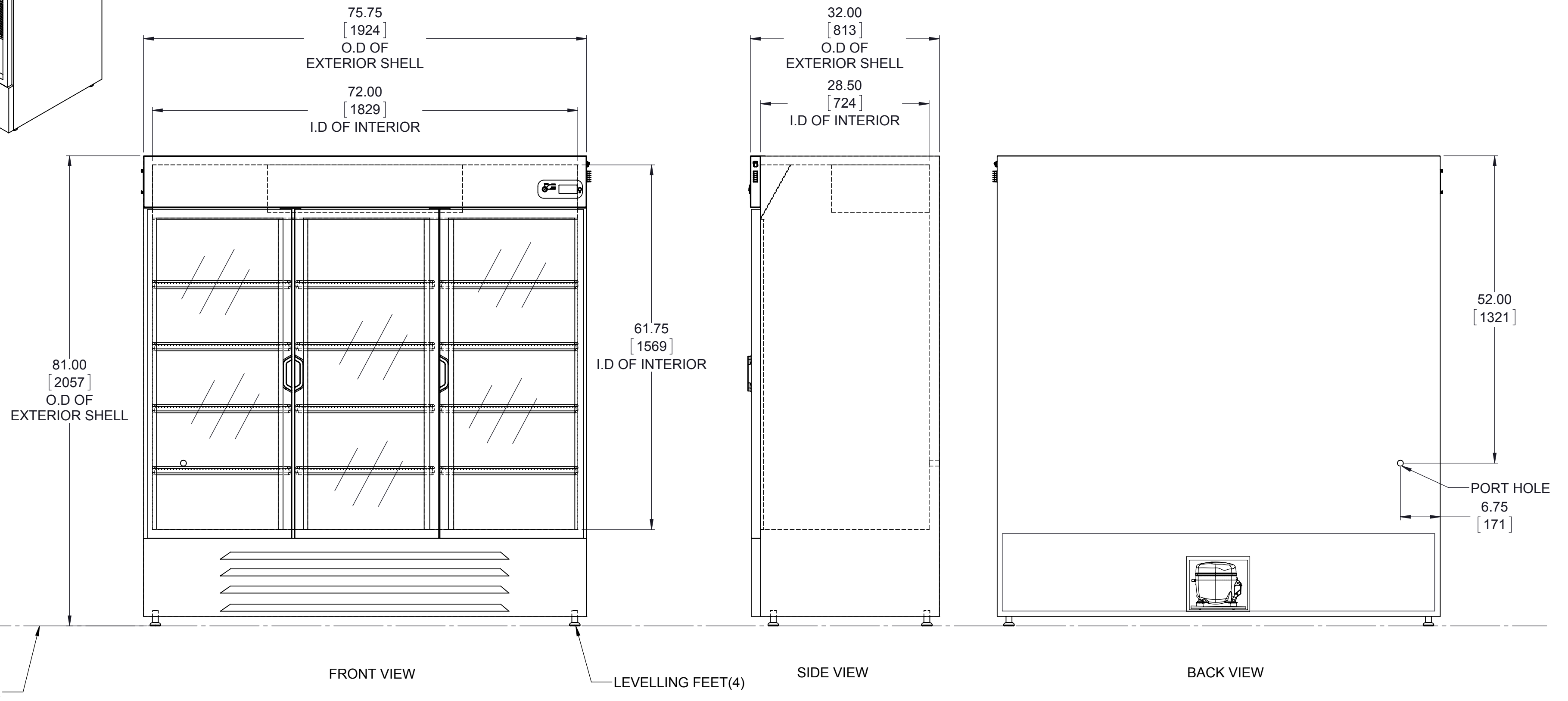
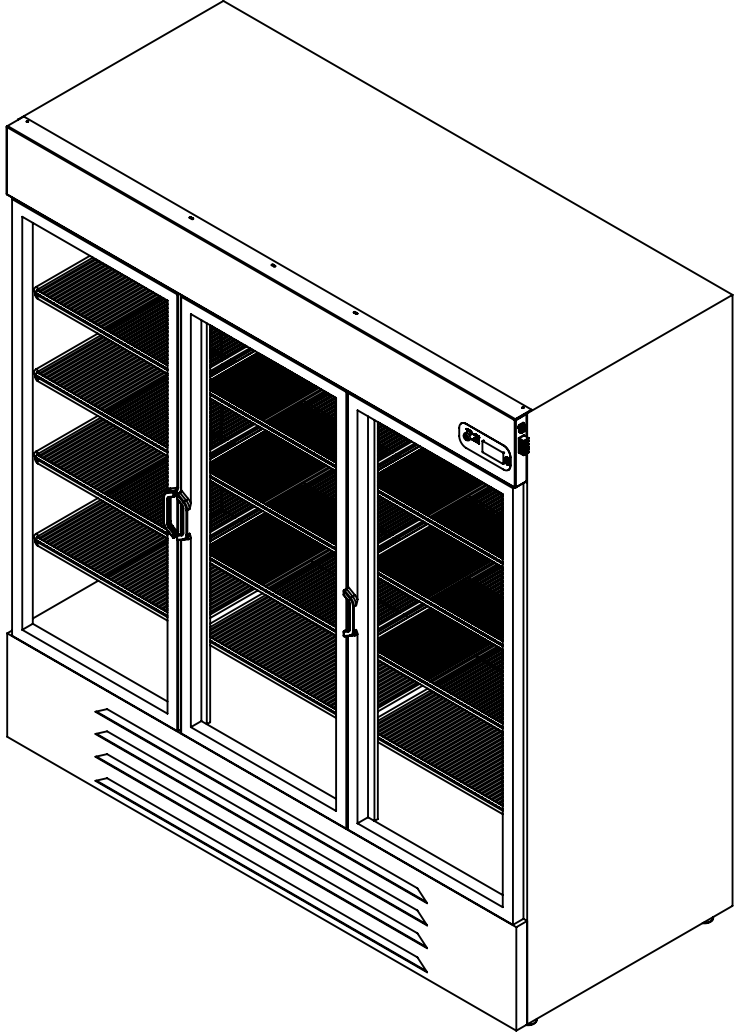
*Front View*

19733-A-10-9



**Cabinet Average:** 5.4 C  
**Probe Average:** 5.7 C

|           |         |          |         |         |         |         |
|-----------|---------|----------|---------|---------|---------|---------|
|           | M1      | M2       | M3      | M4      | M5      | M7      |
| Avg       | 5.6     | 5.9      | 5.9     | 5.6     | 5.4     | 5.3     |
| Max / Min | 6.5/4.5 | 6.8/4.9  | 6.7/5.2 | 6.5/4.5 | 6.3/4.3 | 6.3/4.1 |
|           | M8      | M10      | M11     | M14     | M15     |         |
| Avg       | 5.2     | 5.4      | 5.2     | 5.1     | 5       |         |
| Max / Min | 6.3/4.4 | 6.3/4.5  | 6.3/3.8 | 6.3/3.6 | 6.3/3.6 |         |
|           | M16     | M17      | M18     | M19     | M20     |         |
| Avg       | 5.5     | 5.4      | 5.5     | 5.2     | 5.2     |         |
| Max / Min | 6.6/4.1 | 6.4/4    | 6.4/4.3 | 6.2/3.8 | 6.3/3.7 |         |
|           | M51     | M52      | M53     | M54     | M55     | M57     |
| Avg       | 5.5     | 5.5      | 4.5     | 5.4     | 5.3     | 5.2     |
| Max / Min | 6.4/4.5 | 06.3/4.6 | 6.5/1.6 | 6.4/3.9 | 6.3/4.1 | 6.3/3.9 |
|           | M58     | M60      | M61     | M64     | M65     |         |
| Avg       | 5.4     | 5        | 5.3     | 5.1     | 5       |         |
| Max / Min | 6.2/4.5 | 6.3/2.9  | 6.3/4   | 6.3/3.5 | 6.2/3.5 |         |
|           | M66     | M67      | M68     | M69     | M70     |         |
| Avg       | 5.3     | 5.3      | 5.3     | 5.5     | 5.2     |         |
| Max / Min | 6.3/4.1 | 6.3/3.9  | 6.3/3.8 | 6.3/4.5 | 6.2/3.6 |         |
|           | M101    | M102     | M103    | M104    | M105    | M107    |
| Avg       | 5.4     | 5.3      | 5.8     | 5.8     | 5.9     | 5.7     |
| Max / Min | 6.3/4.2 | 6.3/4    | 6.5/5.1 | 6.6/5   | 6.6/5.2 | 6.4/5.1 |
|           | M108    | M110     | M111    | M114    | M115    |         |
| Avg       | 5.5     | 5.6      | 5.5     | 5.4     | 5.3     |         |
| Max / Min | 6.2/4.7 | 6.4/4.7  | 6.3/4.7 | 6.2/4.6 | 6.2/4.1 |         |
|           | M116    | M117     | M118    | M119    | M120    |         |
| Avg       | 5.5     | 5.4      | 5.3     | 5.3     | 5.6     |         |
| Max / Min | 6.3/4.6 | 6.2/4.5  | 6.2/4.2 | 6.2/4.1 | 6.4/4.6 |         |



**NOTE: DUAL DIMENSION IS INCHES OVER MILLIMETERS**  
DO NOT USE FOR ENGINEERING PURPOSES. SUBJECT TO CHANGE WITHOUT NOTICE.

**72cu.ft.**  
12 Shelves  
Triple Glass Door  
Top Mount Controls