

Specifications	Model Number
	TSG700REGCW
Application, Rating and Electrical Data	
Application	Storage of General (non-flammable) Laboratory Materials
Storage Volume	620Liters / 21.9 Cubic Feet
Factory Set Point	+5 °C
Set Point / Increment	+5 °C / 0.1 °C
Electrical Power / Rated Current	230V 50 Hz 1 Phase / 1.6A
Building Supply Rating	13A 250V
Power Plug/Power Cord Length	13 Amp 250V / 4 Meters (13 feet)
Agency Listings	CE
Standards and directives	2006/42/EC, 2014/30/EU, 2014/35/EU, 2011/65/UE, 2015/863/EU & 2012/19/EU
Electromagnetic Compatibility	Emissions (Class A), Immunity (Industrial Environment)
Indoor/Outdoor Usage	Indoor Use Only
Application Environment	Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation
Ambient Operating Temperature	15° C to 32° C (59° F to 90° F)

Refrigeration Configuration	
Refrigeration System	Vapor compression system
Compressor / Number / Capacity	Single speed / 1 / 236W
Condenser Type/Number	Forced-Air Cooled Finned-Tube Coil Heat Exchanger / 1
Expansion Device	Capillary Tube
Evaporator Type / Defrost Method	Forced Air Finned-Tube Coil Heat Exchanger / Automatic Defrost
Refrigerant Charge / Flammability	R290,90gms,GWP:3 ODP:0 / Flammable

Controller/Electrical System Configuration and Features	
Controller Level	Eye Level
Power Switch	On the Controller Main Screen
Controller Type	Electronic Controller with LCD display
Setpoint Security / Programmable	Yes / Yes
Compressor Safe Guard	Overload Protection (OLP)
Control Sensor	NTC Probe
Connectivity / Remote Outputs Terminals	Dry Contact (NO and NC)
Adjustable Warm / Cold Alarms	Fully Adjustable
Power Failure Alarm	Acoustic and Visual
Electronic Chart Recorder	Not Provided

Dimensions and Construction	
Interior Dimensions (H x D x W)	1505 mm x 686 mm x 600 mm (59.25" x 27" x 23.6")
Exterior Dimensions (H x D x W)	2085 mm x 840 mm x 750 mm (82.1" x 33.1" x 29.5")
Insulation	Polyurethane Foam 75 MM (2.95")
Door Perimeter heater	No
Shelves / Load Limit	4 Shelves / 30kg (66 lbs) per Shelf
Casters	2 Lockable Castors at the front & 2 Fixed Castors at the rear
Crated Shipping Weight	175kgs / 385.8 lbs

Typical Performance Characteristics	
<p style="text-align: center;">Pull Down and Warm Up</p>	<p style="text-align: center;">At 5C Cycle</p>
<p>Set Point 5°C @ 20°C Ambient</p> <p>Temperature (°C)</p> <p>Time (min)</p>	<p>Set Point 5°C @ 20°C Ambient</p> <p>Temperature (°C)</p> <p>Time (min)</p>
<p>Test Unit Series Number or MSO Number: 20297-A-8-5</p> <p>Cabinet Load: Unloaded</p> <p>Average Cabinet Temp (C): 5.22</p> <p>Peak Variation from Setpoint (C): -3.61/2.75</p> <p>Uniformity (C): 1.85</p> <p>Stability (C): 2.95</p> <p>1-min Door Opening Recovery(min): 6</p> <p>Cycle on Time(%): 20</p> <p>Cycle (on/off) Time (min): 3/12</p> <p>Energy Consumption (kw-hr/day): 0.85</p> <p>Heat Rejection Rate (btu/hr): 120.9</p> <p>Pull Down Time to setpoint:(Min) 27.12</p> <p>Warm Up Time to 15°C (min): 136</p> <p>Sound (dBA): 48.2</p>	

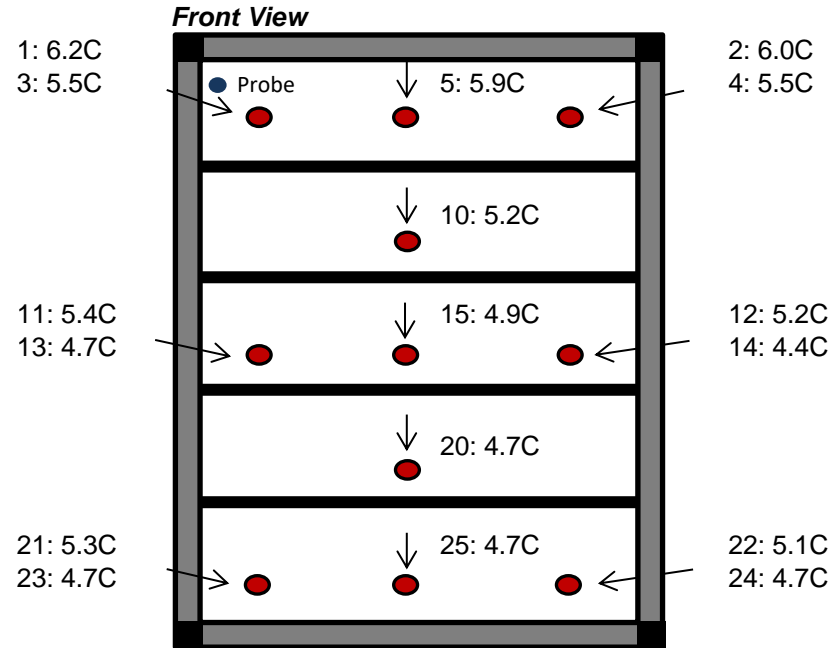
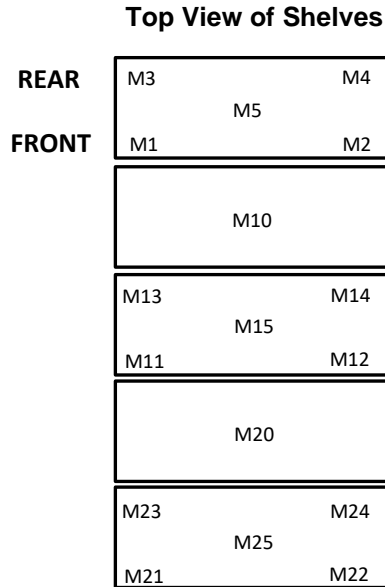
1) Performance is nominal and individual units may vary.
 2) Product performance will differ due to product amount, product size and operating conditions.
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Typical Cabinet Temperature Map
Refrigerator 22cuft , 4 Inner-Shelves + Base, Single Outer Door

Temperatures are averages during > 20 cycles after reaching a setpoint of 5C



20297-A-8-5

Cabinet Average: 5.1 C
Probe Average: 6.8 C
Peak Variation: +2.3 C / -3.7 C

	M1	M2	M3	M4	M5	M10	M11	M12	M13
Avg	6.2	6	5.5	5.5	5.9	5.2	5.4	5.2	4.7
Max	7.4	7.4	7.1	7.1	7.3	6.5	6.4	6.4	6
Min	4.3	3.4	2.2	1.6	3.2	3.1	3.6	3.4	2.3

	M14	M15	M20	M21	M22	M23	M24	M25
Avg	4.4	4.9	4.7	5.3	5.1	4.7	4.7	4.7
Max	6	6	5.9	6.3	6.3	5.9	5.8	5.8
Min	1.3	3.1	2.9	3.4	2.6	2.3	2.8	2.5

ONLY CABINET SHOWN FOR CLARITY IN TOP VIEW,
TO ILLUSTRATE INTERIOR DIMENSIONS

