

Specifications		Model Number	
		TSB400REGBV	
Application, Rating and Electrical Data			
Application	Storage of Blood Bags		
Storage Volume	347Liters /12.2 Cubic Feet		
Factory Set Point	+4 °C		
Set Point / Increment	+4 °C (User Not allowed to change)		
Electrical Power / Rated Current	230V 50 Hz 1 Phase / 1.6A		
Building Supply Rating	16A 250V		
Power Plug/Power Cord Length	16 Amp 250V / 3 Meters (10 feet)		
Agency Listings	CE0051		
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 / 616W		
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, 120gms, GWP:3 ODP:0 / Flammable		
Controller/Electrical System Configuration and Features			
Controller Level	Eye Level		
Power Switch	On the Controller Main Screen		
Controller Type	7" TFT LCD Touch Screen: Digital display, Automatic defrost system		
Setpoint Security / Programmable	Yes / Yes		
Compressor Safe Guard	Overload Protection (OLP)		
Control Sensor	PT100 probe (free contacts)		
Connectivity / Remote OutputsTerminals	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)	1405 mm x 493 mm x500 mm (55.3" x 19.4" x 19.7")		
Exterior Dimensions (H x D x W)	1955 mm x 655 mm x600 mm (77" x 25.8" x 23.6")		
Insulation	70 mm (2.75") Back & 50mm(1.96") Sides Polyurethane Foam		
Door Perimeter heater	No		
Shelves / Load Limit	6 extractable aluminum drawers / 30kg (66 lbs) per Shelf		
Casters	2 Lockable Castors at the front & 2 Fixed Castors at the rear		
Non-Crated Shipping Weight	150 kg / 330.7 lbs		
Typical Performance Characteristics			
Set Point 4°C @ 20°C Ambient 		Set Point 4°C @ 20°C Ambient 	
Test Unit Series Number or MSO Number: DME0402B-78075 Cabinet Load: Unloaded Average Cabinet Temp (C): 4.78 Peak Variation from Setpoint (C): -1.27/1.84 Uniformity (C): 1.02 Stability (C): 1.59 1-min Door Opening Recovery(min): 7 Cycle on Time(%): 26.67 Cycle (on/off) Time (min): 4/11 Energy Consumption (kw-hr/day): 1.4 Heat Rejection Rate (btu/hr): 199.04 Pull Down Time to setpoint (Min): 32 Warm Up Time to 15°C (min): 247 Sound (dBA): 50.3			

1)Performance is nominal and individual units may vary.

2)Product performance will differ due to product amount, product size and operating conditions.

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.

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Typical Cabinet Temperature Map
Refrigerator 12cuft , 6 Drawers, Single Outer Door

Temperatures are averages during > 20
cycles after reaching a setpoint of 4C

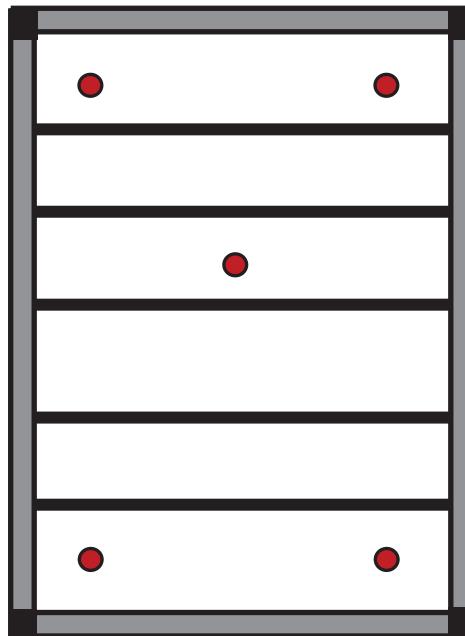
Top View of Shelves

M3	M4
M5	
M1	M2
M15	
M28	M29
M26	M27

REAR

FRONT

FRONT VIEW



	M1	M2	M3	M4	M15
Avg	5.3	4.8	5.1	4.5	4.6
Max	5.8	5.6	5.8	5.5	5.2
Min	4.9	4.1	4.3	2.7	3.5
	M26	M27	M28	M29	
Avg	4.9	4.6	4.7	4.5	
Max	5.3	5	5.3	5.3	
Min	4.5	4	3.7	2.9	

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

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