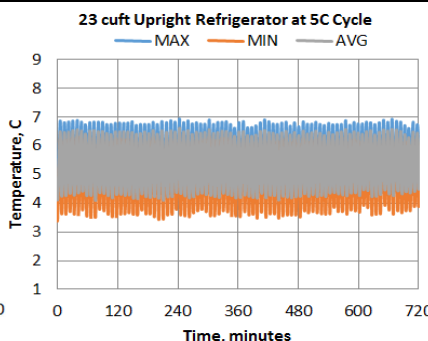
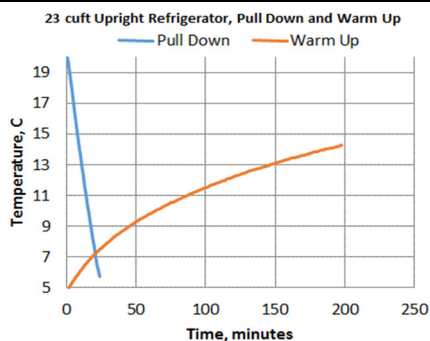


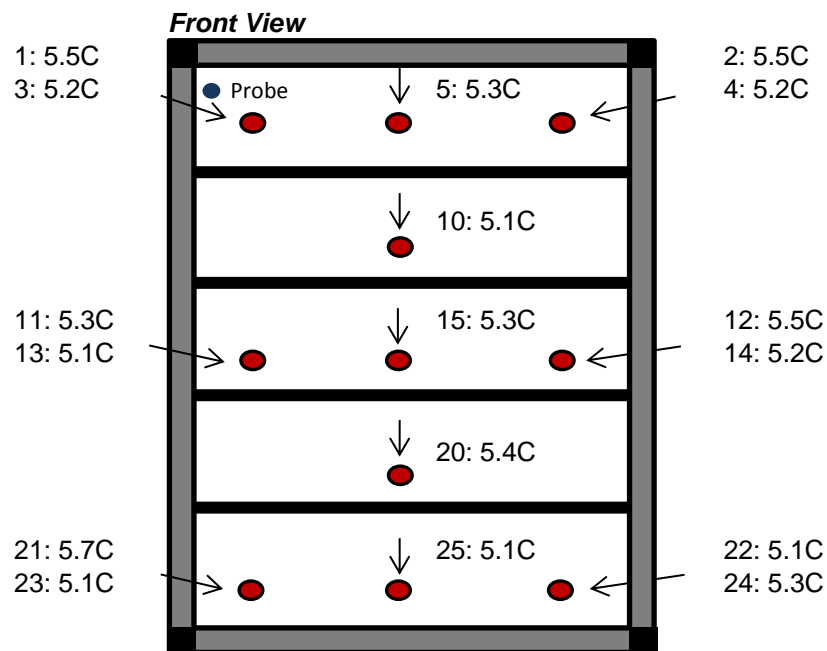
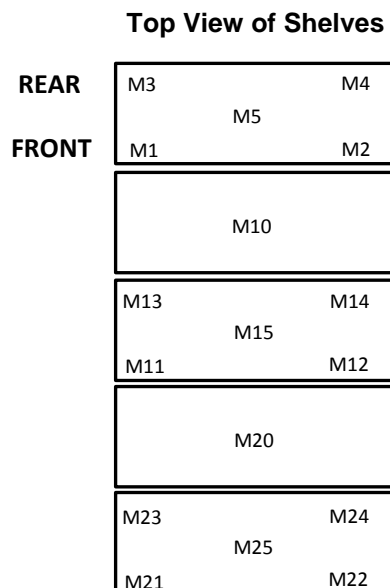
Specifications	Catalog number
	TSX2305CV
	Model Number
	TSX2305CV
Application, Rating and Electrical Data	
Application	Chromatography (non-flammable) Refrigerator
Storage Volume	650 Liters / 23.0 Cubic Feet
Factory Set Point	5°C
Set Point Range/Adjustable Increment	3°C to 7°C / 0.1°C
Electrical Power / Rated Current	208-230V 50/60 Hz 1 Phase / 2.3A (Unit) / 4A (Internal Outlet)
Building Supply Rating	15A dedicated grounded non-GFCI circuit. Protected by circuit breaker rated for inductive loads
Power Plug/Power Cord Length	(2X) 16 Amp (CEE 7/7) / 3.048 Meters (10 feet)
Agency Listings	CE, UL, cUL
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 / Capacity	Hermetic Variable Capacity Compressor / 1 / 286W
Condenser Type/Number	Microchannel and Forced-Air Cooled / 1
Expansion Device	Capillary Tube
Evaporator Type / Defrost Method	Forced Air Evaporator Coil / Automatic Defrost
Refrigerant Charge / Flammability	Environmentally Safe R290 / Flammable
Controller/Electrical System Configuration and Features	
Controller Level	Eye Level
Power Switch	Keyed Off-On - Alarm
Controller Type	IntrLogic Control System: Digital display, Graphic thermometer, Automatic defrost system
Setpoint Security / Programmable	Yes / Yes
Compressor Safe Guard	Current protection
Control Sensor	Single RTD (1000 ohm shielded Platinum RTD)
Remote Alarm Terminals	Standard
Adjustable Warm / Cold Alarms	Fully Adjustable
Power Failure Alarm	Standard
Electronic Chart Recorder	Optional
Dimensions and Construction	
Interior Dimensions (H x D x W)	1473 mm x 723 mm x 610 mm (58.0" x 28.5" x 24.0")
Exterior Dimensions (H x D x W)	1994 mm x 962 mm x 711 mm (78.5" x 37.8" x 28.0")
Insulation	5.08 cm (2.0") High-Density Water-Blown Polyurethane Foam
Door Perimeter heater	Yes
Shelves / Load Limit	(2) Adjustable Half Wire Shelves / Max. Cap. per Shelf: 22.5 kg (50 lbs.)
All-Direction Casters	Locking Casters
Shipping Weight	190 kg / 418 lb
Typical Performance Characteristics	



Test Unit Series Number or MSO Number:19585-B-36

Cabinet Load:	Unloaded
Average Cabinet Temp at 5C Cycle (C):	5.3
Peak Variation from Setpoint (C):	+2 / -1.6
Uniformity (C):	0.8
Stability (C):	2.6
1-min Door Opening Recovery to 5C (min)	3
Duty Cycle at 5C (%):	20
Cycle (on/off) rate at 5C (min):	2 / 7
Energy Consumption (kw-hr/day):	3.8
Heat Rejection Rate (btu/hr):	537
Pull Down Time (to 5C) (min):	24
Warm Up Time (5C to 15C) (min):	198
Sound (dBA):	52

- Performance is nominal and individual units may vary.
- Product performance will differ due to product amount, product size and operating conditions.
- 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.



19585-B-36

**Cabinet Average:** 5.3 C  
**Probe Average:** 5.5 C  
**Peak Variation:** +2.0 C / -1.6 C

	M1	M2	M3	M4	M5	M10	M11	M12	M13
Avg	5.5	5.5	5.2	5.2	5.3	5.1	5.3	5.5	5.1
Max	6.7	6.6	6.6	6.6	6.5	6.7	6.6	6.6	6.7
Min	4.3	4.6	3.9	4	4.2	3.5	4.2	4.4	3.4

	M14	M15	M20	M21	M22	M23	M24	M25
Avg	5.2	5.3	5.4	5.7	5.1	5.1	5.3	5.1
Max	6.7	6.5	6.6	7	6.5	6.4	6.6	6.8
Min	3.7	4.2	4.5	4.4	3.8	3.9	4.2	3.4

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

