

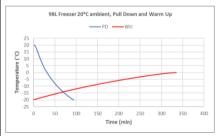
## **Technical Data Sheet**

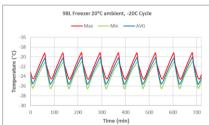
## Thermo Scientific General Purpose Freezer

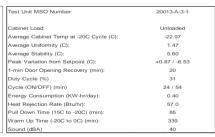
Revision-0

Thermo Fisher Scientific, Asheville, North Carolina

	Thermo Fisher Scientific, Asheville, North Carolina									
	Catalog/Model Number 98F-AEW-TSC Application, Rating and Electrical Data									
Specifications										
Application	General Purpose Undercounter Lab Freezer (Non-Flammable)									
Storage Volume	Gross (98L) / Net (84L)									
Set Point / Temperature Range	-20°C / -18°C to -25°C									
Electrical Power	220-240V, 50Hz									
Instrument Rated Current	0.62 A									
Building Supply Rating	Breaker 16 Amps / 230V±10%Volt While Operating									
Power Plug/Power Cord Length	13A EU Plug / 2M Long (Ships with UK Adapter)									
Agency Listings	CE									
Indoor/Outdoor Usage	Indoor Use Only									
Application Environment	Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation, 15°C - 32°C (59°F - 90°F)									
	Refrigeration Configuration									
Refrigeration System	Vapor Compression System									
Compressor	(1) Hermetically Sealed Compressor									
Evaporator Type	Aluminum Tube Serpentine Coil (Concealed)									
Condenser Type	Stainless Steel Tube Serpentine Coil (Concealed)									
Expansion Device	Capillary Tube									
Defrost Method	Manual Defrost									
Refrigerant (Charge)	R600a (58g) / Environmentally Safe / Flammable									
	Controller/Electrical System Configuration and Features									
Controller Level	Below Eye Level									
Power Switch	No									
Controller Type	3 DIGIT 17 mm X 9 mm LED with Keypad									
Control Sensor	(1) NTC Air Sensor (Thermistor)									
Compressor Safeguard	High Temp Cut-Out									
Remote Alarm Terminals	Yes									
Alarms	Yes, Audible and Visual (Temperature Range, Door Ajar)									
Data Logger	No									
	Dimensions and Construction									
Interior Dimensions (W x D x H)	420 mm x 440 mm x 650 mm (STEP 420 mm x 275 mm x 210 mm)									
Exterior Dimensions (W x D x H)	599 mm x 658 mm x 850 mm									
Insulation	Polyurethane Foam (with Cyclopentane Blowing Agent)									
Door Perimeter Heater	Compressor Discharge Tube as Door Frame Heater									
Shelves	(3) Glass Shelves / Plastic Drawers									
Leveling Feet	(4) Adjustable									
Ship Weight	60.8 kg									
Access port	Yes,16 mm, Rear LH Corner									
·	Typical Performance Characteristics									





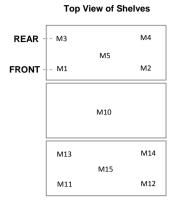


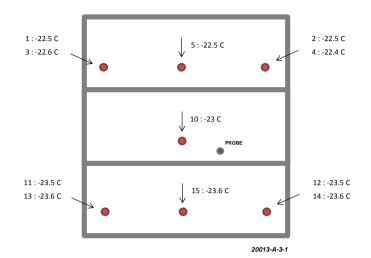
- 1) Performance is nominal and individual units may vary.
- Freezer performance will differ due to product amount, product size and operating conditions.
   Continuous product enhancements may, without notice, result in amendments or ommisions to this specification. Thermo Scientific  $cannot\ accept\ responsibility\ for\ damage,\ injury,\ loss\ or\ expenses\ resulting\ from\ misapplication\ of\ the\ information\ herein.$

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Typical Cabinet Temperature Map 98L W-Volt Freezer; 3 Shelves/Drawers; Single Outer Door

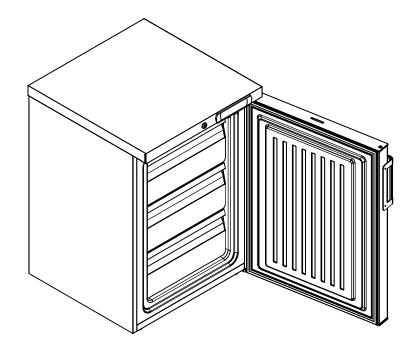




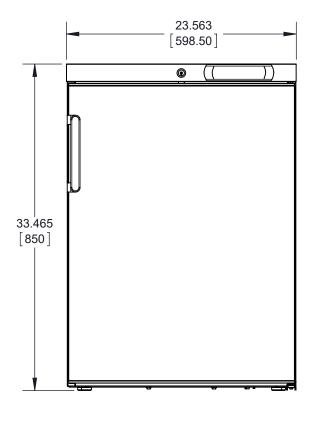
Cabinet Average: -22.97°C
Probe Average: -20.7°C
Peak Variation: +0.87 / -6.53°C

	M1	M2	М3	M4	М5	M10	M11	M12	M13	M14	M15
Avg	-22.5	-22.5	-22.6	-22.4	-22.5	-23.0	-23.5	-23.5	-23.6	-23.6	-23.6
Max	-19.3	-19.5	-19.2	-19.1	-19.3	-20.9	-20.6	-20.8	-20.7	-20.9	-20.7
Min	-25.1	-25.0	-25.5	-25.3	-25.3	-24.6	-26.3	-26.3	-26.3	-26.5	-26.5

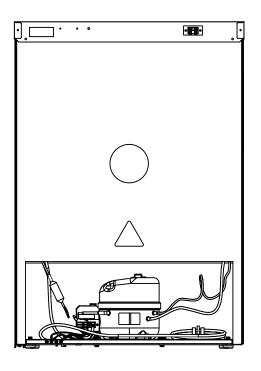
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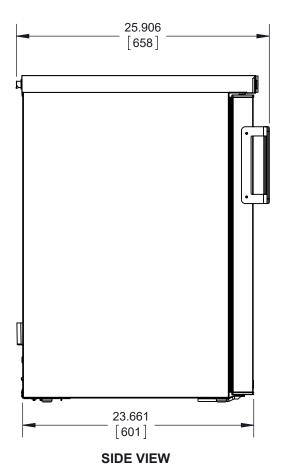
ISOMETRIC VIEW WITH DOOR OPEN



**FRONT VIEW** 



**REAR VIEW** 



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