

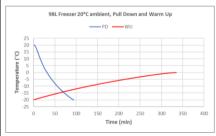
Technical Data Sheet

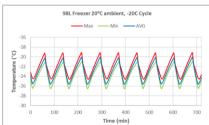
Thermo Scientific General Purpose Freezer

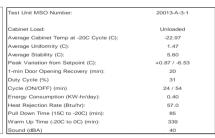
Revision-0

Thermo Fisher Scientific, Asheville, North Carolina

Thermo Fisher Scientific, Asheville, North Carolina									
	Catalog/Model Number 98F-AEW-TS 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	41.8 kg								
Access port	Yes,16 mm, Rear LH Corner								
	Typical Performance Characteristics								





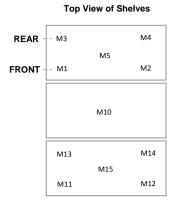


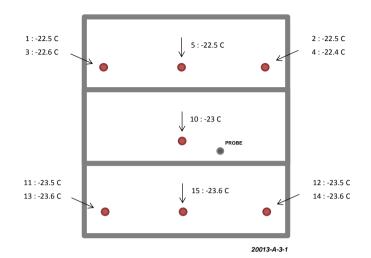
- 1) Performance is nominal and individual units may vary.
- Freezer performance will differ due to product amount, product size and operating conditions.
 Continuous product enhancements may, without notice, result in amendments or ommisions to this specification. Thermo Scientific $cannot\ accept\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

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

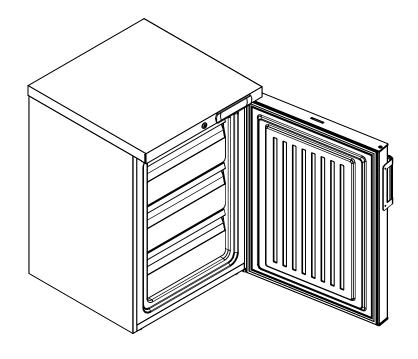




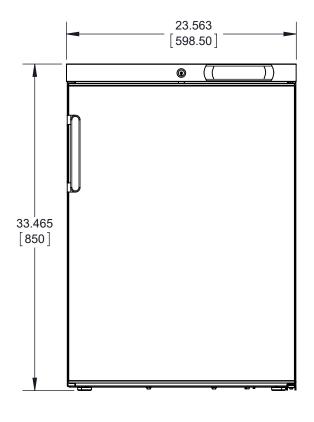
Cabinet Average: -22.97°C
Probe Average: -20.7°C
Peak Variation: +0.87 / -6.53°C

	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

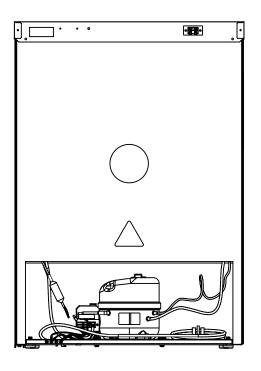
thermoscientific



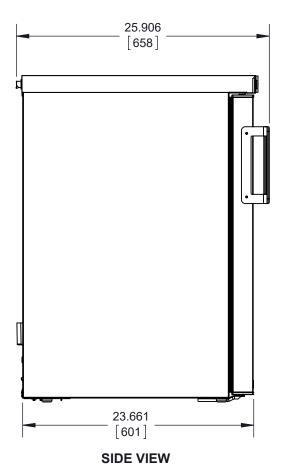
ISOMETRIC VIEW WITH DOOR OPEN



FRONT VIEW



REAR VIEW



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