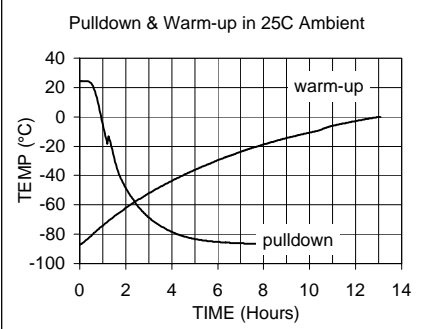
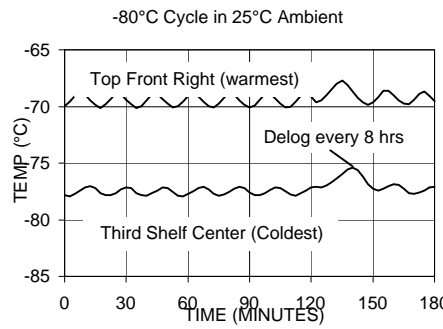


Technical Data Sheet

Revco Ultra-Low Freezer Models ULT1386-3,5,9-A36 with Legaci Refrigeration System

Kendro Laboratory Products, Inc., Asheville, North Carolin

Specifications		Model Number	
		ULT1386-3-A36 (Value)	ULT1386-5-A36 (Elite)
		ULT1386-9-A36 (Ultima II)	
Application, Rating and Electrical Data:			
Application	Storage of General Laboratory Materials		
Storage Volume	13.4 Cubic Feet / 379 Liters		
Temperature Rating	-40°C to -86°C @ 90°F(32 °C) Ambient		
Electrical Power	115 Volts -1 Phase - 60Hz		
Rated Amps/Breaker	16 / 20		
Power Plug/Power Cord Length	NEMA 5-20P / 10 Feet (3.05 Meters)		
Sound Pressure Level (dBA)	61.2 @ 5ft in front, 5 ft high		
Agency Listings	UL, CuL		
Indoor/Outdoor Usage	Indoor Use Only		
Application Environment	Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation, 59° F-90° F (15-32°		
Refrigeration Configuration			
Refrigeration System	Legaci Cascade		
Compressor / Number	1.0 hp Copeland® Compressor: Design for Low Temperature Application / 2		
Condenser Type/Number	Enhanced Finned-Tube / Forced-Air Cooled / 1		
Expansion Device	Capillary Tube On First and Second Stages		
Evaporator Type	Cold Wall With Enhanced Heat Transfer Treatment		
Defrost Method	Manual Defrost		
Refrigerant Charge	R134a/R404a in First Stage; R404a/R508b(Suva95) in Second Stag		
Controller/Electrical System Configuration and Features			
Controller Level	Lower		Eye Level
Power Switch	Keyed On-Off		
Controller Type	Microprocess Control		Microprocessor-Based IntrLogic Control
Setpoint Security	N/A	N/A	Yes
Compressor Safe Guard	N/A	N/A	Yes
Control Sensor	Single RTD		
RS232/Remote Alarm Terminals	Remote Alarm Only	RS232/Remote Alarm Terminals	
Power Surge Protector	N/A	Standard	
Adjustable Warm/Cold Alarms	WA at +12% of Set Point	Standard Audible	
Auto-Voltage Safeguard	12 VAC Auto-Boost		
Dimensions and Construction			
Interior Dimensions	50.5"H X 19.5" F-B" X 23.5" W(128.3 H cm X 49.5 F-B cm X 59.7 W cm)		
Exterior Dimensions	77.5"H X 29.75" F-B X 33.5" W(197 H cm X 75.6 cm F-B cm X 85.1 W cm)		
Insulation	5 in. (12.7 cm) High Density HFC-blown Polyurethane Foam (R=42)		
Perimeter Heater	Hot Gas Halo Line		
Shelves / Capacity	4 Stainless Steel Shelves Adjustable In 1" Increment; Maximum Capacity/Shelf: 105 Lbs. (48 kg)		
All-Direction Casters/Level Legs	Standard		
Ship Weight	Approximately 545 lbs. / 247 Kg		
Other Options	Electronic Recorder	Electronic Recorder and CO2 Back-Up System	
Performance Characteristics in 25°C Ambient			
			
		Test Ambient: 25°C Load: Empty Sensor weighting: 1.5ml Avg. stability: 1.5°C Avg. uniformity: 8.2°C Cycle rate (on/off): 11 Minutes / 6.0 Minutes Avg. energy consumption: 19.1 kW-hr/day Avg. heat rejection: 2717 Btu/hr (796 W) Reserve capacity: 400 Btu/hr @25°C ambient -80°C center air temperature	
*Data is based on Typical Performance			
1) Performance is nominal and individual units may vary. 2) Freezer 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. Kendro Laboratory Products cannot accept responsibility for damage, injury, loss or expenses resulting from misapplication of the information herein.			