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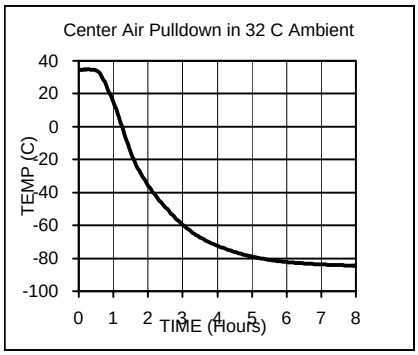
Technical Data Sheet

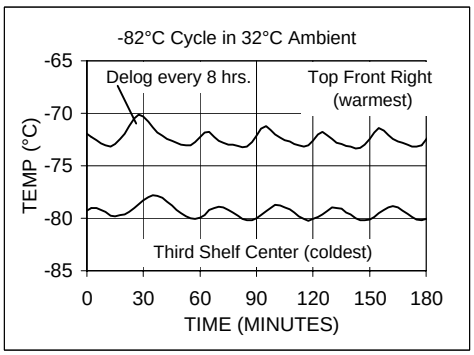
Revco Ultra-Low Freezer Models ULT2186-3,5,7,9-A35 with Legaci™ Refrigeration System

Kendro Laboratory Products, Asheville, North Carolin

Specifications	Model Number			
	ULT2186-3-A35 (Value)	ULT2186-5-A35(Elite)	ULT2186-7-A35 (Ultima)	ULT2186-9-A35 (Ultima II)
Application, Rating and Electrical Dat				
Application	Storage of General Laboratory Materials			
Storage Volume	20.2 Cubic Feet / 572 Liters			
Temperature Rating	-40°C to -86°C @ 90°F(32 °C) Ambient			
Electrical Power	115/60/1			
Rated Amps/Breaker	16.0/20.0			
Power Plug/Power Cord Length	NEMA 6-20P / 8.3 Feet (2.5 Meters)		NEMA 6-20P/ 7.0 Feet (2.1 Meters)	
Sound Pressure Level (dBA)	61.2 @ 5ft in front, 5 ft high			
Agency Listings	UL, CUL, TUV, CE			
Indoor/Outdoor Usage	Indoor Use Only			
Application Environment	Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation, 59° F-90° F (15-32°			
Refrigeration Configuratior				
Refrigeration System	Legaci™ Cascade			
Compressor / Number	1.0 hp Copeland® Compressor: Legaci™ 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; 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	N/A	Standard Audible		
Auto-Voltage Safeguard	12 VAC Auto-Boost			
Dimensions and Constructior				
Interior Dimensions	50.5"H X 24.25" F-B" X 28.5" W(128.3 H cm X 61.6 F-B cm X 72.4 W cm)			
Exterior Dimensions	77.5"H X 33.5" F-B X 38.5" W(197 H cm X 85 F-B cm X 97.8 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: 100 Lbs.			
All-Direction Casters/Level Legs	Standard			
Ship Weight	Approximately 690 lbs. / 313 Kg			
Other Options	Electronic Recorder	Electronic Recorder and CO2 or LN2 Back-Up Systen		

Typical Performance Characteristics in 32°C Ambien





Ambient: 32°C
Load: Empty
Sensor weighting: 1.5ml
Avg. stability: 1.5°C
Avg. uniformity: 7.5°C
Cycle rate (on/off):20 Minutes /6.0 Minutes
Avg. energy consumption: 20.3 kW-hr/day
Avg. heat rejection: 2900 Btu/hr (850 W)
Reserve capacity: 350 B/hr @25°C ambient
-80°C center air temperature

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 ommisions to this specification. Kendro cannot accept responsibility for damage, injury, loss or expenses resulting from misapplication of the information herein.

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