

**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)
<b>Application, Rating and Electrical Data:</b>			
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°		
<b>Refrigeration Configurator</b>			
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		
<b>Controller/Electrical System Configuration and Features</b>			
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		
<b>Dimensions and Construction</b>			
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		
<b>Other Options</b>	Electronic Recorder	Electronic Recorder and CO2 or LN2 Back-Up System	
<b>Typical Performance Characteristics in 32°C Ambient</b>			
<p>Center Air Pulldown in 32 C Ambient</p> <p>TEMP (°C)</p> <p>TIME (Hours)</p>	<p>-82°C Cycle in 32°C Ambient</p> <p>TEMP (°C)</p> <p>TIME (MINUTES)</p> <p>Delog every 8 hrs.</p> <p>Top Front Right (warmest)</p> <p>Third Shelf Center (coldest)</p>	<p>Ambient: 32°C</p> <p>Load: Empty</p> <p>Sensor weighting: 1.5ml</p> <p>Avg. stability: 1.5°C</p> <p>Avg. uniformity: 7.5°C</p> <p>Cycle rate (on/off):20 Minutes /6.0 Minutes</p> <p>Avg. energy consumption: 20.3 kW-hr/day</p> <p>Avg. heat rejection: 2900 Btu/hr (850 W)</p> <p>Reserve capacity: 350 B/hr @25°C ambient</p> <p>-80°C center air temperature</p>	
<p>1) Performance is nominal and individual units may vary.</p> <p>2) Freezer performance will differ due to product amount, product size and operating conditions.</p> <p>3) Continuous product enhancements may , without notice, result in amendments or omissions to this specification. Kendro cannot accept responsibility for damage, injury, loss or expenses resulting from misapplication of the information herein.</p>			