



**GENEVA SCIENTIFIC**  
LAB EQUIPMENT SOLUTIONS

**-86 C Ultra Low Temperature Freezer - AU12**



Model	DW-86L388J
Exterior Dimensions (WxDxH)	32" x 35.2" x 78"
Interior Dimensions (WxDxH)	18.3" x 24.8" x 51.6"
Temp Range	-40°C ~ -86°C
Interior Capacity	13.7 cu.ft./388 L
Shelves/Inner doors	3/2
Sound Level (dB(A))	50
Defrost Mode	Manual

**Scope of Application**

\*The Ultra Low Temperature freezer is the most energy efficient, low noise and reliable performance of its kind. It can be used for the storage and protection of valuable samples which require strict and continuous storage conditions, designed to operate even in the event of a compressor failure

**Energy Saving Refrigeration**

\*VIP (Vacuum Insulation Panel) design with extra insulation cuts down on heat loss to cabinet by 25% and helps reduce energy consumption by more than 20%, power consumption only 8.5 kWh/day

**Slim Design**

\*Easily fits through every standard lab door and takes a small footprint

**Reliable**

\*Cabinet temperature can reach -86°C with temp uniformity within 5°C

**USB Port**

\*Enables users to download in real-time temperature data

**Multi-layer Sealing Structure**

\*Double foam combination with an inside and outside five-layer seal gasket design. Using the super-thick VIP, heat preservation insulation increases efficiency by 20%. The whole freezer achieving energy savings of 50%

**Microprocessor**

\* Microprocessor electronic temperature controller, LCD digital temperature display.  
\*Multiple alarms including high and low temperature, sensor error, power failure, door ajar, high ambient and remote alarm.  
\*Alarm mode: sound and light alarm.  
\*Capable of connecting to remote alarm.

**Noise**

\*Super silent and energy-saving fan combined with special noise reduction cabinet design lowering the noise level to 50 dB(A).

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### Filter

\*Located at the front of the engine compartment, the filter can be removed without tools allowing for cleaning and easy maintenance

### Improved Handle Design

\*Lockable handle safeguards samples. A padlock can also be added for extra sample safety

### Shelves

\*Three (3) stainless steel adjustable shelves (23.7"W x 27.7"D) with max capacity of 88.2 lbs per shelf spaced to ensure superior temperature uniformity within the cabinet

### Adjustable Legs

\*4 casters, with 2 manually adjustable stabilizer for leveling, which ensures the unit is easy to move and lock

### Chart Recorder

\*Will independently record and monitor the temperature data

### Electrical Requirements

\*Consult Geneva Scientific for electrical requirements and amperage draw

### Certified

\*UL and Energy Star certified and conform to the U.S. national-grade Rebate Program

### Options

#### \*Wireless Monitoring Connectivity

\*Check real-time operating status via mobile phone or palmtop, simple and reliable



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Specifications are subject to change without notice.  
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