

accucold®

-86°C



Performance Plus
Dual Shield

SKU: AULT780DC

27.5 Cu.Ft. Ultra Low Freezer

77 1/2" H x 48 3/4" W x 40 1/2" D (1969 mm H x 1238 mm W x 1029 mm D) | 27.5 cu.ft. (780 L)

Purpose-built for the long-term storage and reliable protection of high value, temperature-sensitive products and biological materials



Advanced Temperature Control

- 10" LED touchscreen allows intuitive operation & data management
- Adjustable operating control range from -86°C to -40°C
- Stable interior stays within 3.1°C of the setpoint
- Digital display of the min/max and ambient temperature
- Easy viewing of temperature records, data curves, alarm history, door openings, & user logins
- Message board function for staff communication
- Inventory storage management system
- Bluetooth & WiFi connectivity
- Stores up to 10 years of operational data for optimum record-keeping



Fully Featured Interior for Convenient Storage

- Dual voltage design with a 115V and 220V plug included
- Adjustable stainless steel shelves included
- Optional freezer box racks
- Access ports to accept additional monitoring equipment
- Ergonomic handle for easy but secure opening
- Locking door with two keys, plus spacing to accept padlock
- Universal interior design accommodates racks
- Heavy duty casters allows easy mobility
- Whisper quiet to not disturb workflow



Trusted Security & Temperature Monitoring

- Electronic & mechanical door lock, with optional facial recognition, fingerprint, & NFC card access
- Audible and visual alerts
- Open door alert if the door is left ajar for over a minute
- Sensor alerts for ambient temperature, interior temperature, & condenser
- High/low internal temperature alarm
- Low battery detection
- Power outage alert
- USB port included for easy data export
- Remote alarm terminal in rear



Quality Design for Reliable Performance

- Dual Shield protection with two independent compressors that ensure temperature is maintained at -80°C in the event of compressor failure
- ENERGY STAR® certified
- Environmentally-friendly natural hydrocarbon refrigerant for reduced global warming potential Meets EPA and SNAP requirements
- Insulated inner door for an added layer of protection
- VIP vacuum insulation improves capacity and stabilizes performance
- Fast temperature recovery with accelerated pulldown



ULTRA LOW
Operates as low as -86°C
for sensitive biological
and laboratory storage



EXTENDED WARRANTY
5-year parts & labor
12-year compressor



DUAL SHIELD PROTECTION
Two redundant compressors ensure no downtime



DUAL VOLTAGE
Can switch from 115V
to 220V connections
(2 plugs included)

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AULT780DC Specifications

Overview

Height	77.5" / 1969 mm
Width	48.75" / 1238 mm
Depth	40.5" / 1029 mm
Depth with Door at 90°	80" / 2032 mm
Capacity	27.5 cu.ft. / 780 L
Defrost Type	Manual
Exterior	White
Electrical Safety	UL, cUL
ENERGY STAR® Certified	Yes
Amps	14.83
Voltage/Frequency	115V/60 Hz / 220V/60 Hz
Plug	(1) NEMA 5-15P (1) NEMA 6-15P
Weight	730 lbs. / 331 kg.
Shipping Weight	865 lbs. / 393 kg.
Shipping Dimensions	84" x 55" x 50" / 2134 x 1397 x 1270 mm
Parts & Labor Warranty	5 years
Compressor Warranty	12 years

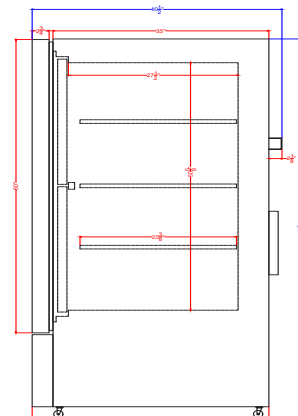
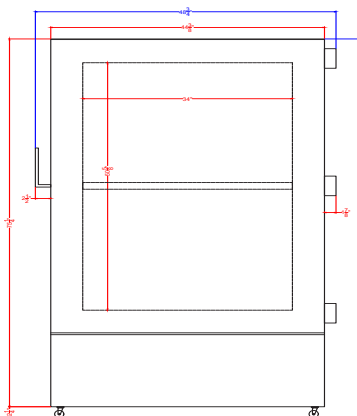
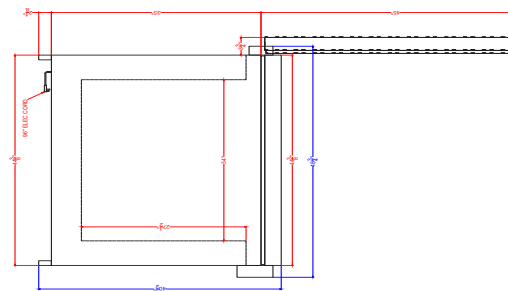
Freezer Features

Casters	4
Daily Energy Consumption	8.5 kWh
Door Swing	RHD
Inner Door	2
Shelf Type	Stainless Steel
Shelf Qty	3
Adjustable Shelving	Yes
Shelf Load	up to 123 lbs. / 56 kg.
Thermostat	Microprocessor w/10" HD Intelligent Touchscreen
Password Protected	Yes
Data Management	Records every 5 minutes to USB
Refrigerant Type	HC mixed gas (R600a, R1150, R50)
Compressor	(2) Redundant
Compressor Power	1705 BTU
Temperature Range	-86° to -40°C
Temperature Uniformity	3.1°C
Sound level	51.6 dB
Mechanical Lock	Yes
Facial Recognition	Yes
Fingerprint Access	Yes
Electromagnetic lock	Yes
ID Card Access	Yes
Access Ports	3 (upper rear wall, lower rear wall, left wall)

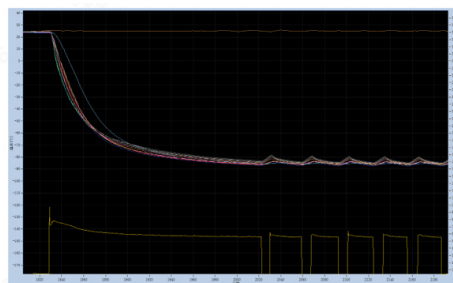
Interior

Yes

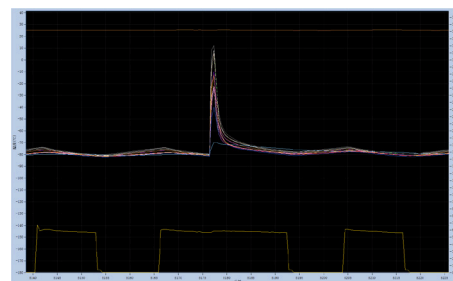
Interior Height	50.63" / 1286 mm
Interior Width	34" / 864 mm
Interior Depth	27.5" / 698 mm
Interior Construction	304 grade SS
2" Freezer Box/Rack Capacity	600 / 24
3" Freezer Box/Rack Capacity	360 / 24



Quick Temperature Pull-Down



Door Open Recovery Curve



Ask About Our Preventive Maintenance Programs

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