

accucold®

Performance Series Ultra Low Freezers

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

-86°C

Perfect for: Academia • Laboratories • Pharmaceutical • Hospitals • Biotech



SKU: AULT530DC

SKU: AULT780DC

SKU: AULT50PS

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Advanced Features for Trusted Ultra Low Storage



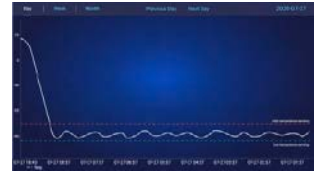
Energy Efficient

Full-sized models are ENERGY STAR® certified



Added Reliability with Dual Shield Protection*

In the event of compressor failure, the second compressor continues to operate independently to maintain -80°C, protecting stored contents as you wait for service



Temperature Stability

Maintains temperature within 3°C of set point



Environmentally-Friendly

Compressors utilize eco-friendly hydrocarbon refrigerant blends



Dual Voltage*

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



User Friendly Display*

10" hi-res LED touchscreen allows intuitive operation and data management for staff



Intuitive Data Management*

Touchscreen includes shortcuts for data view, data curves, operation records, fault analysis, & user notes



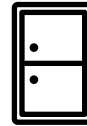
Secure Storage*

Password-protected controls with optional facial recognition, fingerprint access, & NFC cards, plus a mechanical lock & padlock option



Ergonomic Handle

Self-locking design with an easy-to-grab handle



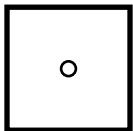
Insulated Inner Doors

Added layer of protection from ambient temperature



Universal Internal Design

Dimensions accommodate the most common rack configurations



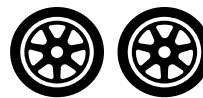
Access Port(s)

Pre-installed ports to accept additional monitoring devices



Easy Maintenance

Condenser dust filter is easily removable for fast cleaning



Smooth Mobility

4 casters (front locking) for easy transportation



Vacuum Insulation

VIP vacuum insulation improves capacity and stabilizes temperature



Accelerated Performance

Pulls down to -80°C in just 185 minutes and recovers from 1-minute door openings in 24 minutes.



Whisper Quiet

53 dB performance provides comfortable working conditions



Data Recording

Stores 10 years of operational data for optimum record-keeping



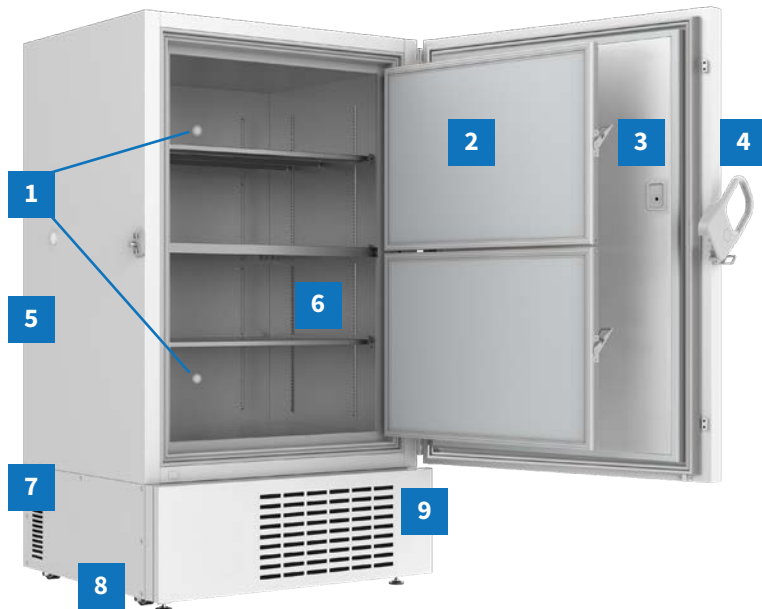
Extended Warranty

12-year compressor coverage and 5-year parts & labor

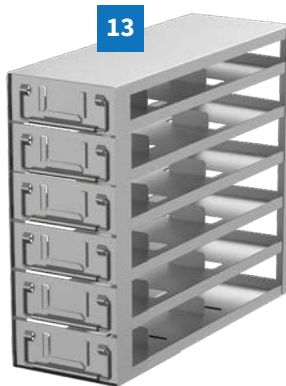
***NOTE:** Included on Dual Shield models (suffix "DC"). Cascade Series features vary. Visit us online for detailed information on every Accucold item.

Purpose-Built For Reliability You Can Trust

Full-Sized Feature Set:



1. Access Ports
2. Insulated Removable Inner Doors
3. Heated Pressure Relief Valve
4. Ergonomic Handle
5. Multiple Temperature Sensors
6. 304 Grade Stainless Steel Walls
7. 115V & 220V Plugs Included
8. Locking Casters
9. Removable Condenser Filter



10. 10" LED Touchscreen
11. USB Port
12. VIP Vacuum Insulation Panel
13. Optional Freezer Racks
14. Electronic Door Lock
15. Dual Redundant Compressors ("DC" Series) or Dual Cascade Compressors ("PS" Series)



Includes 12 Audible/Visual Alarm Function

- Remote alarm
- Open door
- Ambient temperature sensor alert
- Condenser sensor alert
- Temperature sensor alert
- High internal temperature alarm
- Low internal temperature alarm
- High ambient temperature alarm
- Low battery alarm
- Battery level detection alert
- Power outage alarm
- Main control board communication alert

AULT780DC

Performance+ Dual Shield Ultra Low Freezer

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



Advanced Temperature Control



10" LED touchscreen for easy viewing of current, ambient, and min/max temperature, as well as data curves, alarm history, door openings, & user logins

Long-Term Data Storage



Store up to 10 years of operational data and export via the convenient USB port

Trusted, Versatile Security



Electronic & mechanical door lock includes options for facial recognition, fingerprint access, and NFC card entry (2 included)

Durable Construction



304 grade stainless steel interior, VIP vacuum insulation, and insulated inner doors

Dual Voltage Operation



Ships with both a 120V & 220V power cord to best fit your facility

Environmentally-Friendly

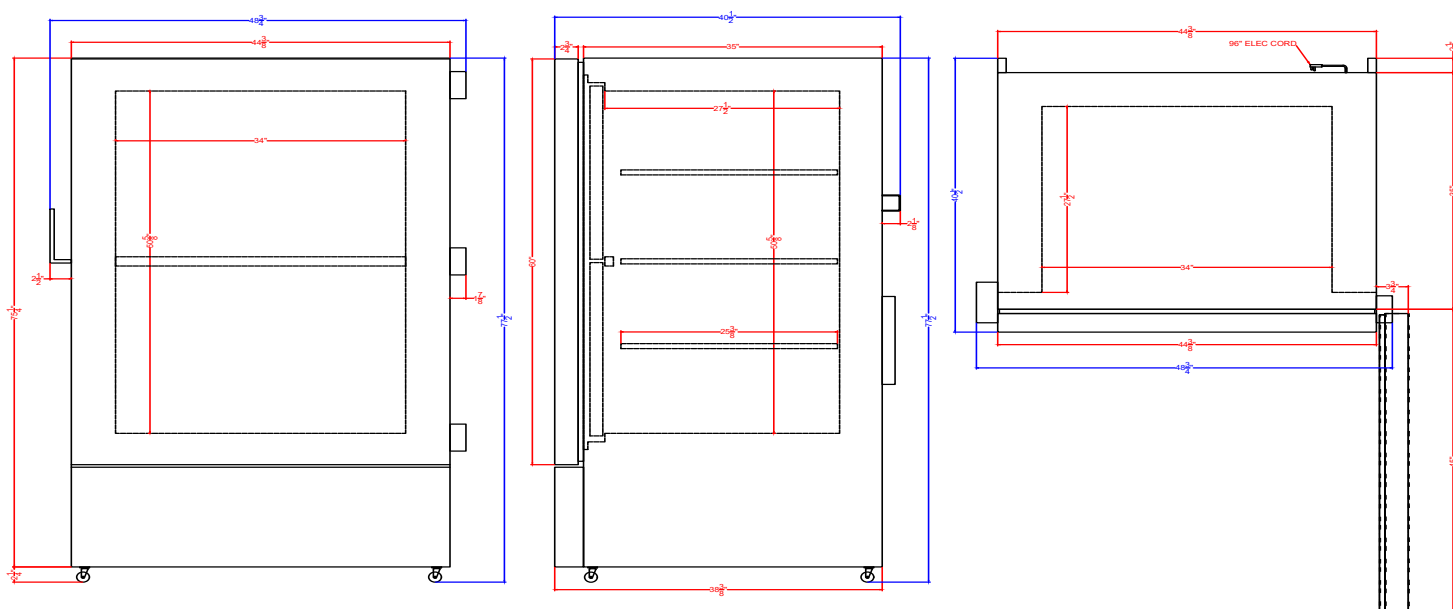


ENERGY STAR® certified with an efficient performance and hydrocarbon compressor system

AULT780DC

Specifications

Overview		Freezer Features	
Height	77.5" / 1969 mm	Casters	4
Width	48.75" / 1238 mm	Daily Energy Consumption	8.5 kWh
Depth	40.5" / 1029 mm	Door Swing	RHD
Depth with Door at 90°	80" / 2032 mm	Inner Door	2
Capacity	27.5 cu.ft. / 780 L	Shelf Type	Stainless Steel
Defrost Type	Manual	Shelf Qty	3
Exterior	White	Adjustable Shelving	Yes
Electrical Safety	UL, cUL	Shelf Load	up to 123 lbs. / 56 kg.
ENERGY STAR® Certified	Yes	Thermostat	Microprocessor w/10" HD Intelligent Touchscreen
Amps	14.83	Password Protected	Yes
Voltage/Frequency	115V/60 Hz / 220V/60 Hz	Data Management	Records every 5 minutes to USB
Plug	(1) NEMA 5-15P (1) NEMA 6-15P	Refrigerant Type	HC mixed gas (R600a, R1150, R50)
Weight	730 lbs. / 331 kg.	Compressor	(2) Redundant
Shipping Weight	865 lbs. / 393 kg.	Compressor Power	1705 BTU
Shipping Dimensions	84" x 55" x 50" / 2134 x 1397 x 1270 mm	Temperature Range	-86° to -40°C
Parts & Labor Warranty	5 years	Temperature Uniformity	3.1°C
Compressor Warranty	12 years	Sound level	51.6 dB
Interior		Mechanical Lock	Yes
Interior Height	50.63" / 1286 mm	Facial Recognition	Yes
Interior Width	34" / 864 mm	Fingerprint Access	Yes
Interior Depth	27.5" / 698 mm	Electromagnetic lock	Yes
Interior Construction	304 grade SS	ID Card Access	Yes
2" Freezer Box/Rack Capacity	600 / 24	Access Ports	3 (upper rear wall, lower rear wall, left wall)
3" Freezer Box/Rack Capacity	360 / 24		



AULT530DC

Performance+ Dual Shield Ultra Low Freezer

18.7 cu.ft. (530L) • 76 1/2" H x 36 7/8" W x 38 1/2" D (1943 mm x 937 mm x 978 mm)



Advanced Temperature Control



10" LED touchscreen for easy viewing of current, ambient, and min/max temperature, as well as data curves, alarm history, door openings, & user logins

Long-Term Data Storage



Store up to 10 years of operational data and export via the convenient USB port

Trusted, Versatile Security



Electronic & mechanical door lock includes options for facial recognition, fingerprint access, and NFC card entry (2 included)

Durable Construction



304 grade stainless steel interior, VIP vacuum insulation, and insulated inner doors

Dual Voltage Operation



Ships with both a 120V & 220V power cord to best fit your facility

Environmentally-Friendly



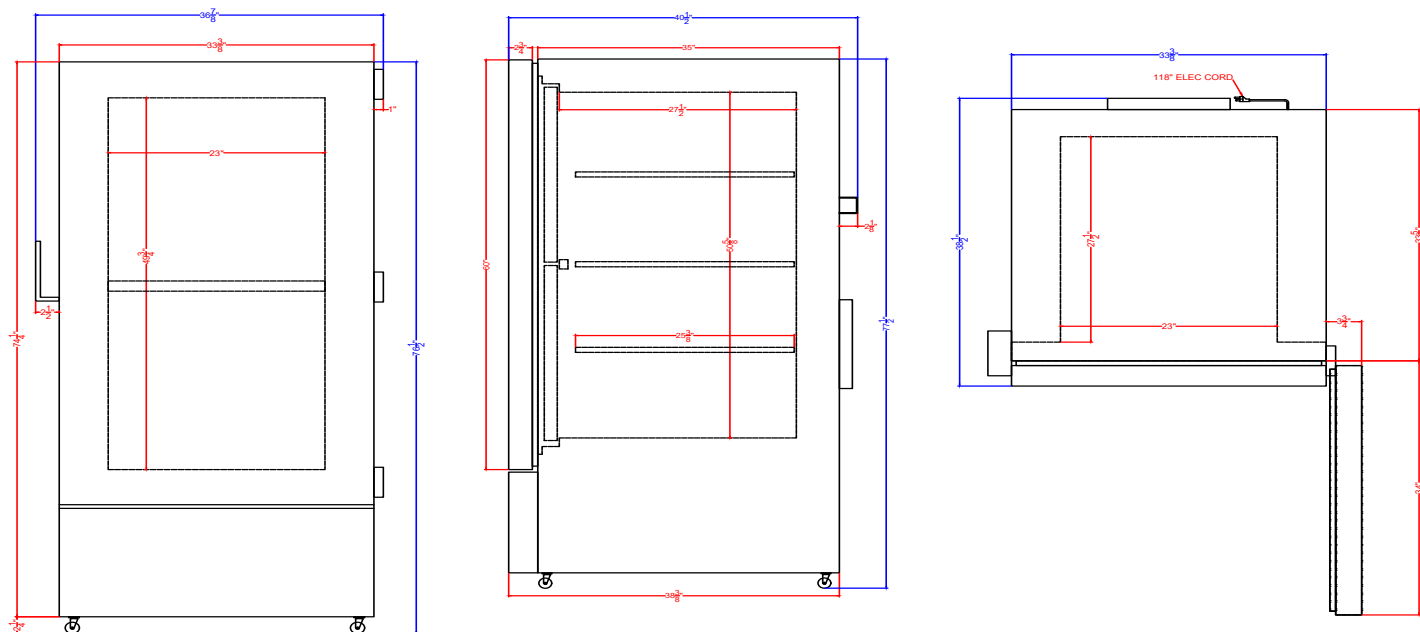
ENERGY STAR® certified with an efficient performance and hydrocarbon compressor system

AULT530DC

Specifications

Overview	
Height	76.5" / 1943 mm
Width	36.88" / 9368 mm
Depth	38.5" / 9779 mm
Depth with Door at 90°	67.63" / 1718 mm
Capacity	18.7 cu.ft. / 530 L
Defrost Type	Manual
Exterior	White
Electrical Safety	UL, cUL
ENERGY STAR® Certified	Yes
Amps	13.42
Voltage/Frequency	115V/60 Hz / 220V/60 Hz
Plug	(1) NEMA 5-15P (1) NEMA 6-15P
Weight	608 lbs. / 276 kg.
Shipping Weight	735 lbs. / 334 kg
Shipping Dimensions	84" x 45" x 51" / 2133 x 1143 x 1295 mm
Parts & Labor Warranty	5 years
Compressor Warranty	12 years
Interior	
Interior Height	49.75" / 1264 mm
Interior Width	23" / 584 mm
Interior Depth	27.5" / 689 mm
Interior Construction	304 grade SS
2" Freezer Box/Rack Capacity	400 / 16
3" Freezer Box/Rack Capacity	240 / 16

Freezer Features	
Casters	4
Daily Energy Consumption	7.3 kWh
Door Swing	RHD
Inner Door	2
Shelf Type	(3) Adjustable Stainless Steel
Shelf Qty	up to 83 lbs. / 38 kg.
Adjustable Shelving	Microprocessor w/10" HD Intelligent Touchscreen
Shelf Load	Yes
Thermostat	Records every 5 minutes to USB
Password Protected	HC mixed gas (R600a, R1150, R50)
Data Management	(2) Redundant
Refrigerant Type	1650 BTU
Compressor	-86° to -40°C
Compressor Power	2.5°C
Temperature Range	53.1 dB
Temperature Uniformity	Yes
Sound level	Yes
Mechanical Lock	Yes
Facial Recognition	Yes
Fingerprint Access	Yes
Electromagnetic lock	2 (upper rear wall, left wall)
ID Card Access	Yes
Access Ports	3 (upper rear wall, lower rear wall, left wall)



AULT779PS

Performance Series Cascade System Ultra Low Freezer

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



Advanced Temperature Control



10" LED touchscreen for easy viewing of current, ambient, and min/max temperature, as well as data curves, alarm history, door openings, & user logins

Long-Term Data Storage



Store up to 10 years of operational data and export via the convenient USB port

Trusted, Versatile Security



Electronic & mechanical door lock includes options for facial recognition, fingerprint access, and NFC card entry (2 included)

Durable Construction



304 grade stainless steel interior, VIP vacuum insulation, and insulated inner doors

Dual Voltage Operation



Ships with both a 120V & 220V power cord to best fit your facility

Environmentally-Friendly



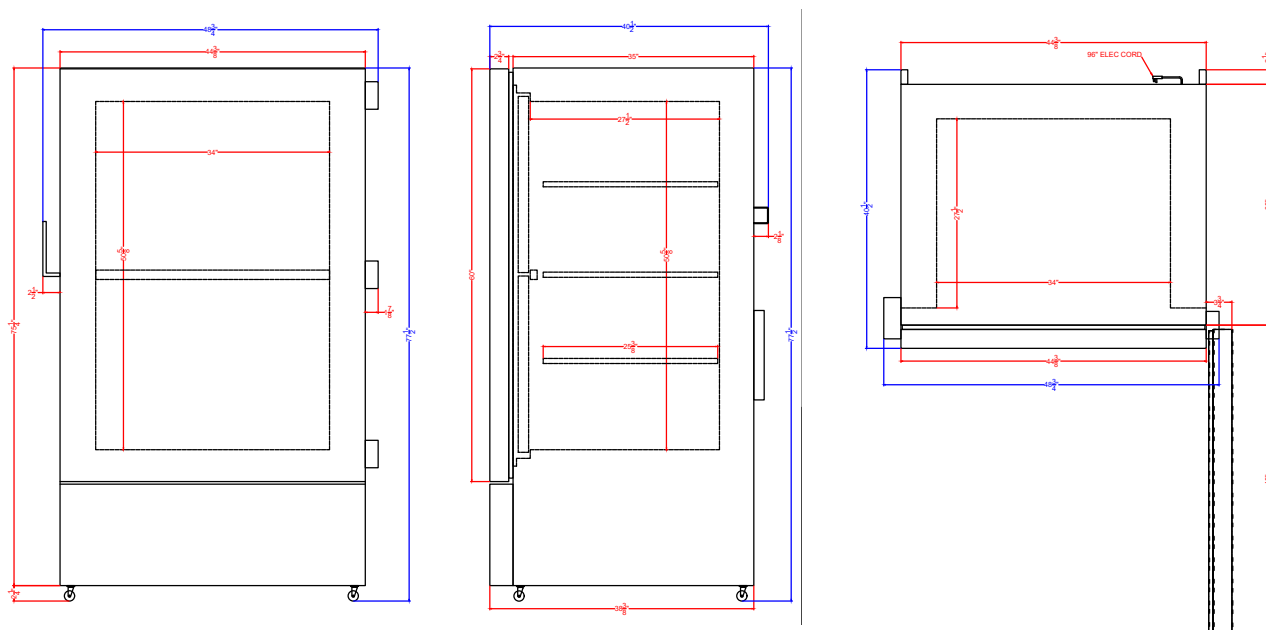
ENERGY STAR® certified with an efficient performance and hydrocarbon compressor system

AULT779PS

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	14.76
Voltage/Frequency	115V/60 Hz / 220V/60 Hz
Plug	(1) NEMA 5-15P (1) NEMA 6-15P
Weight	730 lbs. / 331 kg.
Shipping Weight	870 lbs. / 395 kg.
Shipping Dimensions	84" x 55" x 50" / 2134 x 1397 x 1270 mm
Parts & Labor Warranty	5 years
Compressor Warranty	12 years
Interior	
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

Freezer Features	
Casters	4
Daily Energy Consumption	9 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	High stage: R290a Low stage: R170
Compressor	(2) Cascade
Compressor Power	1375 BTU
Temperature Range	-86° to -40°C
Temperature Uniformity	3.5°C
Sound level	51.7 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)



AULT50PS

Performance Series Cascade System Ultra Low Freezer

1.8 cu.ft. (50L) • 30 1/4" H x 27 5/8" W x 26 3/8" D (770 mm x 960 mm x 670 mm)



Advanced Temperature Control



Intelligent digital microprocessor controls for easy adjustment from -86 to -40°C, with an external display of the current and min/max temperature

Long-Term Data Storage



Store up to 10 years of operational data and export via the convenient USB port

Trusted Security



Ergonomic handle with keyed lock ensures easy staff use with protection you can trust

VIP Construction



Insulated inner door offers added protection from ambient temperature

Environmentally-Friendly



Cascade compressor system utilizes eco-friendly hydrocarbons for a cleaner footprint

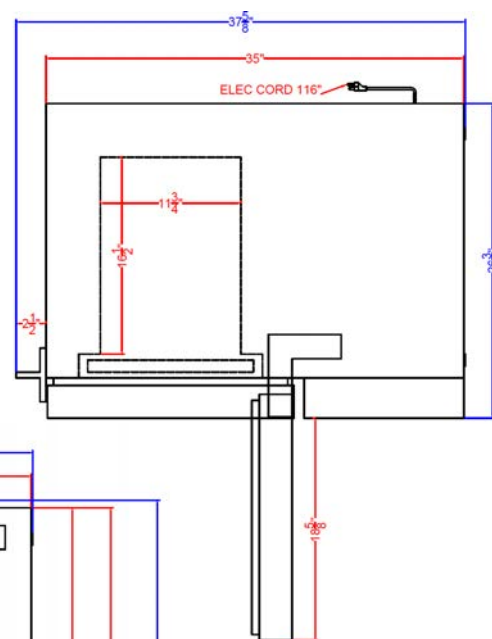
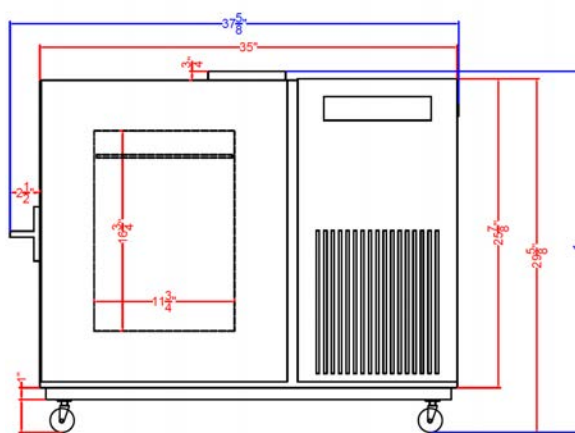
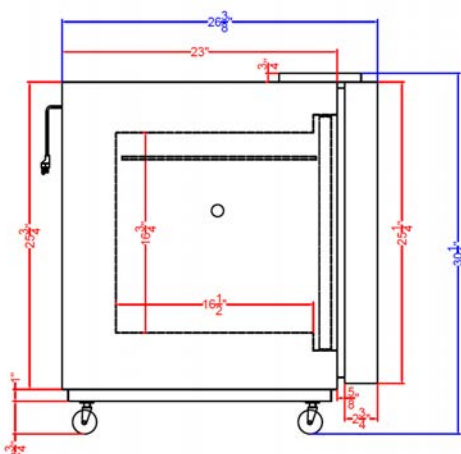
AULT50PS

Specifications

Overview	
Height	30.25"
Width	37.63"
Depth	26.38"
Depth with Door at 90°	45"
Capacity	1.8 cu.ft. / 50 L
Defrost Type	Manual
Door	White
Cabinet	White
US Electrical Safety	UL
Canadian Electrical Safety	cUL
Amps	10
Voltage/Frequency	115V/60 Hz
Plug	NEMA 5-15P
Weight	229 lbs. / 104 kg.s
Shipping Weight	273 lbs. / 124 kg.
Shipping Dimensions	42" H x 42" W x 31" D
Parts & Labor Warranty	5 years
Compressor Warranty	12 years
Interior	Yes

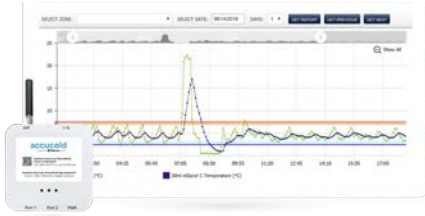
Interior Height	16.75"
Interior Width	11.75"
Interior Depth	16.5"
Interior Construction	430 grade SS
2" Freezer Box Capacity	36
2" Freezer Rack Capacity	2
3" Freezer Box Capacity	24
3" Freezer Rack Capacity	2

Freezer Features	
Casters	4
Daily Energy Consumption	7.936 kWh
Door Swing	RHD
Inner Door	1
Shelf Type	Stainless Steel
Shelf Qty	1
Adjustable Shelving	Yes
Shelf Load	up to 26 lbs. / 12 kg.
Thermostat	Microprocessor
Password Protected	Yes
Data Management	Records every 5 minutes to USB
BTU Output	1045 per hour
Refrigerant Type	HC mixed gas (R245fa, R290, R170, R14, N2)
Temperature Range	-86° to -40°C
Temperature Uniformity	2.1°C
Sound level	54.3 dB
Lock	Yes
Access Port	3/8" left wall

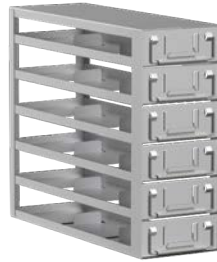


Options & Accessories

Cellular Cloud-Based Temperature Monitoring



Freezer Racks Made In The Usa



Safety Gloves From S To XL



**Preventive Maintenance programs for annual service & sanitization
by our technical equipment specialists**



**For more information about Accucold's
Ultra Low Freezers, visit us online at
accucold.com/ult-freezers or
contact our equipment specialists:**

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