

-86°C ULTRA-LOW FREEZER

FEATURES

- CDC and VFC compliant
- Great for storage of Covid-19 vaccines, DNA, RNA, virus samples, organs and serum
- Remote alarm (included), RS232, 4-20mA transmitter (optional)
- Equipped with VIP (Vacuum Insulation Panel) plus vacuum insulation foaming for better temperature performance
- ETL tested to UL and CSA standards
- ETL tested to UL 471, Commercial Refrigerators and Freezers standards (optional G04, G18, G21c, G27)
- Designed with energy-efficient refrigerants that earned the Energy Star rating for our RapidChill G12h, G20h, G26h and G34he models
- Operation temperature range from -40°C to -86°C
- All stainless steel shelves for clean operation, durability, and ease of maintenance
- Lock-able door, high or low temperature alarms, power failure alarm, door open alarm, filter clogging alarm, password protection, ample security features to protect you, your products, and the unit
- Dual silicone sealing gaskets for ultra air tight
- Backup battery for controller and display
- USB interface for data export and storage
- Extremely quiet and reliable
- RS-485 & USB communication ports with option to add 4-20 mA transmitter
- Use only RoSH compliant non-toxic components and materials
- Built-in swivel casters with adjustable support that will secure the unit on uneven floor



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SPECIFICATIONS

MODEL	G04 UPRIGHT FREEZER	G04H UPRIGHT FREEZER	G12H UPRIGHT FREEZER
Electrical requirements	110V 60Hz 1-Phase 950 watts 8.6A	110V, 680W, 60Hz 1-Phase or 220V, 680W, 50Hz 1-Phase	110V 60Hz 1-Phase 950W
Temperature range	-40°C to -86°C	-40°C to -86°C	-40°C to -86°C
Compressor	Make: SECOP (formerly known as Danfoss), Germany Power: 115V 60Hz 1-PHASE Number of compressor: one Refrigerant: CFC-free	Make: SECOP (formerly known as Danfoss), Germany Number of compressors: one 110 V model: single Refrigerant: HC	Make: Hermetic Reciprocating – SECOP x2 Number of compressors: one 110 V model: single Refrigerant: HC
Chamber	Dimensions: 17.75 x 19 x 20" (WxDxH) Material: Stainless steel Capacity: 4 Cu Ft	Dimensions: 13x19x25" (WxDxH) Material: Powder coated steel Capacity: 4 Cu Ft	Dimensions: 18.3 x 24.8 x 45.9" Material: Powder coated steel Capacity: 12 Cu Ft
Shelf	Come with unit: one adjustable shelf (2 compartments) Material: 304 stainless steel Capacity: 65 Lbs, evenly distributed Dimensions: 17.5 x 17.5 inches Additional price unit price: \$200	Come with unit: one shelf (2 compartments) Material: 304 stainless steel	Come with unit: three adjustable shelves (4 compartments) Material: 304 stainless steel Capacity: 110 Lbs, evenly distributed Dimensions: 17.75 x 23.5"
Storage capacity	Pfizer vaccine: 6,240 vials 31,200 doses	Pfizer vaccine: 4,680 vials 23,400 doses	Pfizer vaccine: 32,100 vials 160,500 doses
Door and gasket	Inner door: two, each with one sealing gasket External door: one with dual sealing gaskets, lock-able	Inner door: two, each with one sealing gasket External door: one with dual sealing gaskets, lock-able	Inner door: two, each with one sealing gasket External door: one with dual sealing gaskets, lock-able
Access port	One, 30mm diameter	One	Two
Built-in swivel casters	Four	Four, with positioners	Four, with positioners
Noise level	48 dBA	46.8 dBA	50 dBA
Unit/shipping dimensions	42 x 28 x 32" / 46 x 32 x 45" (WxDxH)	30 x 26 x 32" / 33 x 28 x 38.5" (WxDxH)	32.7 x 35.2 x 72.7"/34.4 x 38.2 x 79.1
Unit/shipping weight	380 Lbs / 455 Lbs	238 Lbs. / 291 Lbs	525 lbs / 615 lbs
Safety	Remote Alarm High/Low Temperature Power Failure High/Low Voltage Sensor Error Low Battery Door Ajar	Remote Alarm High/Low Temperature Power Failure High/Low Voltage Sensor Error Low Battery Door Ajar	High/Low Temperature Alarms Hot Condenser Power Failure Sensor Error Low Battery Alarm High Ambient Temp Door Ajar Backup battery for controller and alarm functions
Compliance	UL STD 61010-1 (standard) CSA C22.2 NO. 61010-1 (standard) UL STD 471 (optional)	UL 61010-1 CSA C22.2	
Warranty	One year	2-year full service, 3-year parts, 5-year compressor	

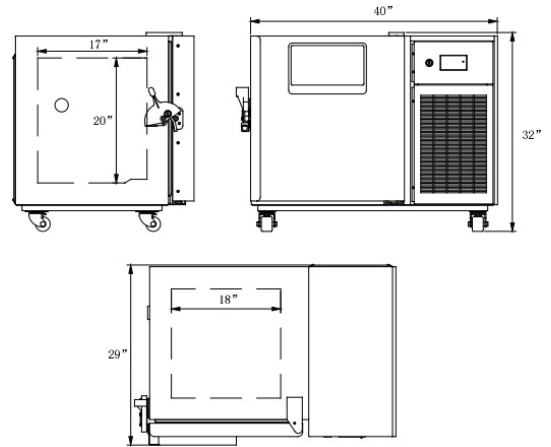
SPECIFICATIONS

MODEL	G18 UPRIGHT FREEZER	G20H UPRIGHT FREEZER	G26H UPRIGHT FREEZER
Electrical requirements	110V 60Hz 1-Phase, 1160 watts 10.5A or 220V 60Hz 1-Phase, 1160 watts 5.3A	110V 60Hz 1-Phase 950W	110V 60Hz 1-Phase 950W
Temperature range	-40°C to -86°C	-40°C to -86°C	-40°C to -86°C
Compressor	Make: Embraco Power: 110V or 220V 60Hz, 1-PHASE Number of compressor: one Refrigerant: CFC-free	Make: Hermetic Reciprocating – SECOP x2 Number of compressors: 110 V model: dual Refrigerant: HC	Make: Hermetic Reciprocating – SECOP x2 Number of compressors: 110 V model: dual Refrigerant: HC
Chamber	Dimensions: 23 x 27.25 x 49.5" (WxDxH) Material: 304 stainless steel Capacity: 18 Cu Ft	Dimensions: 24.4 x 28.2 x 51.6" (WxDxH) Material: Powder coated steel Capacity: 20.4 Cu Ft	Dimensions: 30.2 x 28.2 x 51.6" (WxDxH) Material: Powder coated steel Capacity: 26 Cu Ft
Shelf	Come with unit: three adjustable shelves (4 compartments) Material: 304 stainless steel Capacity: 110 Lbs on three shelves, evenly distributed 450 Lbs on the base of the chamber, evenly distributed Dimensions: 26 x 22.5 inches Additional price unit price: \$100	Come with unit: three adjustable shelves (4 compartments) Material: 304 stainless steel Capacity: 175 Lbs, evenly distributed Dimensions: 23.8 x 26.7"	Come with unit: three adjustable shelves (4 compartments) Material: 304 stainless steel Capacity: 200 Lbs, evenly distributed Dimensions: 29.5 x 26.7"
Storage capacity	Pfizer vaccine: 38,610 vials 193,050 doses	Pfizer vaccine: 39,780 vials 198,900 doses	Pfizer vaccine: 51,480 vials 257,400 doses
Door and gasket	Inner door: two, each with one sealing gasket External door: one with dual sealing gaskets, lock-able	Inner door: two, each with one sealing gasket External door: one with dual sealing gaskets, lock-able	Inner door: three pieces removable foam External door: dual-level sealing gasket, lock-able, with hydraulic support
Access port	Two, one on the side and one in the back, one inch diameter	Two, one on the side and one in the back, one inch diameter	Two, one on the side and one in the back, one inch diameter
Built-in swivel casters	Four, with positioners	Four, with positioners	Four, with positioners
Noise level	48 dBA	50 dBA	50 dBA
Unit/shipping dimensions	35 x 42 x 76" / 41 x 47 x 85" (WxDxH)	36 x 38.6 x 77.2" / 40 x 42 x 82" (WxDxH)	41 x 38.6 x 78" / 45 x 42 x 82" (WxDxH)
Unit/shipping weight	624 Lbs / 677 Lbs	660 lbs / 730 lbs	760 lbs / 850 lbs
Safety	Remote Alarm High/Low Temperature Hot Condenser Power Failure Sensor Error High/Low Voltage Sensor Error Low Battery High Ambient Temperature Door Ajar	High/Low Temperature Alarms Hot Condenser Power Failure Sensor Error Low Battery Alarm High Ambient Temp Door Ajar Backup battery for controller and alarm functions RS-485,4-20mA transmitter	High/Low Temperature Alarms Hot Condenser Power Failure Sensor Error Low Battery Alarm High Ambient Temp Door Ajar Backup battery for controller and alarm functions RS-485,4-20mA transmitter
Compliance	UL STD 61010-1 (standard) CSA C22.2 NO. 61010-1 (standard) UL STD 471 (optional)	UL 61010-1 CSA C22.2 Energy Star	UL 61010-1 CSA C22.2 Energy Star
Warranty	One year	2-year full service, 3-year parts, 5-year compressor	

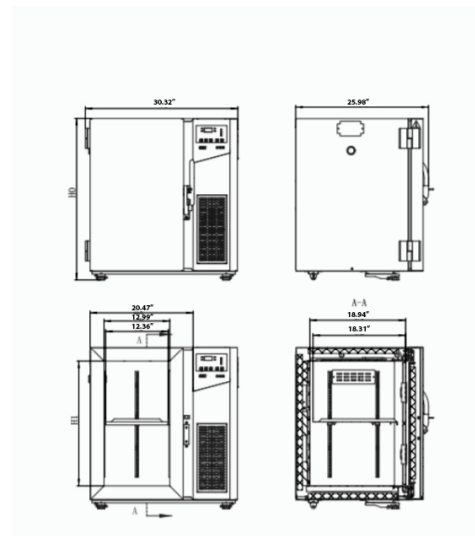
SPECIFICATIONS

MODEL	G34HE UPRIGHT FREEZER	G21C CHEST FREEZER
Electrical requirements	230V 50/60Hz. 1300 watts, 7 amps	220V 60Hz 1-Phase, 2057 watts 10.5A
Temperature range	-40°C to -86°C	-40°C to -86°C
Compressor	Maker: Variable speed Power: 220V 60Hz 1-PHASE Number of compressor: Dual Refrigerant: HC R290/R170	Make: SECOP Power: 220V 60Hz 1-PHASE Number of compressor: dual, parallel Refrigerant: CFC-free
Chamber	Dimensions: 40 x 28 x 51.5" Shelf max. weight capacity: 126kg (278lbs) Max. weight capacity of unit: 504kg (1111 lbs) 5x5x2" boxes capacity: 700 boxes	Dimensions: 47 x 32 x 24" (WxDxH) Material: 304 stainless steel VOLUME: 21 Cu Ft
Shelf	Shelf max. weight capacity: 126kg (278lbs) Max. weight capacity of unit: 504kg (1111 lbs) 5x5x2" boxes capacity: 700 boxes	Maximum load capacity: 550 Lbs on the base of chamber, evenly distributed
Storage capacity	2" box in 700 pieces and inventory 2ml vials in 70000 pieces	2" box in 380 pieces and inventory 2ml vial in 38000 pieces
Door and gasket	Inner door: Four inner doors External door: One VIP+CFC free foaming Agent door with 4 seal gasket	Inner door: three pieces removable foam External door: dual-level sealing gasket, lock-able, with hydraulic support
Access port	Two on the back, one inch diameter	Two, one on the side and one in the back, one inch diameter
Built-in swivel casters	Mobile caster	Six
Noise level	47 dBA	48 dBA
Unit/shipping dimensions	51 x 39.5 x 78 / 54 x 43.5 x 84.5" (WxDxH)	80 x 47 x 41" / 84 x 51 x 48" (WxDxH)
Unit/shipping weight	990 Lbs / 1070 Lbs	900 Lbs / 1100 Lbs
Safety	High/low-temperature alarms Hot condenser alarm Power failure High/low voltage Sensor error Low battery High ambient temperature Door ajar	Remote Alarm High/Low Temperature Power Failure High/Low Voltage Sensor Error Low Battery Door Ajar
Compliance	UL STD 61010-1 CSA C22.2 CE	UL STD 61010-1 (standard) CSA C22.2 NO. 61010-1 (standard) UL STD 471 (optional)
Warranty	2-year full service, 3-year parts, 5-year compressor	One year

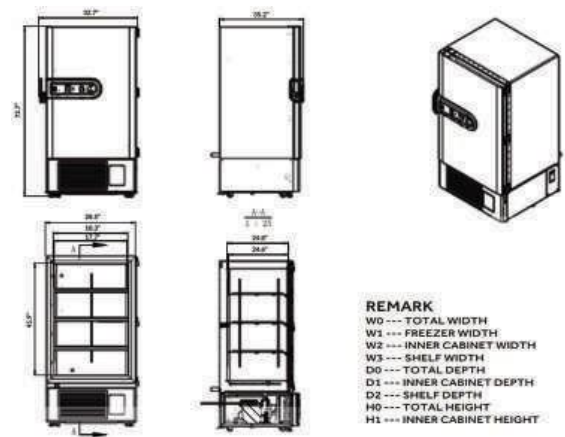
G04 UPRIGHT FREEZER



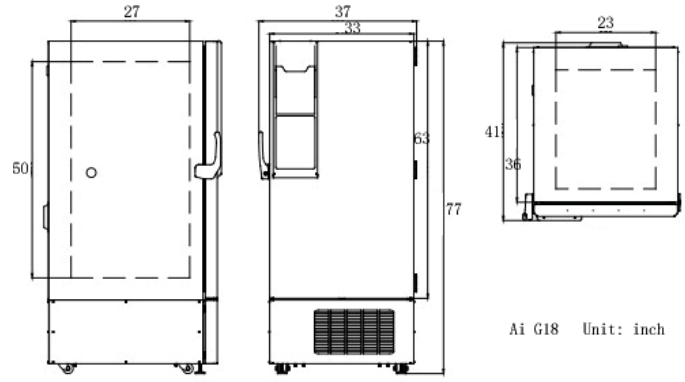
G04H UPRIGHT FREEZER



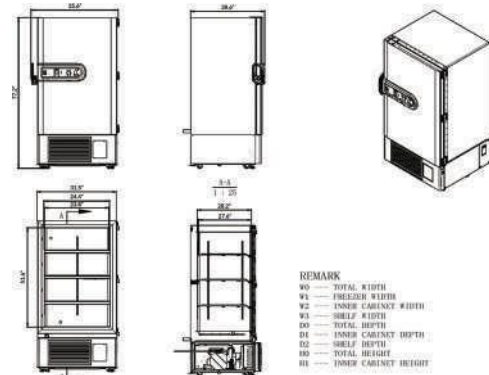
G12H UPRIGHT FREEZER



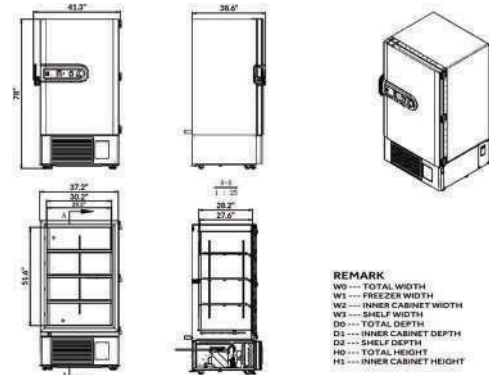
G18 UPRIGHT FREEZER



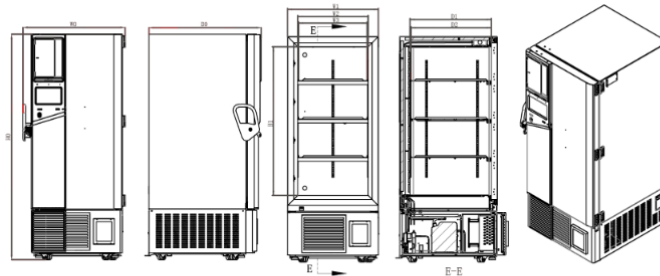
G20H UPRIGHT FREEZER



G26H UPRIGHT FREEZER



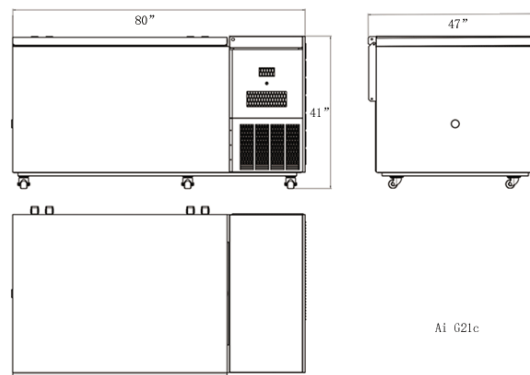
G34HE UPRIGHT FREEZER



Parameter Description:
 W0--Overall width of the machine
 W1--Outer width of the cabinet
 W2--Inner liner width
 W3--Width of inner shelf
 (Width of shelf for effective placement of freezing rack)
 D0--Overall depth of the machine
 D1--Inner liner depth
 D2--Inner depth of shelf
 (Depth of shelf for effective placement of freezing rack)
 H0--Overall height of the machine
 H1--Inner liner height

W0	W1	W2	W3	H0	H1	D0	D1	D2
1296mm	1196mm	1016mm	1000mm	1980mm	1310mm	998mm	716mm	706mm

G21C CHEST FREEZER



Ai G21c

