

TECHNICAL DATA SHEET MODEL UP270F FREEZER



GCI
LIFE SCIENCES



Consistent freezing performance to safeguard valuable laboratory samples.

2.4
°C

Temp. Uniformity

133
Minutes

Pull-Down to -40°C

25
Minutes

1-Minute Door Opening Recovery

Typical freezer data based in internal testing with freezer setpoint at -40°C and ambient temperature at 22°C.

SPECIFICATIONS

→ -20 to -40°C Freezer

Model	UP270F
Capacity	270L (9.53 cuft)
Internal Chamber Size (W X D X H)	500 X 460 X 1235mm (19.69 X 18.11 X 48.62 in)
External Size (W X D X H)	700 X 640 X 1792mm (27.56 X 25.2 X 70.55 in)
Package Size (W X D X H)	835 X 775 X 1910mm (32.9 X 30.5 X 75.2 in)
Product Weight (Kgs/Lbs)	98kg (216.05 lbs)
Shipping Weight (Kgs/Lbs)	115kg (253.53 lbs)

→ Performance

Temperature Range	-20 to -40°C
Ambient Temperature	16-32°C
Climate Class	Indoor Use Only
Controller	Microprocessor
Display	Digital Display

→ Refrigeration

Compressor	Single
Cooling Method	Direct Cooling
Defrost Mode	Manual
Refrigerant	R290
Insulation Thickness (mm)	D:90, L/R:100, B:100

→ Construction

External Material	Powder Coated Steel
Inner Material	Painted Aluminum Plate
Drawers	7 (ABS material)
Access Test Port	1 pc. 025mm
Casters	2 (2 Leveling Feet)
Data Logging/Interval/Recording Time	USB/Record every 10 minutes/100,000 data
Interface	Remote Alarm Contact, RS485
Backup Battery	Yes

→ Alarms

Temperature	High/Low Temperature, High Ambient Temperature
Electrical	Power Failure, Low Battery, Data Logger Failure
System	Sensor Error, Door Ajar, Data Communication Failure

→ Electrical

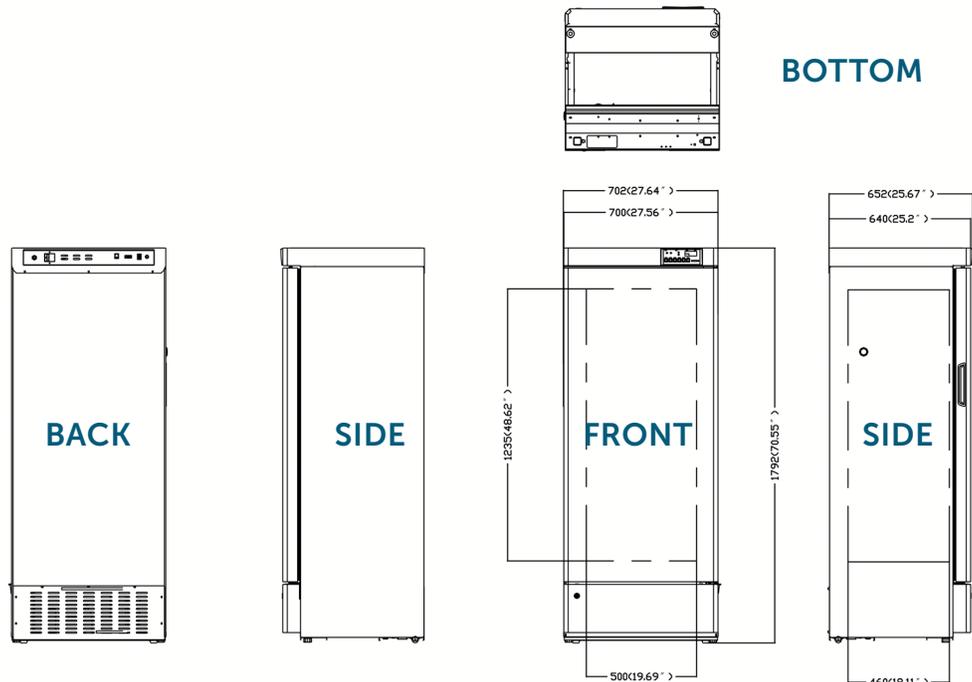
OPTION 1	OPTION 2
110V/60HZ	220-240V/50HZ
4.22A	2.8A

→ Certifications

UL (2021-09-25; 2023-01-31 (A1) - E509170)
CE (AHES2106001773HSA01)

Manufacturing Facility certified to ISO 9001:2015 and
ISO 13485:2016 quality management system standards
Medical device classification: Class II (U.S), Class IIa (EU MDR)

DIMENSIONS



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REDEFINING COLD