



TECHNICAL DATA SHEET

MODEL CM300AL

COMBO FRIDGE/FREEZER



Precision refrigeration and freezing
in one laboratory focused platform.

0.5/1.0
°C

Temp.
Uniformity

30/108
Minutes

Pull-Down
to 5/-23°C

8/17
Minutes

1-Minute
Door Opening
Recovery

Typical freezer data based on internal testing with setpoint at 5/-23°C and ambient temperature at 22°C.

SPECIFICATIONS

→ 2-8°C/-10 to -26°C Combined Refrigerator and Freezer

Model	CM300AL
Capacity	300L (10.59 cuft)
Upper Chamber	189L (6.67 cuft)
Lower Chamber	111L (3.92 cuft)
Internal Chamber Size (W X D X H)	R: 600 X 510 X 657mm (23.62 X 20.08 X 25.89 in) ; F: 500 X 460 X 535mm (19.69 X 18.11 X 21.06 in)
External Size (W X D X H)	700 X 640 X 1876mm (27.56 X 22.2 X 73.86 in)
Package Size (W X D X H)	760 X 720 X 1935mm (29.92 X 28.35 X 76.18 in)
Product Weight (Kgs/Lbs)	95kg (209.44 lbs)
Shipping Weight (Kgs/Lbs)	106kg (233.70 lbs)

→ Performance

Temperature Range	R: 2-8°C F: -10 to -26°C
Ambient Temperature	16-32°
Cooling Performance	R: 5°C F: -23°C
Climate Class	Indoor Use Only
Controller	Microprocessor
Display	Digital Display

→ Refrigeration

Compressor	Double
Cooling Method	Direct Cooling
Defrost Mode	R: Automatic F: Manual
Refrigerant	R600a; R600a
Insulation Thickness (mm)	D:R:80 F:90, L/R:R:50 F: 100, B:R:50 F: 100

→ Construction

External Material	Powder Coated Steel
Inner Material	Sprayed Aluminum Plate
Shelves	3 Plastic Coated Steel Wire Shelves +3ABS
Access Test Port	2 pc. 025mm
Casters	4+ (2 Leveling Feet)
Data Logging/Interval/Max. Data Cap.	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
System	Sensor Error, Data Logger Failure, Data Communication Failure, Door Ajar

→ Electrical

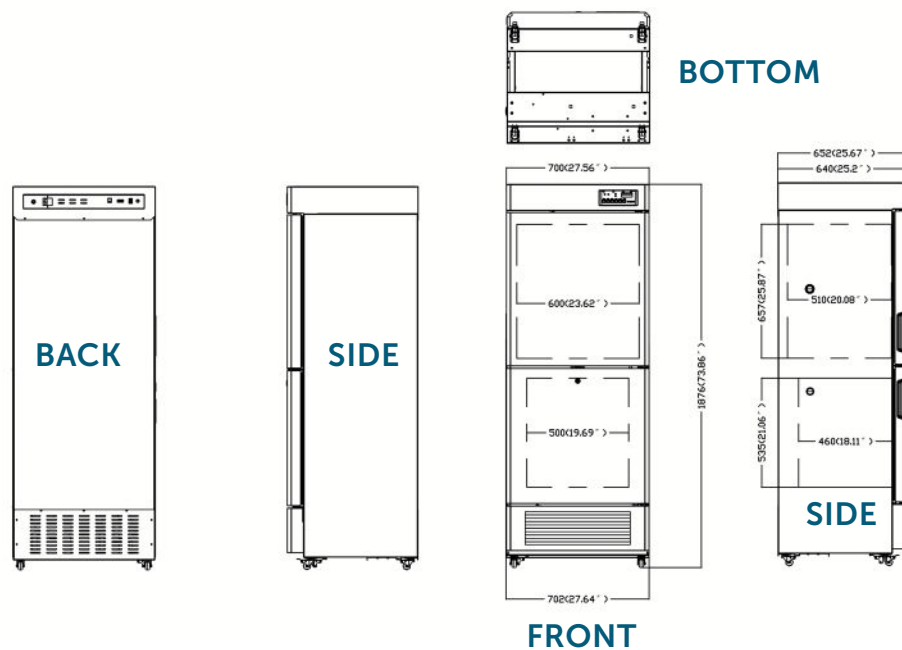
OPTION 1	OPTION 2
110V	220-240V
3.17A	1.37A

→ Certifications

UL (2022-11-30 - E509170)
CE (AHES210500141001HSC)

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