-40°C CHEST FREEZER

ECF-10.8-C-40-E

EcoChill 10.8 Cu Ft -40°C Chest Freezer with Digital Display

The USA Lab EcoChill ECF-10.8-C-40-E is a 305 L (10.8 cu.ft) chest freezer with a −20 °C ~ −40 °C temperature range, direct cooling, and R290 refrigerant. A microprocessor controller with LED digital display and NTC sensor provides high/low temperature, power failure, sensor error, and thermostat failure alarms, with a battery-powered power failure alarm lasting up to 24 hours.

- **Deep cold storage.** −20 °C ~ −40 °C range in a 305 L chest cabinet.
- **Clear digital control.** Microprocessor controller with LED digital display and NTC sensor.
- **Comprehensive alarms.** High/low temperature, power failure, sensor error, and thermostat failure alarms.
- **Battery-backed alerts.** Audible and visual power failure alarm for up to 24 hours on battery.
- **Efficient operation.** 1.68 kWh / 24 h consumption, 162W power, R290 refrigerant.

MODEL ECF-10.8-C-40-E



−40 to −20 °C	305 L	1.68 kWh / 24 h	50 dB
TEMPERATURE RANGE	STORAGE CAPACITY	POWER CONSUMPTION	NOISE LEVEL

Technical Specifications

Model **ECF-10.8-C-40-E**

TEMPERATURE

Temperature range	−20 °C ~ −40 °C
Sensor	NTC
Ambient temperature	10 ~ 32 °C

REFRIGERATION

Cooling method	Direct Cooling
Defrost	Manual
Refrigerant	R290
Compressor brand/QTY	CUBIGEL / 1

CONTROLS AND ALARMS

Controller	Microprocessor
Display	LED digital
Alarms	High/low temperature, power failure, sensor error, thermostat failure
Power failure alarm	Battery-powered, audible and visual, up to 24 hours
Data logger	Optional

CABINET

Exterior material	Color sprayed steel
Insulation	PURF
Access port QTY/Dia.	1 / 25 mm
Casters	Universal

ELECTRICAL

Voltage/frequency	110V / 120V 60Hz
Power	162W
Current	1.36A
Power consumption	1.68 kWh / 24 h
Noise	50 dB

DIMENSIONS

Exterior (W×D×H)	48" × 33" × 37"
Interior (W×D×H)	40" × 20.4" × 26"
Package (W×D×H)	51" × 33" × 42"
Weight	180 lbs

ORDERING INFORMATION

CATALOG NO.	DESCRIPTION	ELECTRICAL
ECF-10.8-C-40-E	EcoChill 10.8 Cu Ft -40°C Chest Freezer - Digital Display −20 °C ~ −40 °C, 305 L / 10.8 cu.ft	110V / 120V 60Hz 3-wire grounded plug

IDEAL APPLICATIONS

Laboratories · Medical facilities · Industrial environments · Food applications · Blood banks · Research institutions

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