



# TECHNICAL DATA SHEET

## MODEL UP650RGE UPRIGHT REFRIGERATOR



Stable refrigeration designed to protect sensitive samples and reagents.

<b>0.6</b> °C	<b>25</b> Minutes	<b>6</b> Minutes
------------------	----------------------	---------------------

**Temp. Uniformity**

**Pull-Down to 5°C**

**1-Minute Door Opening Recovery**

*Typical freezer data based on internal testing with setpoint at 5°C and ambient temperature at 25°C.*

### SPECIFICATIONS

#### → 2-8°C Refrigerator

Model	UP650RGE
Capacity	650L (22.95 cuft)
Internal Chamber Size (W X D X H)	605 X 725 X 1515mm (23.82 X 28.54 X 59.65 in)
External Size (W X D X H)	715 X 890 X 1985mm (28.15 X 35.04 X 78.15 in)
Package Size (W X D X H)	772 X 947 X 2154mm (30.43 X 37.28 X 84.8 in)
Product Weight (Kgs/Lbs)	157kg (346.13 lbs)
Shipping Weight (Kgs/Lbs)	185kg (407.86 lbs)

#### → Performance

Temperature Range	2-8°C
Ambient Temperature	16-32°C
Climate Class	Indoor Use Only
Controller	Microprocessor
Display	Digital Display

#### → Refrigeration

Compressor	Single
Cooling Method	Forced Air Cooling
Defrost Mode	Automatic
Refrigerant	R290
Insulation Thickness (mm)	D:55, L/R:55, B:55, U/D:55/62

## → Construction

External Material	Powder Coated Steel
Inner Material	Stainless Steel
Shelves	5
Access Test Port	1 pc. 025mm
Casters	4 total, 2 with locks
Data Logging/Interval/Recording Time	USB/Record Every 5 Minutes/100,000 data
Interface	Remote Alarm Contact, RS485
Backup Battery	Yes

## → Alarms

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

## → Electrical

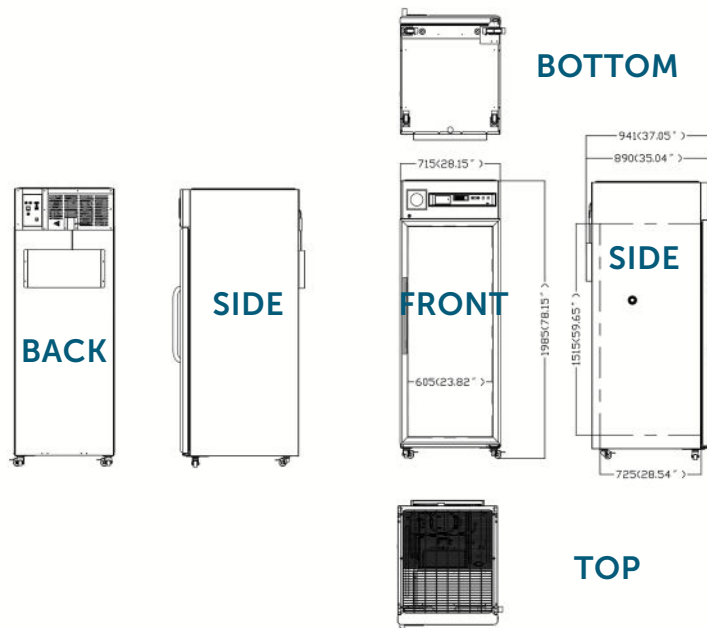
220-240V/50 & 60Hz
5.77A

## → Certifications

UL (2022-04-30 - E509170)  
CE (SHES2208015334HS)

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



**Stirling Ultracold** 6000 Poston Road, Athens, Ohio 45701, USA  
T 740.274.7900 / 1.855.274.7900 | F 740.274.7901 | [www.stirlingultracold.com](http://www.stirlingultracold.com)

©2024 Stirling Ultracold, Global Cooling, Inc. All Rights Reserved.

Global Cooling technology is manufactured under U.S. and International patents.  
Stirling Ultracold is a trademark of Global Cooling, Inc. Specifications subject to  
change without notice. Refer to [www.stirlingultracold.com](http://www.stirlingultracold.com) for the latest specifications.



**REDEFINING COLD**