



Lab Ovens

LT - Low-Temp Series Ovens
from Quincy Lab, Inc.



FEATURING

- Digital Microprocessor Control
- Air Forced Gravity Convection
- Durable Double-wall Construction
- Scratch-resistant Hammer Finish
- Corrosion-resistant Aluminized Interior
- Full 18-month Factory Warranty
- Proven Reliability

Advanced Design

Cabinets are as attractive as they are durable. Exteriors are painted light gray and have a hard, scratch-resistant hammer finish. Doors open with high-impact thermoplastic handles. Cabinets have heavy steel double-wall construction. Work space is insulated from the outer cabinet with one inch of high-density mineral wool, and interiors are made of corrosion-resistant aluminized steel.

Controls

The digital control combines the features of the analog model but offers the ease of temperature setting and the stability of a full PID microprocessor that accurately maintains settings within $\pm 1.0^{\circ}\text{C}$, even in varying ambient or power supply

conditions. A temperature-tracking feature stores temperature deviation from set point. This feature helps to confirm stability or indicate any control malfunction or power loss throughout a process period. The digital controller features large LED's that continuously display process temperature as well as a setting lock mode that provides protection against accidental or inadvertent adjustment.

Heating Elements

Energy-efficient, low-watt density incoloy sheathed elements are engineered into a compact design for quick run-up and recovery times. Temperature uniformity is greatly improved by a perforated heat shield which absorbs radiant heat and distributes it more evenly.

GCE-LT and AFE-LT Models

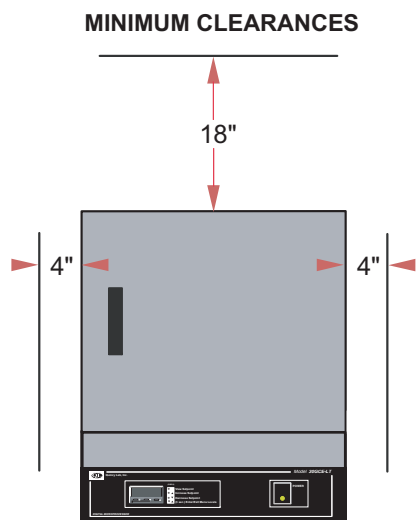
Quincy Lab uses only quality UL and CSA recognized components in all ovens. The 'GCE-LT' series gravity convection ovens are designed to meet the laboratory needs of industry, research organizations, and schools. Well-crafted and versatile, they are used for part drying, baking, curing, sterilizing, evaporating, heat treating, annealing, and testing. The 'AFE-LT' models offer forced-air circulation allowing for uniform distribution of heat throughout the chamber, which also facilitates dehydration and evaporating. The GCE-LT and AFE-LT series ovens have temperature ranges of $210^{\circ}\text{F}/99^{\circ}\text{C}$, and $225^{\circ}\text{F}/107^{\circ}\text{C}$ respectively, and are competitively priced and offer exceptional value and reliability.

Quincy Lab, Inc. has been a mainline manufacturer of laboratory ovens and incubators for more than 40 years.
We are dedicated to product value, customer satisfaction, and ongoing product support.

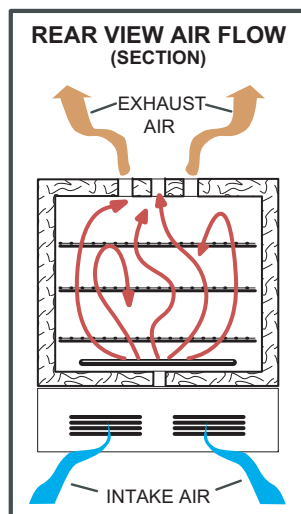


GENERAL SPECIFICATIONS	MODEL 10GCE-LT	MODEL 20GCE-LT	MODEL 30GCE-LT	MODEL 40GCE-LT	MODEL 10AFE-LT	MODEL 20AFE-LT	MODEL 30AFE-LT	MODEL 40AFE-LT
INTERIOR DIMENSIONS								
INCHES W x H x D	12x10x10	13x13x13	18x15.6x12	18x21.8x14	12x8.25x10	13x11x13	18x14.2x12	18x19.8x14
(CM) W x H x D	30.5x25.4x25.4	33x33x33	45.7x39.6x30.5	45.7x55.4x35.6	30.5x21x25.4	33x28x33	45.7x36x30.5	45.7x50.3x35.6
EXTERIOR DIMENSIONS								
INCHES W x H x D	14x17.5x12.3	15x21.5x15.3	20x25.5x14.3	20x31.5x16.3	14x20.5x12.3	15x25x15.3	20x29x14.3	20x35x16.3
(CM) W x H x D	35.6x44.5x31.2	38x54.6x38.9	50.8x64.8x36.2	50.8x80x41.4	35.6x52x31.2	38x63.5x38.9	50.8x73.7x36.2	50.8x89x41.4
CAPACITY								
CUBIC FEET	0.7	1.27	2.0	3.0	0.6	1.14	1.83	2.86
(LITERS)	19.8	36	56.6	85	17	32.3	51.8	81
TEMPERATURE RANGE								
AMBIENT +15F TO F / C	210/99	210/99	210/99	210/99	225/107	225/107	225/107	225/107
SHELVES (1" CENTERS)								
MAXIMUM PER UNIT	10	13	16	22	8	11	14	20
MAXIMUM POUNDS / SHELF	35	35	35	35	35	35	35	35
ELECTRICAL*								
VOLTS/AMPS	115 / 2.6	115 / 2.6	115 / 5.2	115 / 5.2	115 / 3.65	115 / 3.65	115 / 4.8	115 / 6.8
WATTS	360	360	720	720	440	440	800	800
PLUG/NEMA	5-15P	5-15P	5-15P	5-15P	5-15P	5-15P	5-15P	5-15P
WEIGHT								
SHIPPING	42.6	57	76.2	91.5	50.4	65.7	84.2	98.5
STAND ALONE	31.4	43.5	57.2	72.5	37.2	58.7	64.2	80.8

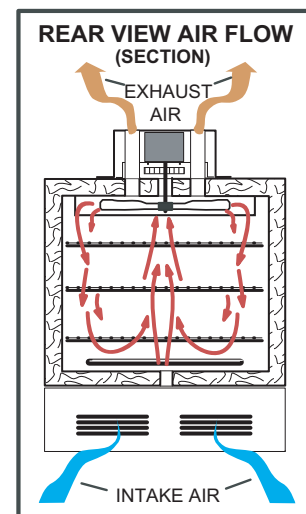
* Standard models voltage only, 230 voltage available.



'GCE-LT' MODEL AIR FLOW



'AFE-LT' MODEL AIR FLOW



**PERFORMANCE CHARACTERISTICS	MODEL 10GCE-LT	MODEL 20GCE-LT	MODEL 30GCE-LT	MODEL 40GCE-LT	MODEL 10AFE-LT	MODEL 20AFE-LT	MODEL 30AFE-LT	MODEL 40AFE-LT
CONTROL STABILITY								
@ 75° C	+/- 0.8°C	+/- 0.8°C	+/- 1.0°C	+/- 1.0°C	+/- 0.8°C	+/- 0.8°C	+/- 1.0°C	+/- 1.0°C
TIME TO TEMPERATURE								
AMBIENT TO MAX	27 Min.	30 Min.	28 Min.	34 Min.	36 Min.	40 Min.	27 Min.	40 Min.
RECOVERY @200° F								
DOOR OPEN 15 SEC.	4 Min.	5.5 Min.	5 Min.	8 Min.	3 Min.	8 Min.	4 Min.	7 Min.
DOOR OPEN 30 SEC.	8 Min.	8 Min.	8 Min.	14 Min.	4 Min.	12 Min.	6 Min.	9 Min.

** PERFORMANCE CHARACTERISTICS FOR STANDARD VOLTAGE MODELS, ALTERNATE VOLTAGE MODELS MAY VARY. ALL TESTS CONDUCTED UNDER CONTROLLED LABORATORY CONDITIONS.

