

Series 180 Incubators

from Quincy Lab



The Quincy Lab 180 series incubators pick up where the 140 series leaves off as far as temperature range, increasing the upper limit to 200°F (93°C). This series of models were also developed for laboratories that need a dependable, compact incubator for cultures, test kits, eggs and biologicals. For lab applications requiring a constant thermal environment, these units are ideal for clinical, industrial and school laboratories, for physicians' offices, and as a general purpose warming cabinet. Select from the economy of analog control or the accuracy and convenience of digital, from light-pressure thermal convection or the performance of forced uniform air. All units feature high grade aluminum interiors, cold-rolled steel exteriors powder coated in our "clean room" ivory, and a steel door. E-model features include selectable C or F unit in 0.1 display resolution and a continuous self-diagnostic function that prompts if control malfunctions or thermocouple fails. All units UL and C / UL listed for laboratory equipment.

Our medium-pressure thermal convection 180 analog models offer good utility at an affordable price. These units feature a steel door that helps shield light-sensitive products. These models can maintain temperatures up to 93°C through a precise bimetal controller that is temperature stable to $\pm 0.75^{\circ}\text{C}$.* Control panel includes illuminated power switch and heat cycle pilot light. Standard equipment includes one fixed and one adjustable chrome-plated wire shelf and an enviro-friendly spirit thermometer. Full 18 month warranty.

Our E models combine all the features of our analog models but offer ease of temperature setting and the stability of a full PID microprocessor that accurately maintains settings within $\pm 0.5^{\circ}\text{C}$ * even in varying ambient or power supply conditions. A unique 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 control features large LED's that continuously display process temperature and a setting lock mode that protects against inadvertent adjustment. Full 18 month warranty.

The AE models combine the accuracy and functions of the E model's microprocessor with the performance of forced air. These models utilize a blower and side air plenum design to deliver full horizontal air flow within the chamber. The AE's gentle cross-air flow offers improved heating capacity and exceptional temperature stability of $\pm 0.75^{\circ}\text{C}$ *. Because each shelf receives an equal measure of heated air, these units can process multiple petri dishes, flasks and beakers at the same time. AE models are ideal for large or high density loads or applications requiring faster warm-thru times. Unit comes with 3 adjustable aluminum shelves, 2 with 10AE and spill tray. 18 month warranty.



Model 10-180

Model	10-180	12-180
Exterior Dim. (cm)	13"w x 15"h x 11"d (33.0 x 38.0 x 27.9)	19"w x 21"h x 13"d (48.3 x 53.3 x 33.0)
Interior Dim. (cm)	12"w x 10"h x 10"d (30.5 x 25.4 x 25.4)	18"w x 16"h x 12"d (45.7 x 40.6 x 30.5)
Shelf Centers	1.0 inches / 2.5 cm	1.0 inches / 2.5 cm
Electrical**	115 VAC 270 Watt	115 VAC 385 Watt
Shipping Wt.	26 LBS / 11.8 KG	45 LBS / 20.5 KG
Operating Range	Ambient +3°C - 93°C	Ambient +3°C - 93°C

* Measured at 37°C under controlled ambient conditions

Model	10-180E	12-180E
Exterior Dim. (cm)	13"w x 15"h x 11"d (33.0 x 38.0 x 27.9)	19"w x 21"h x 13"d (48.3 x 53.3 x 33.0)
Interior Dim. (cm)	12"w x 10"h x 10"d (30.5 x 25.4 x 25.4)	18"w x 16"h x 12"d (45.7 x 40.6 x 30.5)
Shelf Centers	1.0 inches / 2.5 cm	1.0 inches / 2.5 cm
Electrical**	115 VAC 120 Watt	115 VAC 235 Watt
Shipping Wt.	30 LBS / 13.6 KG	45 LBS / 20.5 KG
Operating Range	Ambient +3°C - 93°C	Ambient +3°C - 93°C

Model	10-180AE	12-180AE
Exterior Dim. (cm)	13"w x 15"h x 13"d (33.0 x 38.0 x 27.3)	19"w x 21"h x 13"d (48.3 x 53.3 x 33.0)
Interior Dim. (cm)	10.5"w x 9.4"h x 12" (26.7 x 23.9 x 30.5)	16"w x 15.4"h x 12" (40.6 x 41.7 x 30.5)
Shelf Centers	1.5 inches / 3.8 cm	1.5 inches / 3.8 cm
Electrical**	115 VAC 200 Watt	115 VAC 295 Watt
Shipping Wt.	42 LBS / 19 KG	55 LBS / 25 KG
Operating Range	Ambient +8°C - 93°C	Ambient +8°C - 93°C

** 230 VAC optional

Contact your dealer or:
Quincy Lab Inc.
800-482-HEAT
Fax 773-622-2282
info@quincylab.com



Series 140 Incubators

from Quincy Lab



The versatile 140 series incubators from Quincy Lab were custom-developed for laboratories that need a dependable, compact incubator for cultures, test kits, eggs and biologicals. For lab applications requiring a constant thermal environment, these units are ideal for clinical, industrial and school laboratories, for physicians' offices, and as a general purpose warming cabinet. Select from the economy of analog control or the accuracy and convenience of digital, from light-pressure thermal convection or the performance of forced uniform air. All units feature high grade aluminum interiors, cold-rolled steel exteriors powder coated in our "clean room" ivory and a bronze acrylic see-through door. E models features include selectable C or F unit in 0.1 display resolution and a continuous self-diagnostic function that prompts if control malfunctions or thermocouple fails. All units UL and C / UL listed for laboratory equipment.



Model 12-140

Our light-pressure thermal convection 140 analog models offer good utility at an affordable price. These units feature a see-through tinted acrylic door that enables the user to see the entire work space without opening the door. This helps to maintain temperature stability and ease work flow. These models can maintain temperatures up to 62°C through a precise bimetal controller that is temperature stable to +/- 0.75°C*. Control panel includes illuminated power switch and heat cycle pilot light. Standard equipment includes one fixed and one adjustable chrome-plated wire shelf and an enviro-friendly spirit thermometer. Full 18 month warranty.

Model	10-140	12-140
Exterior Dim. (cm)	13"w x 15"h x 11"d (33.0 x 38.0 x 27.9)	19"w x 21"h x 13"d (48.3 x 53.3 x 33.0)
Interior Dim. (cm)	12"w x 10"h x 10"d (30.5 x 25.4 x 25.4)	18"w x 16"h x 12"d (45.7 x 40.6 x 30.5)
Shelf Centers	1.0 inches / 2.5 cm	1.0 inches / 2.5 cm
Electrical**	115 VAC 120 Watt	115 VAC 235 Watt
Shipping Wt.	25 LBS / 11.3 KG	40 LBS / 18.1 KG
Operating Range	Ambient +2°C - 62°C	Ambient +2°C - 62°C

* Measured at 37°C under controlled ambient conditions



Model 12-140E

Our E models combine all the features of our analog models but offer ease of temperature setting and the stability of a full PID microprocessor that accurately maintains settings within +/- 0.5°C* even in varying ambient or power supply conditions. A unique 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 control features large LED's that continuously display process temperature and a setting lock mode that protects against inadvertent adjustment. Full 18 month warranty.

Model	10-140E	12-140E
Exterior Dim. (cm)	13"w x 15"h x 11"d (33.0 x 38.0 x 27.9)	19"w x 21"h x 13"d (48.3 x 53.3 x 33.0)
Interior Dim. (cm)	12"w x 10"h x 10"d (30.5 x 25.4 x 25.4)	18"w x 16"h x 12"d (45.7 x 40.6 x 30.5)
Shelf Centers	1.0 inches / 2.5 cm	1.0 inches / 2.5 cm
Electrical**	115 VAC 120 Watt	115 VAC 235 Watt
Shipping Wt.	28 LBS / 12.7 KG	43 LBS / 19.5 KG
Operating Range	Ambient +2°C - 62°C	Ambient +2°C - 62°C



Model 12-140AE

The AE models combine the accuracy and functions of the E model's microprocessor with the performance of forced air. These models utilize a blower and side air plenum design to deliver full horizontal air flow within the chamber. The AE's gentle cross-air flow offers improved heating capacity and exceptional temperature uniformity of +/- 0.75°C*. Because each shelf receives an equal measure of heated air, these units can process multiple petri dishes, flasks and beakers at the same time. AE models are ideal for large or high density loads or applications requiring faster warm-thru times. Unit comes with 3 adjustable aluminum shelves, 2 with 10AE and spill tray. 18 month warranty.

Model	10-140AE	12-140AE
Exterior Dim. (cm)	13"w x 15"h x 13"d (33.0 x 38.0 x 27.3)	19"w x 21"h x 13"d (48.3 x 53.3 x 33.0)
Interior Dim. (cm)	10.5"w x 9.4"h x 12" (26.7 x 23.9 x 30.5)	16"w x 15.4"h x 12" (40.6 x 41.7 x 30.5)
Shelf Centers	1.5 inches / 3.8 cm	1.5 inches / 3.8 cm
Electrical**	115 VAC 200 Watt	115 VAC 295 Watt
Shipping Wt.	35 LBS / 15.9 KG	50 LBS / 20 KG
Operating Range	Ambient +8°C - 62°C	Ambient +8°C - 62°C

** 230 VAC optional



Contact your dealer or Quincy Lab Inc. 800-482-HEAT
Issue Rev D 0211

Fax 773-622-2282 info@quincylab.com



Lab Ovens

Digital Lab 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 $\pm 0.5^{\circ}\text{C}$ (1°F), even in varying ambient or power supply

conditions. 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 set temperature and 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 throughout the product chamber.

GCE and AFE Models

Quincy Lab uses only quality UL and CSA recognized components in all ovens. The 'GCE' 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' models offer forced-air circulation allowing for uniform distribution of heat throughout the chamber, which also facilitates dehydration and evaporating. The GCE and AFE series ovens have temperature ranges of: ambient $+25^{\circ}\text{F}$ minimum, to $450^{\circ}\text{F}/232^{\circ}\text{C}$ maximum, 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.

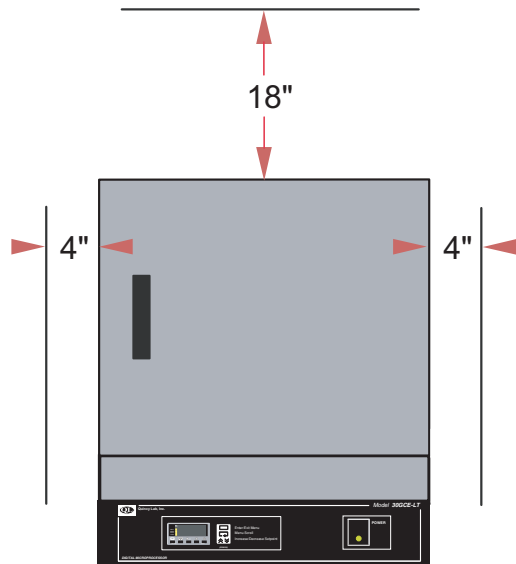


Quincy Lab, Inc. 1925 N. Leamington Av., Chicago IL 60639 Ph: 1-800-482-HEAT(4328) Fax: 773-622-2282

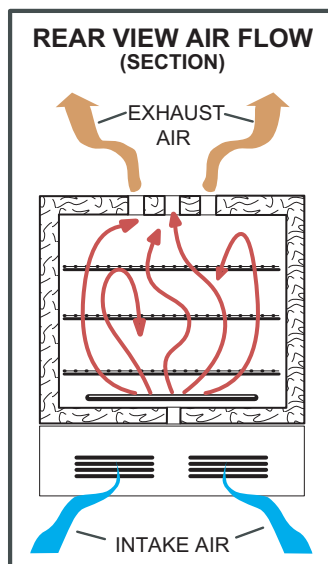
GENERAL SPECIFICATIONS	MODEL 10GCE	MODEL 20GCE	MODEL 30GCE	MODEL 40GCE	MODEL 10AFE	MODEL 20AFE	MODEL 30AFE	MODEL 40AFE
INTERIOR DIMENSIONS								
INCHES W x H x D	12x10x10	13x13x13	18x15.6x12	18x21.8x14	12x8.25x10	13x11x13	18x14.2x12	18x19.8x14
(CM) W x H x D	30.5x25.4x25.4	33x33x33	45.7x39.6x30.5	45.7x55.4x35.6	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 +25F TO F / C	450/232	450/232	450/232	450/232	450/232	450/232	450/232	450/232
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 / 5.2	115 / 6.3	115 / 10.5	115 / 12.5	115 / 6.6	115 / 8.8	115 / 12.5	115 / 12.5
WATTS	600	750	1200	1500	800	1050	1500	1500
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.

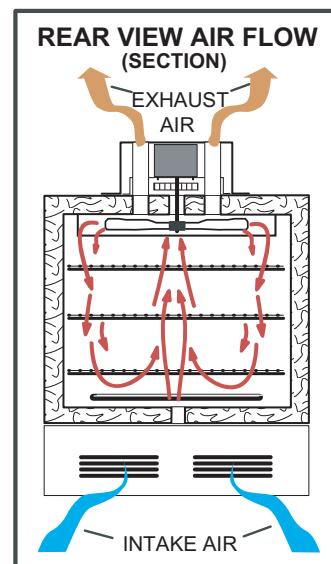
MINIMUM CLEARANCES



'GCE' MODEL AIR FLOW



'AFE' MODEL AIR FLOW



**PERFORMANCE CHARACTERISTICS	MODEL 10GCE	MODEL 20GCE	MODEL 30GCE	MODEL 40GCE	MODEL 10AFE	MODEL 20AFE	MODEL 30AFE	MODEL 40AFE
CONTROL STABILITY								
Typically +/- C/F	0.5° / 1.0°	0.5° / 1.0°	0.5° / 1.0°	0.5° / 1.0°	0.5° / 1.0°	0.5° / 1.0°	0.5° / 1.0°	0.5° / 1.0°
TIME TO TEMPERATURE								
AMBIENT TO MAX	43 Min.	52 Min.	37 Min.	42 Min.	43 Min.	44 Min.	38 Min.	48 Min.
RECOVERY @300° F								
DOOR OPEN 15 SEC.	9 Min.	11 Min.	10 Min.	10 Min.	10 Min.	10 Min.	11 Min.	13 Min.
DOOR OPEN 30 SEC.	13 Min.	14 Min.	11 Min.	14 Min.	14 Min.	11 Min.	12 Min.	14 Min.

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



Quincy Lab, Inc. 1925 N. Leamington Av., Chicago IL 60639 Ph: 1-800-482-HEAT(4328) Fax: 773-622-2282



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

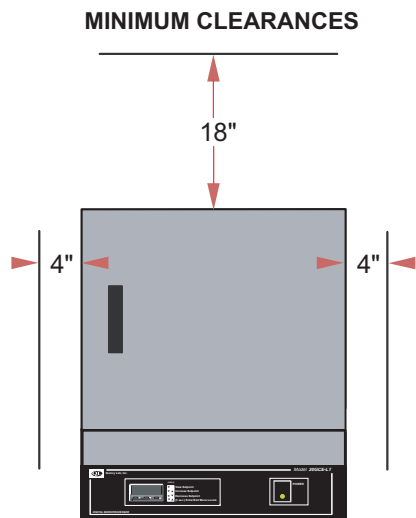
Quincy Lab uses only quality UL and CSA recognized components in all ovens. The 'GCE-LT' series gravity convection ovens are designed to meet the laboratory needs of industry, research organizations, and schools. Well-crafted and versatile, they are used for part drying, baking, curing, sterilizing, 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.
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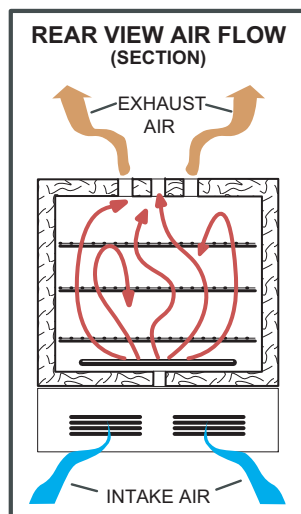


GENERAL SPECIFICATIONS	MODEL 10GCE-LT	MODEL 20GCE-LT	MODEL 30GCE-LT	MODEL 40GCE-LT	MODEL 10AFE-LT	MODEL 20AFE-LT	MODEL 30AFE-LT	MODEL 40AFE-LT
INTERIOR DIMENSIONS								
INCHES W x H x D	12x10x10	13x13x13	18x15.6x12	18x21.8x14	12x8.25x10	13x11x13	18x14.2x12	18x19.8x14
(CM) W x H x D	30.5x25.4x25.4	33x33x33	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

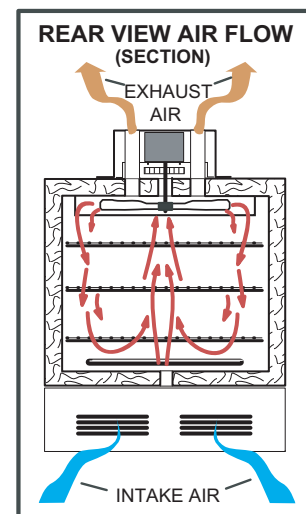
* Standard models voltage only, 230 voltage available.



'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.



Lab Ovens

from Quincy Lab, Inc.



FEATURING

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

MODEL 40AF

MODEL 30GC

MODEL 10GC

MODEL 20AF

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

Quincy Lab uses quality UL and CSA recognized components in all ovens. The control panel is equipped with an

illuminated ON/OFF rocker switch and a heat-cycle pilot light. Temperature is controlled by automatic hydraulic or a bimetal thermostat (models 10GC & 10AF). Hydraulic models offer convenient temperature dial markings in both centigrade and Fahrenheit.

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.

GC and AF Models

The 'GC' 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 'AF' series models offer a forced air circulation allowing for a more uniform distribution of heat throughout the chamber, which also facilitates evaporating. Both GC and AF series ovens have a temperature range to 450°F / 232°C, and are competitively priced and offer exceptional value and reliability.

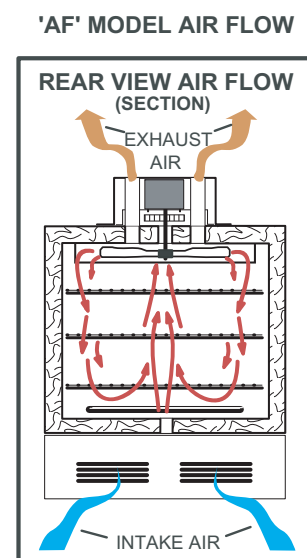
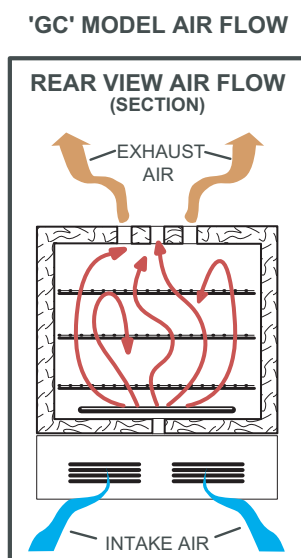
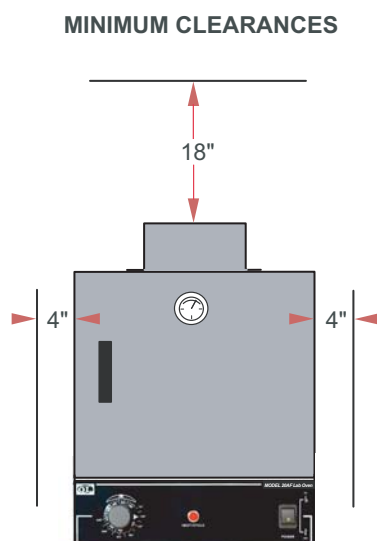
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Quincy Lab, Inc. 1925 N. Leamington Av., Chicago IL 60639 Ph: 1-800-482-HEAT(4328) Fax: 773-622-2282

GENERAL SPECIFICATIONS	MODEL 10GC	MODEL 20GC	MODEL 30GC	MODEL 40GC	MODEL 10AF	MODEL 20AF	MODEL 30AF	MODEL 40AF
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 MAXIMUM								
FAHRENHEIT	450	450	450	450	450	450	450	450
CENTIGRADE	232	232	232	232	232	232	232	232
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	115/5.2	120/6.3	115/10.5	120/12.5	120/6.6	120/8.8	120/12.5	120/12.5
WATTS	600	750	1200	1500	800	1050	1500	1500
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.



**PERFORMANCE CHARACTERISTICS	MODEL 10GC	MODEL 20GC	MODEL 30GC	MODEL 40GC	MODEL 10AF	MODEL 20AF	MODEL 30AF	MODEL 40AF
TEMPERATURE STABILITY								
@ 150°C	+/- 3.0°C	+/- 3.0°C	+/- 3.0°C	+/- 3.0°C	+/- 3.0°C	+/- 3.0°C	+/- 3.0°C	+/- 3.0°C
@ 300°F	+/- 6.0°F	+/- 6.0°F	+/- 6.0°F	+/- 6.0°F	+/- 6.0°F	+/- 6.0°F	+/- 6.0°F	+/- 6.0°F
TIME TO TEMPERATURE								
AMBIENT TO 100°C	6 Min.	6.5 Min.	6 Min.	6 Min.	7.5 Min.	9 Min.	7 Min.	9 Min.
AMBIENT TO MAX	22 Min.	25 Min.	23 Min.	28 Min.	31 Min.	37 Min.	22 Min.	39 Min.
RECOVERY @150°C								
DOOR OPEN 15 SEC.	3.5 Min.	5 Min.	4 Min.	6 Min.	2.5 Min.	7 Min.	3 Min.	6 Min.
DOOR OPEN 30 SEC.	6 Min.	6 Min.	6 Min.	9 Min.	3.5 Min.	11 Min.	5 Min.	8 Min.

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



Bench Ovens

from Quincy Lab, Inc.



FEATURING

Large Bench or Portable Capacity
All Encompassing Circular Air Flow
ER Model Programmable PID Control
80 lb Capacity shelves
Rapid Run-Up And Recovery
Proven Reliability
Full 18 Month Factory Warranty



MODEL 21-350



MODEL 31-350

7 AND 10 FT³
300°F (150°C)
450°F (235°C)
550°F (288°C)



MODEL 21-350ER

TIME TESTED

Quincy Lab bench series ovens have been the workhorse in the industry for over 35 years. Now these time tested bench ovens are even better. A redesigned chamber and air flow distribution system, improved cabinet insulation and an optional PID microprocessor temperature controller (ER MODELS) make the bench series ovens an easy choice for heating applications everywhere.

APPLICATION

Developed for the industrial lab, these rugged general purpose ovens are perfect for: preheating, thermal testing, shelf-batch processing, part

drying, curing, baking, evaporating or dehydrating various media, soils or aggregate and many other applications. All models feature large work spaces and excellent portability. They can be moved to the job, or stacked on one another to conserve floor space. Wherever thermal processing is needed, the bench series ovens bring year after year of trouble-free service and performance.

DESIGNED STANDARDS

A virtual non-contact exterior to interior cabinet design and high density industrial thermal fiber insulation greatly reduce thermal conductive transfer. That means greater energy efficiency and lower

exterior wall temperatures. Refinements in the air plenums and mixing chamber deliver an evenly heated horizontal circular flow of air for rapid heat to part transfer. A reliable quick-sensing hydraulic thermostat balances good temperature stability with recovery performance. Heavy duty chrome plated wire shelves can support 80 lbs. and can be spaced on 1.5" centers to provide up to 56 square feet of shelf surface (31-350). Cabinet exteriors are finished in our exclusive Q-Lab "high-tech" bronze polyester. Large high impact thermal-plastic door handles always remain cool to the touch. See our complete list of options and accessories.

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



Quincy Lab Inc. 1925 N. Leamington Ave. Chicago IL. Phone 1-800-482-HEAT Fax 773-622-2282

GENERAL SPECIFICATIONS	MODEL 21-250	MODEL 21-350	MODEL 31-350	MODEL 51-550
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Bench Ovens

from Quincy Lab, Inc. 

INTERIOR DIMENSIONS

INCHES W x H x D	25.5x20x24	25.5x20x24	25.5x30x24	25.5x20x22.5
(CM) W x H x D	64x50x60	64x50x60	64x76x60	64x50x57

EXTERIOR DIMENSIONS

INCHES W x H x D	33x24x35.5	33x24x35.5	33x34x35.5	33x24x35.5
(CM) W x H x D	83x60x90	83x60x90	83x86x90	83x60x90

CAPACITY

CUBIC FEET	7	7	10.6	6.60
(LITERS)	198	198	300	186

TEMPERATURE MAXIMUM

FAHRENHEIT	300	450	450	550
CENTIGRADE	150	232	232	287

SHELVES (1-1/2" CENTERS)

MAXIMUM PER UNIT	11	11	17	11
MAXIMUM POUNDS / SHELF	80	80	80	80

ELECTRICAL

VOLTS/AMPS	120/8.75	120/16	120/16	230/12.5
WATTS	1050	1920	1920	2850
PLUG/NEMA	5-15P*	5-20P*	5-20P*	6-20P

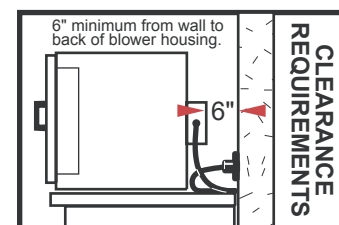
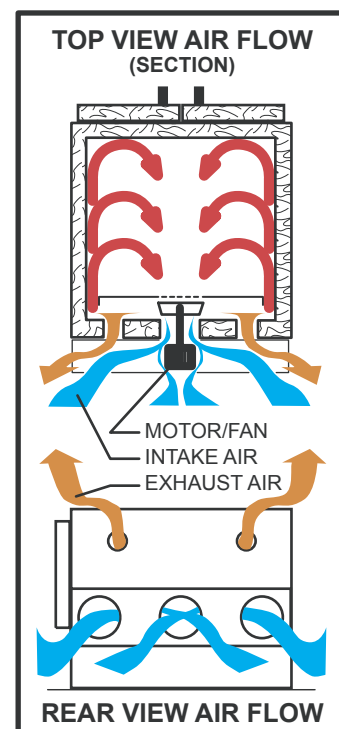
WEIGHT

SHIPPING	185	185	225	195
STAND ALONE	165	165	200	170

* 230 Volt optional on models 21 & 31



MODEL 21-350ER shown with optional window and chamber light & 10" "swing-out" circular chart recorder



PERFORMANCE CHARACTERISTICS*	MODEL 21-250/ER	MODEL 21-350/ER	MODEL 31-350/ER	MODEL 51-550/ER
CONTROL SENSITIVITY				
@ 100C	+/- 1.0 / 0.2 °C	+/- 1.5 / 0.3 °C	+/- 2.0 / 0.5 °C	+/- 1.5 / 0.5 °C
@ 200C	NA	+/- 1.5 / 0.5 °C	+/- 2.0 / 0.5 °C	+/- 3.0 / 0.5 °C
UNIFORMITY				
@ 100C	+/- 2.5 / 2.0 °C	+/- 2.5 / 2.0 °C	+/- 3.0 / 2.0 °C	+/- 3.5 / 2.5 °C
@ 200C	NA	+/- 3.5 / 4.0 °C	+/- 4.0 / 3.0 °C	+/- 5.5 / 4.5 °C
TIME TO TEMPERATURE				
AMBIENT TO 100C	15 Min. / 16 Min.	8 Min. / 9 Min.	9 Min. / 10 Min.	3 Min. / 6 Min.
AMBIENT TO MAX	36 Min. / 38 Min.	30 Min. / 32 Min.	35 Min. / 38 Min.	40 Min. / 45 Min.
RECOVERY @ 150C				
DOOR OPEN 15 SEC.	4 Min. / 5 Min.	2 Min. / 3 Min.	3 Min. / 4 Min.	1 Min. / 2 Min.
DOOR OPEN 30 SEC.	5 Min. / 6 Min.	3 Min. / 4 Min.	4 Min. / 5 Min.	2 Min. / 3 Min.
REPEATABILITY @ 150C (SET POINT DRIFT)**	+/- 2.0 / 0.5 °C	+/- 1.0 / 0.5 °C	+/- 1.5 / 0.5 °C	+/- 2.0 / 0.75 °C
AIR CHANGES MAX / HOUR @150C WITH NO LOAD	8 to 12	8 to 12	8 to 12	8 to 12
MAX CHAMBER AIR VELOCITY	7 ft/sec.	7 ft/sec.	7 ft/sec.	7 ft/sec.
ENERGY EFFICIENCY @ 150C				
% DUTY CYCLE	80%	45%	55%	30%
RUN COST / HOUR @ \$0.22/KWH	\$0.18	\$0.20	\$0.20	\$0.19

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

** REPEATABILITY OR SET POINT DRIFT MEASURED FOR 24 HRS. WITH CONTROLLED LAB AMBIENT TEMPERATURES NOT VARYING MORE THAN 2 DEGREES C & SUPPLY VOLTAGE BY NOT MORE THAN 2%.



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