

Yamato® Programmable Mechanical Convection Ovens

Accurately heat your samples

- Oven calibration functions are ideal for validation work
- Self-diagnostic function alerts you to sensor or heater malfunctions
- Easily read “set” and actual temperature on LED display

These ovens feature excellent uniformity, autotune, calibration offset, and zero-span calibration. Self-diagnostic functions alert you both visually and audibly if sensor or heater malfunctions; heater circuit automatically turns off. Input up to 15-segment/30-step programs including automatic start, automatic stop, and ramp-and-soak modes through the keypad.

What's included: two stainless steel shelves (33959-07 includes four stainless steel shelves) and a 6-ft (1.8-m) power cord with US standard plug on 110 VAC models (no plug on 220 VAC model).



Specifications

Temperature uniformity: ±2.5°C at 210°C
Resolution: 1°C
Temperature display: 4-digit LED
Timer: 1 minute to 99 hours, 59 minutes

Capacity cu ft (L)	Temperature range	Rise time (minutes)	Shelf positions	Dimensions (W x H x D), in. (cm)		Power (VAC, Hz)	Shpg wt lb (kg)	Catalog number	Price
				Chamber	Overall				
3.2 (90.6)	Ambient +10°C to 260°C	90	9	17¾ x 17¾ x 17¾ (45 x 45 x 45)	22 x 32½ x 23½ (56 x 82 x 60)	110, 50/60	99 (45)	GH-33959-05	
5.3 (150.1)			12	23½ x 20 x 20 (60 x 51 x 51)	27½ x 35 x 21¼ (70 x 89 x 54)	110, 50/60	143 (65)	GH-33959-06	
10.7 (303)	Ambient +10°C to 210°C	60	29	23½ x 39½ x 20 (60 x 100 x 51)	28 x 64 x 25½ (71 x 162 x 65)	220, 50/60	275 (125)	GH-33959-07	

[GH-17002-30](#) NIST-traceable calibration with data for ovens

High-Temperature Industrial Mechanical Convection Ovens

Heat your samples up to 538°C

- Corrosion and oxidation resistant with Incoloy® sheathed heating elements and stainless steel interior

Oven construction accommodates high-temperature use. High-density rock wool insulation effectively retains heat for improved temperature uniformity.

Drawer Oven contains eight separate stainless steel drawers for easy individual inspection of oven contents—reduces heat loss and lowers operating costs associated with conventional oven doors.

Bench Ovens feature double doors for greater access to chamber—ideal when loading larger items. Overtemperature protection turns oven off if temperature exceeds maximum temperature.

What's included: a 6-ft (1.8-m) power cord (115 VAC models have a plug; 230 VAC models do not have a plug). Bench ovens also include two adjustable wire shelves. Order optional stand separately below table.



Specifications

Temperature control accuracy: ±5.5°C
Temperature display: analog

Capacity cu ft (L)	Temperature range	Temperature uniformity	Rise time (minutes)	Shelf positions	Dimensions (W x H x D), in. (cm)		Power (VAC, Hz)	Shpg wt lb (kg)	Catalog number	Price
					Chamber	Overall				
Drawer oven										
4.8 (135.9)	Ambient to 176°C	±13.9°C at 149°C	20 to 166°C	—	11¾ x 2 x 25 (30 x 5 x 63) per drawer	41 x 23 x 30 (104 x 59 x 76)	115, 60 230, 60	285 (129)	GH-52302-10 GH-52302-15	
Bench ovens										
4.3 (121.8)	Ambient to 427°C	±8.3°C at 400°C	55 to 400°C	6	26 x 13 x 22 (66 x 33 x 56)	39½ x 30 x 34 (100 x 76 x 86)	115, 60	310 (130)	GH-52300-12	
4.3 (121.8)	Ambient to 538°C	±11.1°C at 510°C	65 to 510°C	6	26 x 13 x 22 (66 x 33 x 56)	41½ x 31 x 35 (105 x 79 x 89)	115, 60 230, 60	335 (152)	GH-52300-18 GH-52300-22	
7 (198.2)	Ambient to 176°C	±5.5°C at 149°C	17 to 166°C	7	28 x 18 x 24 (71 x 46 x 61)	41 x 23 x 30 (104 x 59 x 76)	115, 60 230, 60	270 (122)	GH-52302-00 GH-52302-05	

[GH-52300-50](#) Optional metal stand for bench ovens, raises ovens to 31" (78.7 cm) working height

[GH-17002-30](#) NIST-traceable calibration with data for ovens