

Forced Convection Oven

General type

Superb air dispersion and uniform temperature distribution.

Structural Functional Features

- Temperature range from ambient +10°C to 250°C.
- Microprocessor PID control / Temperature calibration / Automatic tuning.
- Forced air convection ensures optimal air circulation, temperature uniformity, and short heat-up time.
- Fan speed control by an analog dial prevents powdered samples from blowing away. (option)
- Adjustable dual slide vents for inner vapor circulation.

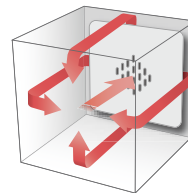
Use Convenience Features

- Intuitive control panel with bright LED displays. (0.1°C resolution)
- Dual wait on/off timer modes. (1 min. to 99 hr. 59 min.)
- Convenient presetting function for 3 most commonly used temperature settings.
- Rounded inner chamber corners for easy cleaning and optimal airflow.
- Corrosion-resistant incoloy sheath heating element and stainless steel interior.
- Threefold tempered-glass window provides clear inside view of the chambers. (only OF-GW models)
- RS-232 interface for external control and data collection.
- Monitor via mobile app anytime, anywhere with LC Connected. (mobile monitoring system) (when purchased LC GreenBox)



OF-22GW

with Wire Shelves 2ea (standard)



Effective heat transfer through airflow



Stainless steel Chamber

- Grade 304 stainless steel chamber interior and dirt-repellent external surface with power coating.
- Adjustable and electropolished stainless steel wire shelves allowing efficient airflow and easy cleaning.



Glass Window

- Threefold tempered-glass window providing clear inside view of the chambers. (only OF-GW models)
- Door opens 180 degrees and features a double latch handle.



Air-tight Door Gasket

- Air-tight door gasket minimizing heat loss.



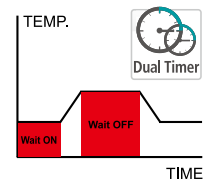
Outstanding Safety

- Top-rated overheating protection system. (registration 10-0397583)
- Over temperature limit function.
- Safe product surface, even when operated at maximum temperature.
- Triple-toughened viewing window for safe and convenient observation even at high temperatures. (only OF-GW models)
- Malfunction prevented by controller lock function.
- Self-diagnostics function to check abnormal condition of temperature sensor.



Safety

- Protection against overheating by automatic power cutoff from the heater and controller in sequence.
- Two separate fuses for protecting against overcurrent.
- Open door alert.



Dual Wait ON/OFF Timer

- Dual wait on/off timer modes from 1 min to 99 hr 59 min.

Specification

Model	Solid Door (without window)	OF-02G	OF-12G	OF-22G
	Window door	OF-02GW	OF-12GW	OF-22GW
Chamber volume (L / cu ft)		50 / 1.8	100 / 3.5	153 / 5.4
Temperature	Range (°C / °F)	Amb. +10 to 250 / Amb. +18 to 482	Amb. +10 to 250 / Amb. +18 to 482	Amb. +10 to 250 / Amb. +18 to 482
	Fluctuation at 100°C (±°C / °F)	0.5 / 0.9	0.6 / 1.08	0.8 / 1.44
	Variation at 100°C (±°C / °F)	1 / 1.8	1.3 / 2.3	1.7 / 3.1
	Heating time to 100°C (min.)	12	15	16
Dimension	Recovery time at 100°C (min.)	6	6	6
	Interior (W x D x H, mm / inch)	400 x 360 x 420 / 15.7 x 14.2 x 16.5	480 x 410 x 520 / 18.9 x 16.1 x 20.5	550 x 460 x 600 / 22 x 18 x 23.6
	Exterior (W x D x H, mm / inch)	577 x 642 x 760 / 22.7 x 25.3 x 30	657 x 692 x 870 / 25.9 x 27.2 x 34.3	727 x 742 x 974 / 28.7 x 29.2 x 38.3
Shelves	Net weight (Kg / lbs)	53 / 117	63 / 139	72.5 / 160
	Quantity of shelves (standard/max.)	2 / 4	2 / 6	2 / 7
Electrical requirements (230V, 50 / 60Hz, A)	Max. Load per shelf (Kg / lbs)	30 / 66	30 / 66	30 / 66
		4.4	6.1	7.4
Cat. No.	Solid Door (without window)	AAH12155K	AAH12165K	AAH12175K
	Window door	AAH12255K	AAH12265K	AAH12275K
Electrical requirements (120V, 60Hz, A)		6.8	8.4	10.1
Cat. No.	Solid Door (without window)	AAH12156U	AAH12166U	AAH12176U
	Window door	AAH12256U	AAH12266U	AAH12276U

1) Technical data according to DIN 12880. (before 2013)

※ The lowest temperature that can be controlled depends on changes in room temperature and sample temperature. Therefore, please contact the distributor of our products before purchasing for technical consultation.