# Forced Convection Oven
## Program type

## Convenient program control function

### ◢ Structural Functional Features

- Wide temperature range that can be controlled up to 250°C.
- Intuitive operation with color touch display.
- Airflow optimized for uniform heat transfer.
- Superior insulation and enclosed design minimize energy loss and reduce operating costs.
- Easy to open and close the door. Soft handle minimizes shock to the sample.
- Stainless steel interior and shelves are excellent in terms of corrosion resistance and clean maintenance.
- Easy to clean as inner edges are curved.
- Two vent holes for gas discharge at the top.
- Safe temperature of the surface even when operating at maximum temperature.
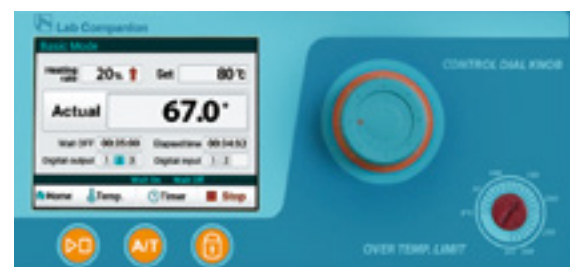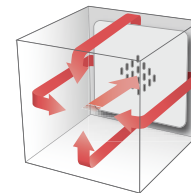
### ◢ Use Convenience Features

- 3-point temperature calibration, high temperature accuracy over a wide temperature range.
- Precise temperature control with temperature auto-tuning.
- Easy to adjust air circulation speed.
- Wait On/Off timer. (up to 99 hours 59 minutes)
- Microprocessor PID method for precise temperature control.
- Displays all major operation information on the main screen.
- Operation and data management with computer connection.
- Monitor via mobile app anytime, anywhere with LC Connected. (mobile monitoring system) (when purchased LC GreenBox)
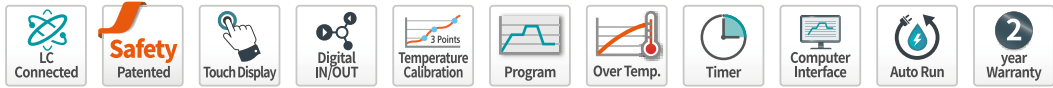- Automatic restart of operation when power is restored after sudden power failure.

### ◢ Outstanding Safety

- Top-rated overheating protection system. (registration 10-0397583)
- Over temperature limit function.
- Safety circuit design to protect against overcurrent and overheating.
- Safe surface temperature even when operating at high temperature.
- Triple-toughened viewing window for safe and convenient observation even at high temperatures. (OF-PW)
- Malfunction prevented by controller lock function.
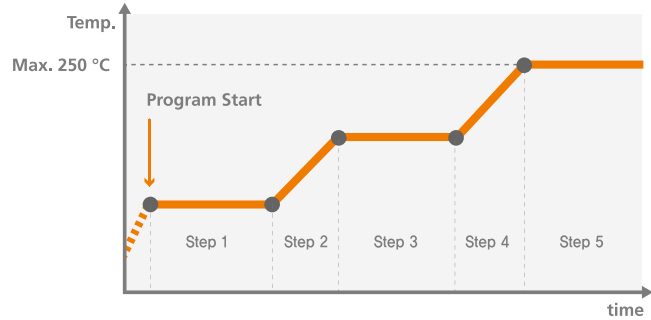- Self-diagnostics function to check abnormal condition of temperature sensor.

**OF-12PW**
with Wire Shelves 2ea (standard)

JEIO TECH

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| LC Connected | Safety Patented | Touch Display | Digital IN/OUT | 3 Points Temperature Calibration | Program | Over Temp. | Timer | Computer Interface | Auto Run | 2 year Warranty |

## Program Type

- Possible to set and save 10 programs.
- Up to 10 steps can be set per program.
- Set time up to 99 hours and 59 minutes per step.
- Includes useful scheduler management functions such as program operation range and repeat interval setting.
- Program repetition possible up to 99 times.
- Possible to set temperature rise time. (maximum 4.7°C/min)
- Digital Input / Output function makes it easy to connect external equipment.



## Specification

| Model | Solid Door (without window) | OF-02P | OF-12P | OF-22P |
|---|---|---|---|---|
| | Window door | OF-02PW | OF-12PW | OF-22PW |
| Chamber volume (L / cu ft) | | 60 / 2.1 | 102 / 3.6 | 151 / 5.3 |
| Temperature | Range (℃ / ℉) | 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 (±℃ / ℉) | 0.5 / 0.9 | 0.6 / 1.08 | 0.8 / 1.44 |
| | Variation at 100°C (±℃ / ℉) | 1.0 / 1.8 | 1.3 / 2.3 | 1.7 / 3.1 |
| | Heating time to 100°C (min.) | 9 | 9 | 6 |
| | Recovery time at 100°C (min.) | 2 | 1 | 1 |
| Dimension | 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 |
| | Net weight (Kg / lbs) | 53 / 117 | 63 / 139 | 72.5 / 160 |
| Shelves | Quantity of shelves (standard/max.) | 2 / 4 | 2 / 6 | 2 / 7 |
| | Max. Load per shelf (Kg / lbs) | 30 / 66 | 30 / 66 | 30 / 66 |
| Electrical requirements (230V, 50 / 60Hz, A) | | 4.2 | 5.9 | 7.1 |
| Cat. No. | Solid door (without window) | AAH12555K | AAH12565K | AAH12575K |
| | Window door | AAH12655K | AAH12665K | AAH12675K |
| Electrical requirements (120V, 60Hz, A) | | 6.8 | 8.4 | 10.1 |
| Cat. No. | Solid Door (without window) | AAH12553U | AAH12563U | AAH12573U |
| | Window door | AAH12653U | AAH12663U | AAH12673U |

※ 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.
※ Technical data (according to DIN 12880, before 2013)

## Accessories  Page 77   Wire Shelves, Perforated Shelves, Recorder, LC GreenBox